

2025 ANNUAL WATER QUALITY REPORT

**FOR THE
NEWTON SANITARY LANDFILL
50-SDP-01-75P
NEWTON, IOWA**

**by:
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Certification

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Section 1.0 Background Information

1.1 Report Format

Table 1 through Table 14 are attached to this report and satisfy the IDNR requirement to provide the tables to meet the IDNR format requirements.

1.2 Report Priority

IDNR review of this document is considered to be a low priority. This report concludes that semi-annual detection and assessment monitoring should continue in accordance with the approved HMSF and in accordance with rule.

1.3 Period of Report Coverage

Water quality data evaluation is based on a running compilation of all available data. Statistical evaluations herein are based on the most recent water quality data collected September 3, 2025.

The Annual Water Quality Report for the 1945 Closed Landfill is forwarded separately in November of each year in accordance with previous rules.

1.4 Current Site Maps

Figure 1 is attached illustrating the entirety of the property encompassed by the site. Figure 2 is attached illustrating the details of the current waste areas, site features, monitoring well locations, and subsurface gas probe locations.

1.5 Site Status and Applicable Rules

Site Location

The Newton Sanitary Landfill is located in Section 9, T79N, R19W, Jasper County, Iowa. The site encompasses approximately 319 acres. The facility is situated on Highway 14 approximately 1 mile south of the corporate limits of Newton, Iowa. The facility operates under the Iowa Department of Natural Resources (IDNR) Permit Number 50-SDP-01-75P.

Landfill Layout

The site is situated in the uplands above the Skunk River valley to the south. The facility includes two (2) closed landfills (the 1945 Landfill and Area A) and the RCRA Subtitle D Expansion Areas designated Area B, Area C, Area D, and Area E (Figure 1 & Figure 2). Areas B, C, and D are actively receiving waste from the planning area.

Applicable Rules

Iowa Administrative Code (IAC) 567-113 is applicable to the site. Area A is a closed landfill regulated under (IAC) 567-113 in accordance with the approved variance.

1.6 Summary of Hydrologic Monitoring System Plan (HMSP)

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

The HMSP includes MW-39, MW-48, MW-78, and SW-101(2016-2019 data) as background monitoring points. There are six (6) downgradient monitoring wells in Area A designated MW-41, MW-42, MW-58, MW-59, MW-60, and MW-61. There are four (4) downgradient monitoring points in Area B, C, and D designated MW-36, MW-62R, MW-79, and MW-80. MW-36 also serves as a downgradient monitoring point to the leachate holding lagoon on the site.

Groundwater underdrain head monitoring points GPZ-301 and GPZ-302 are the respective water level measurement points for Cell D-1 and D-2. Special Provision X.4.j of the Permit dated December 20, 2023 (Doc #108517) requires semi-annual water elevation measurement of these points. This information is included in the Monitoring Well Maintenance Reevaluation Plan, below, and in the LCSPE in Section 4.0.

The Site Plan and the approved monitoring network is illustrated on Figure 1 and Figure 2. The Water Table Contour Map is included as Figure 3.

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.

A complete Monitoring Well Maintenance Performance Reevaluation was submitted to IDNR on May 25, 2011. The 2011 Report concluded that the integrity of all monitoring wells was intact, and that no changes in the HMSP were recommended.

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 3, 2025 is included with this report and illustrates the water table surface.

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

Review of the map confirms control of the water table surface in Area A, Area B, Area C, and Area D.

Well Depth & Sedimentation

Well depth measurements were made on September 3, 2025. Review of the well depth data (Table 4 and included on the field sampling forms in Appendix A) indicate that well

sedimentation is estimated to be less than one (1) foot at all site monitoring wells, except MW-80, where 1.5 ft of sedimentation is recorded.

Well Recharge Rates & Chemistry

Monitoring well recharge reevaluation is due biennially according to 113.10(2)f. Biennial reevaluation of recharge for Areas A, B, C, and D was performed March 4, 2024 according to 113.10(2)f. Each well was purged of 2 well volumes following the sampling. Water elevations were collected in the well prior to purging and immediately upon completion of well purging. Water elevations were again recorded in each well approximately 4 to 6 hours following purging.

The 2024 well recovery data indicated that all wells appear to recover to 90% or greater in 4 to 8 hours. The exceptions are MW-39, MW-58, MW-59, and MW-79 which demonstrate recovery rates that require more than 8 hours for full recovery. The well recovery at each well is determined to be sufficient for collection of representative water samples. No changes to the HMSF are recommended based on review of well recharge. Monitoring well recharge reevaluation is due biennially according to 113.10(2)"f", and should be evaluated again in the Spring of 2026.

Cell D-1 & D-2 Underdrain Monitoring Results

Groundwater underdrain monitoring points GPZ-301 and GPZ-302 are the respective water level measurement points for Cell D-1 and D-2. Special Provision X.4.j. of the Permit, dated December 20, 2023 (Doc #108517) requires semi-annual measurement of these points to demonstrate that 5.0 feet of separation is maintained between the base of waste and the water table. The 2024 data indicates that more than 5.0 feet of separation is documented. Information recorded for 2025 is summarized:

Point	TOC Elevation MSL	Depth to Water or Dry (ft)	Water Table or Dry Elevation MSL	Liner Elevation MSL	Separation (ft)
3/12/25					
GPZ-301	863.59	12.40	851.19	859.0	7.81
GPZ-302	858.59	9.00	849.59	857.0	7.41
6/2/25					
GPZ-301	863.59	12.13	851.46	859.0	7.54
GPZ-302	858.59	9.00	849.59	857.0	7.41
9/3/25					
GPZ-301	863.59	12.25	851.34	859.0	7.66
GPZ-302	858.59	9.53	849.06	857.0	7.94
12/2/25					
GPZ-301	863.59	12.35	851.24	859.0	7.76
GPZ-302	858.59	9.83	848.76	857.0	8.24

Based on the apparent static condition of the water table across Area A, Area B, Area C, and Area D, it appears that the semi-annual water elevation data is sufficient to adequately monitor the hydrologic condition of the site. Further, the wells are interpreted to be appropriately located to detect any impact, should it occur.

Section 2.0 Reporting Period Monitoring Activities

A summary of the planned 2025 sample collection events at each well is included on Table 2. A comprehensive summary of all sampling episodes to date are included in the Table 2A.

Field sampling information for the March 12, 2025; September 3, 2025; and December 2, 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 September 24, 2014 and September 3, 2025 is included on Table 9.

2.1 Current Detection Monitoring Activities

Background points are MW-39, MW-48, MW-78, SW-101 (2016-2019 data).

MW-36 (downgradient lagoon), MW-62R, MW-79, and MW-80 are downgradient monitoring wells for the Area B, C, & D Expansion Areas.

MW-41, MW-42, MW-58, MW-59, MW-60, and MW-61 are designated as downgradient monitoring wells for the Area A Closed Landfill (approved in Petition for Waiver from Administrative Rules).

The wells that remain in detection monitoring system are MW-36 and MW-79.

2.2 Current Assessment Monitoring Activities

Assessment monitoring points include MW-41, MW-42, MW-58, MW-59, MW-60, MW-61, MW-62R, and MW-80.

2.3 Current Corrective Actions

GWD-1 was connected to the leachate collection system on August 15, 2013 in satisfaction of IAC 567-113(10)2(3).

A remedial groundwater collection system is complete along the west and northwest side of Area A and is currently in operation.

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

The Analytical Reports for the laboratory testing performed for March 12, 2025; September 3, 2025; and December 2, 2025, sampling episodes are included in Appendix C.

Field turbidity testing results are summarized in Appendix D.

QUALITY ASSURANCE/QUALITY CONTROL

A blind duplicate sample was collected at MW-36 during the March 12, 2025 sampling episode. A blind duplicate was collected at MW-59 during the September 3, 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 (both the March 12, 2025, and September 3, 2025) were within the limits established and indicate that the data quality is acceptable without restriction.

BACKGROUND DATA VALIDATION

On July 10, 2014, an unnumbered Permit Amendment and Memo was issued by the IDNR regarding turbidity (Doc # 80731). A TSS and Field Turbidity Report was prepared and submitted on March 23, 2015, and was approved by IDNR on November 24, 2015 (Doc #84736). The November 24, 2015 IDNR approval letter also includes a requirement to evaluate and sort data within the background data pool and retain only data that is validated as appropriate.

The background data has been validated by exclusively utilizing “No-Purge” data (September 24, 2014 to present). The background data is summarized in Table 1, Attachment B to the Groundwater Statistics Report for the Newton Sanitary Landfill, Second Semi-Annual Monitoring Event in 2025, dated September 2025 (included in Appendix B.2). Outliers in the background data in the referenced Table 1 are tagged with an asterisk and are excluded from use in calculating the Prediction Limits. The calculated Prediction Limits are summarized on Table 5.

SITE SPECIFIC GWPS

Review of the inorganic Prediction Limits in Table 5, Attachment B to the Groundwater Statistics Report for the Newton Sanitary Landfill, Second Semi-Annual Monitoring Event in 2025, dated September 2025 (included in Appendix D.2) indicates that the prediction limit for cobalt (currently 6.9 ug/L) calculated from the background data exceeds the published IAC 567, Chapter 137 Statewide Standard (2.1 ug/L). 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 limit for Cobalt (6.9 ug/L) is utilized as the Site-Specific GWPS in accordance with 113.10(6)h(2).

STATISTICALLY SIGNIFICANT INCREASES (SSI)

The detected concentrations of each compound are compared to the 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 in a Detection Monitoring Well is recorded as a Statistically Significant Increase (SSI). Since the Prediction limit for VOC is set at the laboratory Method Reporting Level, any VOC detection is recorded as an SSI.

Table 6 and Table 7 are summary Tables (by well) of all compounds at site monitoring wells that have exceeded a prediction limit.

Table 6 is a summary of all compounds at site monitoring wells that have exceeded a *current* prediction limit in 2025.

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 Assessment Monitoring, or Corrective Action Monitoring is not an SSI, instead the exceedance is further evaluated by Confidence Interval Statistics.

The current year review of Prediction Limit Exceedances at Assessment Monitoring Wells is presented in Table 1 and Table 6.

A running summary of recorded Prediction Limit exceedances by year is included in Appendix E.

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

ASSESSMENT MONITORING SUMMARY

There are eight (8) wells that are currently in assessment monitoring at the Newton Landfill facility (MW-41, MW-42, MW-58, MW-59, MW-60, MW-61, MW-62R, and MW-80).

At MW-60, MW-61, and MW-80, there have been no Appendix II detections of compounds beyond those included on the Appendix I list. At MW-41, MW-58, MW-59, and MW-62R, bis(2-ethylhexyl) phthalate is the single Appendix II compound detected beyond compounds that are included on the Appendix I list. At MW-42 bis(2-ethylhexyl) phthalate and 2,4,5-T are the Appendix II compounds detected (once each) beyond those compounds that are included on the Appendix I list. A summary of the Bis(2-ethylhexyl) phthalate and 2,4,5-T testing results are 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, detections of bis (2-ethylhexyl) phthalate and 2,4,5-T occur as isolated events.

The July 19, 2017 IDNR Letter (Doc #89979) allowed the frequency of bis (2-ethylhexyl) phthalate sampling to be reduced to once per five (5) years to coincide with the full Appendix II sampling performed on the five (5) year frequency. Semi-Annual sampling of 2,4,5-T was performed at MW-42 in 2019 and was discontinued after the compound was not verified in 2019. The scheduled full Appendix II sampling events are summarized in Table 2.

The HMSP and the existing HMSP monitoring points are interpreted as effective for on-going detection and assessment system monitoring at the facility.

STATISTICALLY SIGNIFICANT LEVELS (SSL)

The detections that exceed the current site prediction limits (see summary in Tables 1 & 7) are utilized to calculate the 95% lower confidence limits (LCL) 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. If SSL are detected, they are highlighted in yellow in Table 7.

There are no Statistically Significant Levels (SSL) recorded for either inorganic compounds or organic compounds in the Spring, 2025 or the Fall, 2025 sampling events (Table 7). The Confidence Intervals (95% LCL and 95% UCL) for inorganic compounds are also summarized in Table 1 of Attachment C of the Otter Creek Reports (Appendix B.1 and Appendix B.2). The Confidence Intervals (95% LCL and 95% UCL) for VOC are summarized in Table 2 of Attachment E of the Otter Creek Reports (Appendix B.1 and B.2).

There are no SSL recorded for any data collected since September, 2014 (Table 7).

ASSESSMENT OF CORRECTIVE MEASURES (ACM)

Area A

A remedial groundwater collection system is completed along the west and northwest side of Area A and is currently in operation (see Doc # 44263 through 44267). Note that the west half of Area A is, at times, referred to as the 1975 Landfill. A Site Remedial Action and Mitigation

Plan (SRAMP) was completed to control seeps along the west side of Area A (the 1975 Landfill). This system was incorporated in the Permit by Amendment #3 dated August 4, 2010. The interpretation is made that the SRAMP collection line is actively intercepting impacted groundwater.

MW-58 and MW-59 are located downgradient of the remedial groundwater collection system and demonstrate that the system is effective in maintaining water quality (Table 1 and Table 7).

The SSI reported at MW-58 are limited to cis-1,2-dichloroethylene and nickel. Assessment monitoring at MW-58 in 2025 indicates that the detected cis-1,2-dichloroethylene concentrations (<1.0 ug/L on March 12, 2025 and September 3, 2025) are well below the GWPS of 70.0 ug/L. Assessment monitoring at MW-58 in 2025 indicates that the detected nickel concentrations (14.27 ug/L on March 12, 2025 and 13.1 ug/L on September 3, 2025) are well below the GWPS of 100 ug/L.

The SSI reported at MW-59 are limited to copper. Assessment monitoring at MW-59 in 2025 indicates that the detected copper concentrations (6.7 ug/L on March 12, 2025 and <5.0 ug/L on September 3, 2025) are well below the GWPS of 1,300 ug/L.

Evaluation of the Confidence Intervals for both metals and VOC indicate that the 95% UCL are below the applicable GWPS. The fact that all 95% UCL values at MW-58 and MW-59 are below the applicable GWPS indicates that the Corrective Action is successful.

Areas B, C, and D

GWD-1 was connected to the leachate collection system on August 15, 2013 in satisfaction of IAC 567-113(10)2(3). Additional remedial actions are not warranted in Area B, C, or D. A Site Remedial Action Plan (SRAMP) or an Assessment of Corrective Measures (ACM) Report for Areas B, C, and D is not warranted.

Section 4.0 Leachate Collection System Performance Evaluation

Between January 1, 2025 and December 31, 2025, approximately 3,375,000 gallons of leachate were discharged to the Newton Water Pollution Control Plant (WPCP) (Appendix G.1). Chemical analysis of the waste stream – weekly (results on the Monthly Operation Reports in Appendix G.1) and annual (Appendix G.2) is conducted in accordance with the pretreatment agreement between the City of Newton WPCP and the City of Newton – Sanitary Landfill (Appendix G.3).

Leachate Line Cleaning

The leachate collection lines are required to be cleaned every three (3) years in accordance with IAC 113.7(5)b(5). LCP lines are cleaned by Landfill personnel using equipment from the Newton Water Pollution Control Plant. Based on information provided by landfill personnel, the most recent line cleanings are listed below:

Area B1	Line #1	– Cleaned 2024
	Line #2	– Cleaned 2024

2025 AWQR

Area B2	Line #3	– Cleaned 2024
	Line #4	– Cleaned 2024
Area C1	Line #5	– Cleaned 2024
Area C2	Line #6	– Cleaned 2024
Area C3	Line #7	– Cleaned 2024
Area C1/C2/C3	Line #8	– Cleaned 2025
Cell D-1	Line #9	– Cleaned 2025
Cell D-2	Line #10	– Cleaned 2025

Accumulated sediment was also removed from leachate collection system manholes in 2025, from the leachate storage lagoon in 2024, and from the leachate pump stations in 2025 and will continue to be removed on a regular basis.

Additional improvements were made to the leachate collection system at the site in 2025. Improvements made were:

- Replaced two valves in the Control Manhole
- Replaced two pumps in Pump Station #2
- Replaced the valve from the leachate storage lagoon in Pump Station #2

Areas B, C, and D LCP

The Leachate Collection System Construction Certification Report for Expansion Area B-1 was submitted December 13, 1995, while the Leachate Collection System Construction Certification Report for Expansion Area B-2 was submitted August 15, 1997. The Leachate Collection System also extends to Area C-1 (approved October 5, 1999), Area C-2 (approved March 15, 2002), Area C-3 (Approved November 8, 2004), and Cell D-1 and Cell D-2 (both approved October 2, 2013).

A leachate head monitoring point was constructed at the downgradient end of Area B & Area C (LPZ-101) and is currently located at the leachate manhole. The leachate head monitoring point LPZ-101 was measured monthly in 2025. All readings collected in 2025 indicate that LPZ-101 was measured dry.

Leachate head monitoring points were constructed during the Cell D-1 and D-2 Expansion in 2013. LPZ-102 measures leachate head on the liner and LPZ-103 measures leachate head in the leachate collection pipe trench in Cell D-1. LPZ-104 measures leachate head on the liner and LPZ-105 measures leachate head in the leachate collection pipe trench in Cell D-2.

Solid waste deposition in Cell D-1 started in October 2013. Solid waste deposition in Cell D-2 started in July 2014. LPZ-102 (Cell D-1) and LPZ-104 (Cell D-2) were measured monthly in 2025. Note that LPZ-103 and LPZ-105 were measured quarterly to coincide with quarterly explosive gas

monitoring. Readings are included in Table 12A. All readings from LPZ-102, LPZ-103, LPZ-104, and LPZ-105 were recorded at less than 1' in 2025.

Groundwater Separation from the MSWLF Base

Special Provision X.4.j. of the Permit, dated December 20, 2023 (Doc #108517) requires semi-annual monitoring of liquid levels in the Groundwater Diversion Layer Monitoring Points in Cell D-1 and Cell D-2 to document 5 ft of separation between the MSWLF base and the water table. The required documentation is provided in the "Monitoring Well Maintenance Performance Reevaluation" contained in Section 1.0 of this AWQR.

Area A LCP

A Human Health Risk Assessment was completed for the Newton Sanitary Landfill on June 29, 1995. Based on the low risk designation, Newton applied for an exemption to additional leachate collection system requirements in Area A. This exemption was approved March 29, 1996.

In 2009, a remedial groundwater collection system was completed along the west and northwest side Area A – 1975 SLF and is currently in operation. This Site Remedial Action and Mitigation Plan (SRAMP) was completed to control seeps along the west side of Area A – 1975 SLF. This system was incorporated in the Permit by Amendment #3 dated August 4, 2010.

Leachate head monitoring wells LHMW-201 through LHMW-208 are located in Area A. Leachate depth measurements were measured quarterly in 2025. The leachate measurement data (Table 12B) indicates that the 2025 leachate thickness in Area A ranges from 1.58 ft (LHMW-201 on December 2, 2025) to 20.09 ft (LHMW-208 on June 2, 2025).

The saturated thickness of waste recorded in Area A is not considered problematic.

Section 5.0 Gas Monitoring

Explosive gas monitoring per 113.9(2) and the approved GMSP was conducted quarterly during the last reporting period (2025).

Monitoring points include the ten (10) subsurface gas probes, select monitoring wells, and the structures on site. Figure 1 illustrates the locations of gas probes GP-1 through GP-10.

Explosive gas concentrations (%LEL) were undetected *or* were below action levels during the monitoring episodes. A summary table of gas monitoring is included as Table 13.

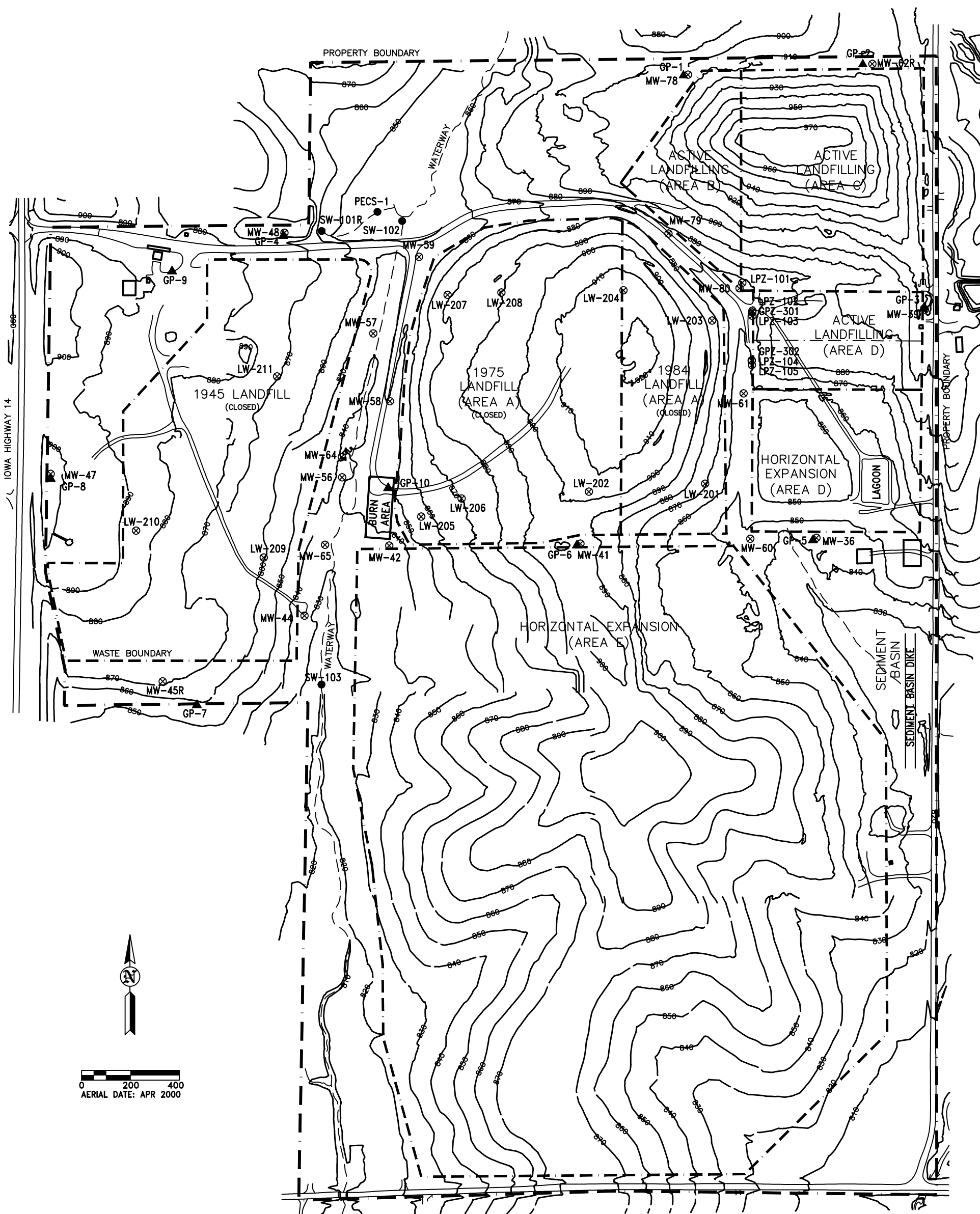
Section 6.0 Recommendations

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

It is recommended that the prediction limits for cobalt (6.9 ug/L) be utilized as the Site-Specific GWPS. For all other compounds, it is recommended that the published IAC 567, Chapter 137 Statewide Standard be utilized as the GWPS.

Gas monitoring should continue at a quarterly frequency.

Figures



SITE PLAN (TOTAL PROPERTY)

NEWTON SANITARY LANDFILL
MEWTON, IOWA

FIGURE:		1
REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6002	DATE 12-17-25



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Table 1 – Monitoring Program Summary

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

Monitoring Well	Formation	Current Monitoring Program	Change for next sampling event	Constituents w/ SSI	Constituents w/ SSL	Total # of Samples in each monitoring program since September 24, 2014		
						Detection	Assessment	Corrective Action
MW-36	Glacial Till	Detection	NC	None	None	25	0	0
MW-39	Glacial Till	Background	NC	None	None	25	0	0
MW-41	Glacial Till	Assessment	NC	1,1-dichloroethane, 1,2-dichloropropane, cis-1,2-dichloroethene	None	0	25	0
MW-42	Glacial Till	Assessment	NC	None	None	0	25	0
MW-48	Glacial Till	Background	NC	None	None	25	0	0
MW-58	Glacial Till	Assessment	NC	nickel	None	0	25	0
MW-59	Glacial Till	Assessment	NC	copper	None	0	25	0
MW-60	Glacial Till	Assessment	NC	copper, nickel	None	0	25	0
MW-61	Glacial Till	Assessment	NC	copper	None	0	25	0
MW-62R	Glacial Till	Assessment	NC	barium	None	0	25	0
MW-78	Glacial Till	Background	NC	None	None	25	0	0
MW-79	Glacial Till	Detection	NC	None	None	25	0	0
MW-80	Glacial Till	Assessment	NC	None	None	0	25	0

* = not verified - verification sample is required

Table 2 – Monitoring Program Implementation Schedule

Table 2
Monitoring Program Implementation Schedule
Annual Water Quality Report
Newton Sanitary Landfill
Permit No. 50-SDP-01-75P

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-36	see Table 2A	Appendix I	Appendix I		N/A
MW-39		Appendix I	Appendix I		N/A
MW-41		Appendix I	Appendix I	3/19/12, 9/25/12, 3/11/15, 3/26/20, 3/12/25	3/1/2030
MW-42		Appendix I	Appendix I	3/23/17, 3/19/18, 3/2/23	3/1/2028
MW-48		Appendix I	Appendix I		N/A
MW-58		Appendix I	Appendix I	3/19/12, 9/25/12, 3/11/15, 3/26/20, 3/12/25	3/1/2030
MW-59		Appendix I	Appendix I	3/7/19, 3/26/20, 3/12/25	3/1/2030
MW-60		Appendix I	Appendix I	3/19/12, 9/25/12, 3/11/15, 3/26/20, 3/12/25	3/1/2030
MW-61		Appendix I	Appendix I	3/23/17, 3/19/18, 3/2/23	3/1/2028
MW-62R		Appendix I	Appendix I	3/19/12, 9/25/12, 3/11/15, 3/26/20, 3/12/25	3/1/2030
MW-78		Appendix I	Appendix I		
MW-79		Appendix I	Appendix I		
MW-80		Appendix I	Appendix I	3/15/13, 9/25/13, 3/11/15, 3/26/20, 3/12/25	3/1/2030

⁽¹⁾ add dichlorodifluoromethane

DNE = Does Not Exist

⁽²⁾ add bis(2-ethylhexyl)phthalate

⁽³⁾ add any detected App II compounds

Table 2A – Summary of Monitoring to Date

WELL	3/24/14	8/8/14	9/25/14	12/5/14
MW-48 (b)	Appendix I		Appendix I +TSS	Appendix I
MW-78 (b)	Appendix I		Appendix I +TSS	Appendix I
MW-39 (b)	Appendix I		Appendix I +TSS	Appendix I
MW-62R	Appendix I+		Appendix I(+) + TSS	
MW-36	Appendix I		Appendix I +TSS	
MW-79	Appendix I		Appendix I +TSS	Resample - zn
MW-80	Appendix I*		Appendix I* + TSS	
MW-41	Appendix I+		Appendix I(+) + TSS	
MW-42	Appendix I		Appendix I +TSS	
MW-58	Appendix I*		Appendix I* + TSS	
MW-59	Appendix I	Resample - zn	Appendix I +TSS	
MW-60	Appendix I*		Appendix I* + TSS	
MW-61	Appendix I	Resample - co	Appendix I +TSS	
Duplicate	At MW-62R		At MW-78	

WELL	3/11/15	6/16/15	9/17/15	12/17/15
MW-48 (b)	Appendix I	Appendix I	Appendix I	
MW-78 (b)	Appendix I	Appendix I	Appendix I	
MW-39 (b)	Appendix I	Appendix I	Appendix I	
MW-62R	Appendix II		Appendix I(+)	
MW-36	Appendix I		Appendix I	
MW-79	Appendix I		Appendix I	
MW-80	Appendix II		Appendix I*	
MW-41	Appendix II		Appendix I(+)	
MW-42	Appendix I		Appendix I	
MW-58	Appendix II		Appendix I*	
MW-59	Appendix I		Appendix I	
MW-60	Appendix II		Appendix I*	Resample - ni
MW-61	Appendix I		Appendix I	Resample - cu
Duplicate	At MW-36		At MW-79	

Appendix I+ = Appendix I plus bis(2-ethylhexyl)phthalate (IAC 567-113.10(6)"d"2)

Appendix I* = Appendix I plus no detected Appendix II compounds (IAC 567-113.10(6)"d"2)

WELL	3/22/16	9/14/16	10/31/16
MW-48 (b)	Appendix I	Appendix I	
MW-78 (b)	Appendix I	Appendix I	
MW-39 (b)	Appendix I	Appendix I	
SW-101 (b)	NT	Appendix I	
MW-62R	Appendix I(+)	Appendix I(+)	
MW-36	Appendix I	Appendix I	
MW-79	Appendix I	Appendix I	
MW-80	Appendix I*	Appendix I*	
MW-41	Appendix I(+)	Appendix I(+)	
MW-42	Appendix I	Appendix I	Resample - co
MW-58	Appendix I*	Appendix I*	
MW-59	Appendix I	Appendix I	
MW-60	Appendix I*	Appendix I*	
MW-61	Appendix I	Appendix I	Resample - ni
Duplicate	At MW-79	At MW-61	

Appendix I+ = Appendix I plus bis(2-ethylhexyl)phthalate (IAC 567-113.10(6)"d"2)

Appendix I* = Appendix I plus no detected Appendix II compounds (IAC 567-113.10(6)"d"2)

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

WELL	3/16/08	5/28/08	7/7/08	9/16/08	12/22/08
GWD-1	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
WELL	3/5/09	9/13/09	3/29/10	9/28/10	12/22/10
MW-62R (b)				Appendix I	Appendix I
MW-78 (b)					Appendix I
MW-36				Appendix I	Appendix I
MW-79					Appendix I
MW-80					Appendix I
GWD-1	Appendix I	Appendix I	Appendix I	Appendix I	
MW-41				Appendix I	
MW-42				Appendix I	
MW-58				Appendix I	
MW-59				Appendix I	
MW-60				Appendix I	
MW-61				Appendix I	
Duplicate				At MW-42	
WELL	3/22/11	5/17/11	7/14/11	9/7/11	3/9/12
MW-48 (b)					Appendix I
MW-78 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-62R	Appendix I	Appendix I		Appendix I	Appendix II
MW-36	Appendix I			Appendix I	Appendix I
MW-79	Appendix I			Appendix I	Appendix I
MW-80	Appendix I			Appendix I	Appendix I
GWD-1	Appendix I			Appendix I	Dry
MW-41	Appendix I			Appendix I	Appendix II
MW-42	Appendix I			Appendix I	Appendix I
MW-58	Appendix I			Appendix I	Appendix II
MW-59	Appendix I			Appendix I	Appendix I
MW-60	Appendix I			Appendix I	Appendix I
MW-61	Appendix I			Appendix I	Appendix I
Duplicate	At MW-62R			At MW-42	At MW-59
WELL	7/18/12	9/25/12	3/15/13	9/25/13	12/19/13
MW-48 (b)	Appendix I	Appendix I	Appendix I	Appendix I	
MW-78 (b)		Appendix I	Appendix I	Appendix I	
MW-39 (b)		Appendix I	Appendix I	Appendix I	trichlorofluoromethane
MW-62R		Appendix II	Appendix I+	Appendix I+	
MW-36	Resample	Appendix I	Appendix I	Appendix I	
MW-79		Appendix I	Appendix I	Appendix I	
MW-80	Resample	Appendix I	Appendix II	Appendix II	
GWD-1		Appendix I	Not Tested	Not Tested	
MW-41		Appendix II	Appendix I+	Appendix I+	
MW-42	Resample	Appendix I	Appendix I	Appendix I	
MW-58		Appendix II	Appendix I*	Appendix I*	
MW-59		Appendix I	Appendix I	Appendix I	
MW-60		Appendix II	Appendix II	Appendix I*	
MW-61	Resample	Appendix I	Appendix I	Appendix I	
Duplicate		At MW-36	At MW-58	At MW-61	

WELL	3/23/17	6/9/17	9/8/17	
MW-48 (b)	Appendix I	R – cis-1,2-DCE	Appendix I	
MW-78 (b)	Appendix I		Appendix I	
MW-39 (b)	Appendix I		Appendix I	
SW-101 (b)	Appendix I		Appendix I	
MW-62R	Appendix I ⁽¹⁾		Appendix I ⁽¹⁾	
MW-36	Appendix I		Appendix I	
MW-79	Appendix I		Appendix I	
MW-80	Appendix I*		Appendix I*	
MW-41	Appendix I ⁽¹⁾		Appendix I ⁽¹⁾	
MW-42	Appendix II		Appendix I*	
MW-58	Appendix I*		Appendix I*	
MW-59	Appendix I		Appendix I	
MW-60	Appendix I*		Appendix I*	
MW-61	Appendix II		Appendix I*	
Duplicate	At MW-36		At MW-41	
WELL	3/19/18	6/5/18	9/11/18	12/5/18
MW-48 (b)	Appendix I	R – Cu	Appendix I	
MW-78 (b)	Appendix I		Appendix I	
MW-39 (b)	Appendix I		Appendix I	
SW-101 (b)	Appendix I		Appendix I	
MW-62R	Appendix I*		Appendix I*	
MW-36	Appendix I		Appendix I	
MW-79	Appendix I		Appendix I	
MW-80	Appendix I*		Appendix I*	
MW-41	Appendix I*		Appendix I*	
MW-42	Appendix II		Appendix I ⁽²⁾	
MW-58	Appendix I*		Appendix I*	R – Cu + Ni
MW-59	Appendix I		Appendix I	R – Cu
MW-60	Appendix I*		Appendix I*	
MW-61	Appendix II		Appendix I*	
Duplicate	At MW-59		At MW-60	
WELL	3/26/19	6/6/19	9/4/19	12/4/19
MW-48 (b)	Appendix I	cis-1,2-DCE	Appendix I	
MW-78 (b)	Appendix I		Appendix I	
MW-39 (b)	Appendix I		Appendix I	
SW-101 (b)	Appendix I		Appendix I	cis-1,2-DCE+vinyl chloride
MW-62R	Appendix I*		Appendix I*	
MW-36	Appendix I		Appendix I	
MW-79	Appendix I		Appendix I	
MW-80	Appendix I*		Appendix I*	
MW-41	Appendix I*		Appendix I*	
MW-42	Appendix I ⁽²⁾		Appendix I ⁽²⁾	
MW-58	Appendix I*		Appendix I*	
MW-59	Appendix II		Appendix I ⁽¹⁾	Appendix I ⁽¹⁾
MW-60	Appendix I*		Appendix I*	
MW-61	Appendix I*		Appendix I*	
Duplicate	At MW-48		At MW-61	

Appendix I⁽¹⁾ = Appendix I plus bis(2-ethylhexyl)phthalate (IAC 567-113.10(6)“d”2)

Appendix I⁽²⁾ = Appendix I plus 2,4,5-T (IAC 567-113.10(6)“d”2)

Appendix I* = Appendix I plus no detected Appendix II compounds (IAC 567-113.10(6)“d”2)

WELL	3/26/20	9/15/2020	3/2/21	9/27/21	3/24/22	6/13/22	8/31/22
MW-48 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I		Appendix I
MW-78 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I		Appendix I
MW-39 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I		Appendix I
MW-62R	Appendix II	Appendix I	Appendix I	Appendix I	Appendix I		Appendix I
MW-36	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I		Appendix I
MW-79	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	TCFM	Appendix I
MW-80	Appendix II	Appendix I	Appendix I	Appendix I	Appendix I		Appendix I
MW-41	Appendix II	Appendix I ⁽¹⁾	Appendix I	Appendix I	Appendix I		Appendix I
MW-42	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I		Appendix I
MW-58	Appendix II	Appendix I ⁽¹⁾	Appendix I	Appendix I	Appendix I		Appendix I
MW-59	Appendix II	Appendix I ⁽¹⁾	Appendix I	Appendix I	Appendix I		Appendix I
MW-60	Appendix II	Appendix I	Appendix I	Appendix I	Appendix I		Appendix I
MW-61	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I		Appendix I
Duplicate	At MW-79	At MW-60	At MW-62R	At MW-44	At MW-78		At MW-65

Appendix I⁽¹⁾ = Appendix I plus bis(2-ethylhexyl)phthalate (IAC 567-113.10(6)"d"2)

TCFM = Trichlorofluoromethane

WELL	3/02/23	9/12/23	3/4/2024	9/23/2024	3/12/2025	9/3/2025	12/2/2025
MW-48 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	carbon disulfide
MW-78 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
MW-39 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
MW-62R	Appendix I	Appendix I	Appendix I	Appendix I	Appendix II	Appendix I	
MW-36	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
MW-79	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
MW-80	Appendix I	Appendix I	Appendix I	Appendix I	Appendix II	Appendix I	
MW-41	Appendix I	Appendix I	Appendix I	Appendix I	Appendix II	Appendix I	
MW-42	Appendix II	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
MW-58	Appendix I	Appendix I	Appendix I	Appendix I	Appendix II	Appendix I	
MW-59	Appendix I	Appendix I	Appendix I	Appendix I	Appendix II	Appendix I	
MW-60	Appendix I	Appendix I	Appendix I	Appendix I	Appendix II	Appendix I	
MW-61	Appendix II	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
Duplicate	At MW-61	At MW-44	At MW-78	At MW-59	At MW-36	At MW-59	

Appendix I⁽¹⁾ = Appendix I plus bis(2-ethylhexyl)phthalate (IAC 567-113.10(6)"d"2)

TCFM = Trichlorofluoromethane

Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule

Table 3
Monitoring Well Maintenance and Performance Revaluation Schedule
Annual Water Quality Report
Newton Sanitary Landfill
Permit No. 50-SDP-01-75P

Compliance with:	Monitoring Calendar Years									
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
567 IAC 113.10(2)"f"(1) high and low water levels (biennial)	X	X	P	P	P	P	P	P	P	P
567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths (biennial)	X		P							
567 IAC 113.10(2)"f"(3) well depths (annual)	X	X	P	P	P	P	P	P	P	P
567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial)	X		P							
Waste separation from ground water 113.6(2)"l"	2X	2X	2X	2P	2P	2P	2P	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
Newton Sanitary Landfill
Permit No. 50-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	
					3/12/2025	12/4/2024			3/4/2024	Change
MW-36	845	837	20.6	Groundwater Level (ft)	8.52	9.82	0	2.08E-04 2011	Full recovery in 4 hour	None percieved
				Groundwater Elevation (Ft MSL)	836.48	835.18				
				Measured Well Depth (ft)	20.6	20.6				
				Submerged (+) or Exposed screen (-)	-0.52	-1.82				
MW-39	911.85	862.05	59.8	Groundwater Level (ft)	37.86	37.85	0	1.15E-06 2011	Full recovery in 4 hour	None percieved
				Groundwater Elevation (Ft MSL)	873.99	874				
				Measured Well Depth (ft)	59.8	59.8				
				Submerged (+) or Exposed screen (-)	11.94	11.95				
MW-41	901.73	869.63	42.1	Groundwater Level (ft)	32.62	31.64	0	3.46E-06 2000	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	869.11	870.09				
				Measured Well Depth (ft)	42.1	42.1				
				Submerged (+) or Exposed screen (-)	-0.52	0.46				
MW-42	838.4	820.9	27.5	Groundwater Level (ft)	7.21	7.58	0.5	7.25E-05 2000	Full recovery in 3 hour	None percieved
				Groundwater Elevation (Ft MSL)	831.19	830.82				
				Measured Well Depth (ft)	27	27				
				Submerged (+) or Exposed screen (-)	10.29	9.92				
MW-48	875.2	859.2	26	Groundwater Level (ft)	6.15	9.23	0.1	4.71E-06 2000	Full recovery in 3 hour	None percieved
				Groundwater Elevation (Ft MSL)	869.05	865.97				
				Measured Well Depth (ft)	25.9	25.9				
				Submerged (+) or Exposed screen (-)	9.85	6.77				
MW-58	848.04	835.34	22.7	Groundwater Level (ft)	15.35	15.18	0.1	2.26E-06 2000	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	832.69	832.86				
				Measured Well Depth (ft)	22.6	22.6				
				Submerged (+) or Exposed screen (-)	-2.65	-2.48				
MW-59	853.39	844.39	19	Groundwater Level (ft)	4.83	12.89	0.2	6.83E-06 2000	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	848.56	840.5				
				Measured Well Depth (ft)	18.8	18.8				
				Submerged (+) or Exposed screen (-)	4.17	-3.89				
MW-60	846.18	837.98	18.2	Groundwater Level (ft)	5.72	6.94	0.1	9.62E-05 2000	Full recovery in 3 hour	None percieved
				Groundwater Elevation (Ft MSL)	840.46	839.24				
				Measured Well Depth (ft)	18.1	18.1				
				Submerged (+) or Exposed screen (-)	2.48	1.26				
MW-61	855.61	847.11	18.5	Groundwater Level (ft)	4.86	6.4	0.15	5.79E-06 2000	Full recovery in 5 hour	None percieved
				Groundwater Elevation (Ft MSL)	850.75	849.21				
				Measured Well Depth (ft)	18.35	18.35				
				Submerged (+) or Exposed screen (-)	3.64	2.1				
MW-62R	917.16	893.41	38.75	Groundwater Level (ft)	18.78	19.41	0.45	4.13E-05 2011	Full recovery in 4 hour	None percieved
				Groundwater Elevation (Ft MSL)	898.38	897.75				
				Measured Well Depth (ft)	38.3	38.3				
				Submerged (+) or Exposed screen (-)	4.97	4.34				
MW-78	905.08	873.48	41.6	Groundwater Level (ft)	10.81	15.31	-0.1	7.14E-06 2011	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	894.27	889.77				
				Measured Well Depth (ft)	41.7	41.7				
				Submerged (+) or Exposed screen (-)	20.79	16.29				
MW-79	879.09	862.09	27	Groundwater Level (ft)	12.56	10.95	0	2.79E-06 2011	Full recovery in 24 hour	None percieved
				Groundwater Elevation (Ft MSL)	866.53	868.14				
				Measured Well Depth (ft)	27	27				
				Submerged (+) or Exposed screen (-)	4.44	6.05				
MW-80	868.07	846.57	21.5	Groundwater Level (ft)	14.78	14.38	1.5	4.78E-04 2011	Full recovery in 3 hour	None percieved
				Groundwater Elevation (Ft MSL)	853.29	853.69				
				Measured Well Depth (ft)	20	20				
				Submerged (+) or Exposed screen (-)	6.72	7.12				

Table 4A – Water Elevations Over Time

NEWTON SANITARY LANDFILL
50-SDP-1-75P
MONTHLY WATER ELEVATIONS

TOP PVC, FT. (Revised) DATE	MW 48	MW-39	MW-78	MW 62R	MW 41	MW 42	MW 58	MW 59	MW 60	MW-61	MW-36	MW-79	MW-80
	875.20	911.85	905.08	917.16	901.73	838.40	848.04	853.39	846.18	855.61	845.00	879.09	868.07
6/29/92	864.8			899.19	871.01	828.70	832.55	840.19	835.58	850.21			
12/14/92	869.94			902.06	869.73	829.80	832.90	843.67	837.16	850.81			
1/28/93	869.53			899.57	866.86	828.80	832.62	842.09	836.47	851.06			
3/5/93	869.59			897.75	870.36	828.70	832.80	842.53	837.57	850.78			
9/14/93	869.64			903.82	874.15	830.10	833.52	844.25	839.67	851.23			
3/14/94	868.74			898.90	872.22	828.72	832.74	842.59	836.31	850.11			
9/6/94	864.02			896.06	871.79	827.92	832.14	841.69	835.72	850.71			
3/14/95	867.2			897.61	871.53	829.08	832.46	844.19	836.58	851.41			
9/25/95	863.2			897.18	872.83	827.95	832.24	840.59	835.68	848.41			
03/19/1996	868			897.46	871.13	828.22	832.44	843.94	836.98	849.26			
09/05/1996	864.8			898.36	872.63	828.52	832.18	840.59	835.60	848.34			
01/20/1997	866.28			895.41	871.67	827.78	832.12	844.37	835.91	848.37			
03/12/1997	869.42			895.56	871.31	828.15	832.29	845.37	836.20	849.36			
04/24/1997	869.33			900.83	870.26	828.97	832.58	843.38	838.46	849.24			
05/24/1997	869.09			902.46	869.23	829.50	833.04	842.47	839.10	849.02			
06/27/1997	867			901.38	870.53	829.36	832.67	842.00	838.17	848.87			
07/30/1997	865.57			899.58	872.26	828.95	832.29	841.29	836.00	848.37			
09/10/1997	865			896.66	872.33	828.90	832.14	841.39	835.58	848.16			
01/15/1998	869.35			901.16	872.28	830.00	832.97	842.58	839.25	848.72			
03/25/1998	870.2			906.56	872.63	832.20	833.54	846.54	843.23	849.96			
07/21/1998	868.35			901.10	874.14	829.78	833.42	842.43	837.78	848.87			
08/31/1998	866.23			897.51	873.24	829.85	832.72	841.65	836.14	848.58			
09/08/1998	865.5			897.16	873.13	828.70	832.89	841.21	835.98	848.49			
01/30/1999	865.92			895.29	871.75	827.78	832.26	844.65	836.13	848.43			
03/10/1999	868.95			896.16	871.73	829.30	832.59	845.94	837.40	848.71			
05/30/1999	869.13			905.22	871.44	830.42	833.37	843.72	840.02	848.95			
06/26/1999	868.68			903.44	872.43	829.55	832.89	843.15	837.73	849.03			
07/30/1999	865.03			898.82	872.70	828.71	832.51	840.59	836.14	848.86			
08/30/1999	866.48			897.52	872.66	828.76	832.62	842.22	835.98	848.98			
09/05/1999	856.5			897.36	872.68	828.65	832.59	841.59	835.93	848.93			
03/27/1900	865.22			894.54	867.33	827.40	832.04	841.29	835.73	848.21			
09/14/2000	864.5			896.26	871.08	828.55	832.64	841.19	836.18	849.11			
03/19/2001	870.3			897.71	872.93	831.10	832.74	848.39	839.43	848.81			
08/31/2001	864.35			895.16	872.33	829.20	832.34	840.39	835.88	848.21			
03/19/2002	865.25			894.56	869.98	828.30	832.39	846.39	835.68	848.31			
09/06/2002	864.6			894.56	869.73	828.95	832.44	840.74	836.03	847.41			
03/27/2003	867			894.56	869.03	828.60	832.24	841.49	835.78	848.01			
09/20/2003	863.9			894.61	870.08	828.55	832.42	840.61	836.54	848.43			

NEWTON SANITARY LANDFILL
50-SDP-1-75P
MONTHLY WATER ELEVATIONS

TOP PVC, FT. (Revised) DATE	MW 48	MW-39	MW-78	MW 62R	MW 41	MW 42	MW 58	MW 59	MW 60	MW-61	MW-36	MW-79	MW-80
	875.20	911.85	905.08	917.16	901.73	838.40	848.04	853.39	846.18	855.61	845.00	879.09	868.07
03/24/2004	870.1			DRY	870.33	831.37	833.24	849.49	840.68	850.71			
09/11/2004	864.7			894.56	871.78	829.05	832.79	841.49	836.38	847.86			
03/02/2005	869.35			894.59	870.52	830.05	833.09	848.29	839.34	849.33			
09/09/2005	863.56			894.59	871.06	828.60	835.33	840.13	836.10	846.73			
11/01/2005	862.82			894.46	867.04	828.03	832.14	839.51	835.78	846.88			
03/09/2006	865.7			894.15	869.19	828.22	832.24	849.30	836.37	850.42			
06/29/2006	NT			NT	NT	NT	NT	NT	NT	NT			
09/01/2006	864.08			894.15	869.65	828.34	832.10	845.52	837.59	847.83			
12/29/2006	NT			NT	NT	NT	NT	NT	NT	NT			
03/27/2007	870.07			894.16	869.92	831.80	833.40	848.87	841.57	850.18			
06/20/2007	NT			NT	NT	NT	NT	NT	NT	NT			
09/24/2007	866			890.69	871.02	829.29	832.64	845.44	836.96	848.35			
12/21/2007	NT	NT		NT	NT	NT	NT	NT	NT	NT			
03/19/2008	870.33	875.49		894.53	870.51	832.26	833.86	849.12	842.22	850.00			
06/09/2008	NT	NT		NT	NT	NT	NT	NT	NT	NT			
09/15/2008	867.3	NT		893.96	871.43	829.60	832.84	847.99	837.43	849.21			
12/22/2008	NT	NT		NT	NT	NT	NT	NT	NT	NT			
03/05/2009	869.1	875.55		894.41	869.88	829.60	833.19	848.64	837.08	849.41			
06/24/2009	NT	NT		NT	NT	NT	NT	NT	NT	NT			
09/12/2009	866.6	890.95		896.38	871.33	830.00	833.29	844.97	839.38	848.26			
12/07/2009	NT	NT		NT	NT	NT	NT	NT	NT	NT			
03/30/2010	869.7	NT		901.96	871.53	832.00	833.79	849.04	841.28	850.01			
06/28/2010	NT	NT		NT	NT	NT	NT	NT	NT	NT			
09/27/2010	869.8	NT		902.36	872.53	832.30	833.94	848.69	841.48	848.21	837.65		
03/23/2011	869.55	876.00	888.98	895.61	869.93	829.15	832.69	849.29	838.18	850.41	836.50	870.14	852.97
09/08/2011	864.45	875.75	885.43	894.76	871.23	829.80	832.54	839.89	836.68	845.21	834.80	868.04	852.22
03/08/2012	865.5	874.00	887.43	891.36	869.68	829.35	832.84	849.24	838.88	850.43	836.10	868.09	852.70
07/18/2012	864.2	NT	NT	NT	NT	830.00	NT	NT	NT	843.46	834.25	NT	851.97
09/24/2012	862.5	873.55	882.88	890.06	869.63	828.90	831.89	837.69	835.98	842.61	833.20	866.19	851.17
03/14/2013	868.45	872.75	887.88	891.56	868.73	830.55	834.34	849.29	839.63	850.31	836.85	867.14	852.92
09/24/2013	862.7	870.95	885.03	893.46	871.03	831.60	832.89	838.24	836.43	844.36	834.30	866.39	852.17
03/24/2014	868.45	872.75	887.88	891.56	868.73	830.55	834.34	849.29	839.63	850.31	836.85	867.14	852.92
09/24/2014	862.7	870.95	885.03	893.46	871.03	831.60	832.89	838.24	836.43	844.36	834.30	866.39	852.17
03/11/2015	869.5	875.25	888.38	897.06	870.13	831.75	833.69	842.69	837.68	849.21	834.90	865.39	852.47
09/17/2015	866.6	874.73	889.65	897.17	871.12	831.60	834.44	842.49	837.78	849.10	835.67	868.08	853.35
03/22/2016	869.35	875.90	891.18	898.82	871.13	833.05	835.14	848.78	840.47	849.80	837.23	866.84	854.20
09/14/2016	865.35	881.93	886.37	893.41	870.43	831.08	833.09	843.99	836.43	849.31	834.80	868.14	852.52
03/23/2017	867.48	876.32	886.28	893.71	869.33	830.13	833.12	845.31	836.78	848.94	834.67	865.98	852.27

NEWTON SANITARY LANDFILL
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MONTHLY WATER ELEVATIONS

TOP PVC, FT. (Revised) DATE	MW 48	MW-39	MW-78	MW 62R	MW 41	MW 42	MW 58	MW 59	MW 60	MW-61	MW-36	MW-79	MW-80
	875.20	911.85	905.08	917.16	901.73	838.40	848.04	853.39	846.18	855.61	845.00	879.09	868.07
09/08/2017	863.5	876.20	884.98	892.52	869.87	830.66	832.29	839.04	836.33	848.19	834.16	867.04	852.13
3/19/2018	867.99	875.05	887.27	892.46	868.95	830.52	832.68	848.48	837.75	850.37	835.20	865.61	852.62
9/11/2018	869.68	874.79	893.68	898.55	870.62	831.96	833.90	845.31	842.18	849.85	836.90	868.77	853.72
3/26/2019	869.62	882.89	891.39	898.80	870.08	832.23	834.83	848.66	841.34	850.31	836.15	866.89	853.99
9/4/2019	864.89	875.72	886.96	894.84	870.49	831.30	833.16	839.78	836.73	848.73	835.00	867.62	853.02
3/26/2020	869.3	874.97	893.32	901.51	870.22	833.46	835.93	848.72	842.93	850.64	837.46	867.64	854.92
9/15/2020	864.95	874.45	887.87	894.00	870.42	830.94	832.87	840.61	836.71	849.50	834.72	868.04	853.14
3/2/2021	868.6	873.92	894.84	898.12	869.81	831.70	833.93	849.11	841.46	850.93	837.25	867.49	854.01
9/7/2021	863.87	873.93	885.57	893.89	870.20	830.52	832.58	838.98	836.58	848.05	834.45	867.44	852.90
3/24/2022	868.18	873.47	892.57	897.46	869.27	831.44	833.01	849.02	839.20	851.16	836.45	866.84	853.42
9/1/2022	863.21	873.09	884.88	892.91	869.45	829.82	832.24	838.14	836.43	847.69	833.95	866.80	852.52
3/2/2023	867.6	872.59	891.99	897.18	868.33	830.57	832.67	848.54	838.25	851.00	836.15	867.30	852.90
9/12/2023	863.2	872.66	885.87	893.46	869.12	829.44	832.13	839.03	836.63	848.28	834.51	867.27	852.39
3/4/2024	866.03	872.91	888.83	893.39	868.28	829.45	832.25	844.70	837.82	849.63	834.75	866.24	852.95
9/23/2024	864.31	873.53	886.41	893.84	869.93	830.29	832.25	843.95	836.91	850.42	834.95	867.56	852.97
3/12/2025	869.05	873.99	894.27	898.38	869.11	831.19	832.69	848.56	840.46	850.75	836.48	866.53	853.29
9/3/2025	865.97	874.00	889.77	897.75	870.09	830.82	832.86	840.50	839.24	849.21	835.18	868.14	853.69

Table 5 – Background and GWPS Summary

Table 5
Background and GWPS Summary
Annual Water Quality Report
Newton Sanitary Landfill
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Interwell Background/(MW-39, MW-48, MW-78, and SW-101)

Inorganics - Appendix I										
Constituent	Units	Model Type	Samples - N	Detections	Mean	SD	Prediction Limit	Confidence	GWPS	Source
Antimony (Sb)	µg/l	nonparametric	82	0			2.0000	0.99	6	SS
Arsenic (As)	µg/l	nonparametric	82	2			7.3000	0.99	10.0000	SS
Barium (Ba)	µg/l	nonparametric	82	82			357.0000	0.99	2000	SS
Beryllium (Be)	µg/l	nonparametric	79	0			4.0000	0.99	4	SS
Cadmium (Cd)	µg/l	nonparametric	79	0			0.8000	0.99	5	SS
Chromium (Cr)	µg/l	nonparametric	79	0			8.0000	0.99	100	SS
Cobalt (Co)	µg/l	nonparametric	82	12			6.9000	0.99	6.9000	Site
Copper (Cu)	µg/l	nonparametric	82	0			4.0000	0.99	1300	SS
Lead (Pb)	µg/l	nonparametric	79	0			4.0000	0.99	15	SS
Nickel (Ni)	µg/l	nonparametric	82	5			8.7000	0.99	100	SS
Selenium (Se)	µg/l	nonparametric	82	24			10.6000	0.99	50	SS
Silver (Ag)	µg/l	nonparametric	82	1			6.4000	0.99	100	SS
Thallium (Tl)	µg/l	nonparametric	79	1			2.4000	0.99	2.4	Site
Vanadium (V)	µg/l	nonparametric	79	0			20.0000	0.99	35	SS
Zinc (Zn)	µg/l	nonparametric	82	7			32.3000	0.99	2000	SS
VOC - Appendix I										
Constituent	Units	Model Type	Samples - N	Detections	Mean	SD	Prediction Limit	Confidence	GWPS	Source
All	µg/l	DQR	82	0	<1	<1	<1	<1	various	SS

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

Table 6 – Summary of Detections

Table 6
Summary of Well/Detected Constituent Pairs that Exceed the Prediction Limit
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Well	Constituent	Date	Most recent result (ug/L)	Background Standard (ug/L)	Monitoring Program	GWPS
MW-41	1,1-dichloroethane	3/12/2025	19.5	1	Assessment Monitoring Well	140
MW-41	1,1-dichloroethane	9/3/2025	21.0	1	Assessment Monitoring Well	140
MW-41	1,2-dichloropropane	9/3/2025	1.2	1	Assessment Monitoring Well	5
MW-41	cis-1,2-Dichloroethylene	3/12/2025	3.3	1	Assessment Monitoring Well	70
MW-41	cis-1,2-Dichloroethylene	9/3/2025	4.4	1	Assessment Monitoring Well	70
MW 42	None				Assessment Monitoring Well	
MW 58	Nickel	3/12/2025	14.20	8.7	Assessment Monitoring Well	100
MW 58	Nickel	9/3/2025	13.10	8.7	Assessment Monitoring Well	100
MW 59	Copper	3/12/2025	6.70	4.0	Assessment Monitoring Well	1300
MW 60	Copper	3/12/2025	4.5	4.0	Assessment Monitoring Well	1300
MW 60	Nickel	9/3/2025	15.2	8.7	Assessment Monitoring Well	100
MW 61	Copper	9/3/2025	6.5	4.0	Assessment Monitoring Well	1300
MW 62R	Barium	3/12/2025	946	357.0	Assessment Monitoring Well	2000
MW 62R	Barium	9/3/2025	1130	357.0	Assessment Monitoring Well	2000
MW 80	None				Assessment Monitoring Well	

Table 7 – Summary of Ongoing and Newly Identified SSI

Table 7

KEY:SSISSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Newton Sanitary Landfill

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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	Resamples Due	5th Background Sample
							Initial Exceedance		
MW-41	1,1-dichloroethane	9/15/2016	26.20	1.0	23.034	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	3/23/2017	24.40	1.0	23.809	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	9/8/2017	23.40	1.0	23.122	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	3/19/2018	26.70	1.0	23.362	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	9/11/2018	24.60	1.0	23.144	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	3/26/2019	24.60	1.0	23.211	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	9/4/2019	26.30	1.0	24.245	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	3/26/2020	30.80	1.0	23.130	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	9/15/2020	25.80	1.0	23.685	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	3/2/2021	24.50	1.0	23.626	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	9/7/2021	24.40	1.0	22.825	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	3/24/2022	25.10	1.0	24.191	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	8/31/2022	22.00	1.0	22.390	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	3/2/2023	23.90	1.0	22.288	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	9/12/2023	23.00	1.0	21.948	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	3/4/2024	19.00	1.0	19.470	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	9/23/2024	22.00	1.0	19.470	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	3/12/2025	19.50	1.0	18.603	140	9/15/2016	NA	9/15/2016
MW-41	1,1-dichloroethane	9/3/2025	21.00	1.0	18.755	140	9/15/2016	NA	9/15/2016

Table 7

KEY:SSISSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI

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

Annual Water Quality Report

Newton Sanitary Landfill

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI	Resamples Due	5th Background Sample
							Initial Exceedance		
MW-41	1,2-dichloropropane	9/15/2016	<1.0	1.0	---	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	3/23/2017	<1.0	1.0	---	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	9/8/2017	<1.0	1.0	---	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	3/19/2018	<1.0	1.0	0.500	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	9/11/2018	<1.0	1.0	0.500	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	3/26/2019	<1.0	1.0	0.500	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	9/4/2019	<1.0	1.0	0.500	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	3/26/2020	1.2	1.0	0.263	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	9/15/2020	<1.0	1.0	0.263	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	3/2/2021	<1.0	1.0	0.263	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	9/7/2021	<1.0	1.0	0.263	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	3/24/2022	<1.0	1.0	0.500	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	8/31/2022	<1.0	1.0	0.500	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	3/2/2023	1.0	1.0	0.331	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	9/12/2023	<1.0	1.0	0.331	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	3/4/2024	<1.0	1.0	0.331	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	9/23/2024	1.0	1.0	0.410	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	3/12/2025	<1.0	1.0	0.331	5	3/26/2020	NA	9/15/2016
MW-41	1,2-dichloropropane	9/3/2025	1.2	1.0	0.381	5	3/26/2020	NA	9/15/2016

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Newton Sanitary Landfill

Permit No.50-SDP-01-75P

KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI	Resamples Due	5th Background Sample
							Initial Exceedance		
MW-41	bis (2-ethylhexyl) phthalate	9/15/2016	<10	6.0	---	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	3/23/2017	<10	6.0	---	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	9/8/2017	<10	6.0	---	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	3/19/2018	NT	6.0	---	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	9/11/2018	NT	6.0	---	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	3/26/2019	NT	6.0	---	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	9/4/2019	NT	6.0	---	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	3/26/2020	8.00	6.0	3.986	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	9/15/2020	<6	6.0	3.986	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	3/2/2021	NT	6.0	3.986	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	9/7/2021	NT	6.0	3.986	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	3/24/2022	NT	6.0	3.986	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	8/31/2022	NT	6.0	3.986	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	3/2/2023	NT	6.0	3.986	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	9/12/2023	NT	6.0	3.986	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	3/4/2024	NT	6.0	3.986	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	9/23/2024	NT	6.0	3.986	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	3/12/2025	<6	6.0	3.986	6.0	3/26/2020	NA	3/26/2020
MW-41	bis (2-ethylhexyl) phthalate	9/3/2025	NT	6.0	3.986	6.0	3/26/2020	NA	3/26/2020

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Newton Sanitary Landfill

Permit No.50-SDP-01-75P

KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI	Resamples Due	5th Background Sample
							Initial Exceedance		
MW-41	cis-1,2-dichloroethylene	9/15/2016	2.70	1.0	2.024	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	3/23/2017	2.70	1.0	2.325	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	9/8/2017	2.20	1.0	2.247	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	3/19/2018	2.20	1.0	2.110	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	9/11/2018	2.60	1.0	2.116	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	3/26/2019	3.90	1.0	1.777	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	9/4/2019	3.90	1.0	2.113	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	3/26/2020	5.30	1.0	2.628	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	9/15/2020	5.00	1.0	3.664	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	3/2/2021	4.60	1.0	3.988	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	9/7/2021	4.90	1.0	4.610	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	3/24/2022	4.90	1.0	4.646	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	8/31/2022	4.00	1.0	4.101	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	3/2/2023	4.10	1.0	3.896	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	9/12/2023	3.60	1.0	3.509	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	3/4/2024	2.40	1.0	2.607	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	9/23/2024	3.10	1.0	2.446	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	3/12/2025	3.30	1.0	2.500	70	9/15/2016	NA	9/15/2016
MW-41	cis-1,2-dichloroethylene	9/3/2025	4.40	1.0	2.325	70	9/15/2016	NA	9/15/2016

Table 7

KEY:SSISSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI

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Newton Sanitary Landfill

Permit No.50-SDP-01-75P

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI	Resamples Due	5th Background Sample
							Initial Exceedance		
MW-41	tetrachloroethene (PCE)	9/15/2016	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	3/23/2017	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	9/8/2017	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	3/19/2018	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	9/11/2018	1.00	1.0	0.331	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	3/26/2019	<1.0	1.0	0.331	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	9/4/2019	<1.0	1.0	0.331	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	3/26/2020	<1.0	1.0	0.331	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	9/15/2020	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	3/2/2021	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	9/7/2021	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	3/24/2022	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	8/31/2022	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	3/2/2023	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	9/12/2023	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	3/4/2024	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	9/23/2024	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	3/12/2025	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	tetrachloroethene (PCE)	9/3/2025	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016

Table 7

KEY:SSISSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI

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

Annual Water Quality Report

Newton Sanitary Landfill

Permit No.50-SDP-01-75P

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI	Resamples Due	5th Background Sample
							Initial Exceedance		
MW-41	trichloroethene (TCE)	9/15/2016	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	3/23/2017	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	9/8/2017	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	3/19/2018	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	9/11/2018	1.10	1.0	0.297	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	3/26/2019	<1.0	1.0	0.297	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	9/4/2019	<1.0	1.0	0.297	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	3/26/2020	<1.0	1.0	0.297	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	9/15/2020	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	3/2/2021	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	9/7/2021	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	3/24/2022	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	8/31/2022	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	3/2/2023	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	9/12/2023	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	3/4/2024	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	9/23/2024	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	3/12/2025	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016
MW-41	trichloroethene (TCE)	9/3/2025	<1.0	1.0	0.500	5	9/11/2018	NA	9/15/2016

Table 7

KEY:SSISSL LCL>GWPS

Summary of Ongoing & Newly Identified SSIAnnual Water Quality ReportNewton Sanitary LandfillPermit No.50-SDP-01-75P

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI	Resamples Due	5th Background Sample
							Initial Exceedance		
MW-41	chloroethane	9/15/2016	<1.0	1.0	0.500	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	3/23/2017	<1.0	1.0	0.500	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	9/8/2017	<1.0	1.0	0.500	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	3/19/2018	<1.0	1.0	0.500	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	9/11/2018	<1.0	1.0	0.500	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	3/26/2019	1.10	1.0	0.297	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	9/4/2019	<1.0	1.0	0.297	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	3/26/2020	1.00	1.0	0.398	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	9/15/2020	<1.0	1.0	0.398	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	3/2/2021	<1.0	1.0	0.408	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	9/7/2021	1.00	1.0	0.410	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	3/24/2022	<1.0	1.0	0.331	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	8/31/2022	<1.0	1.0	0.331	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	3/2/2023	<1.0	1.0	0.331	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	9/12/2023	<1.0	1.0	0.500	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	3/4/2024	<1.0	1.0	0.500	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	9/23/2024	<1.0	1.0	0.500	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	3/12/2025	<1.0	1.0	0.500	2,800.00	3/26/2019	NA	9/15/2016
MW-41	chloroethane	9/3/2025	<1.0	1.0	0.500	2,800.00	3/26/2019	NA	9/15/2016

* = documented false positive

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

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Newton Sanitary Landfill

Permit No.50-SDP-01-75P

KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		Sample
MW-42	Cobalt	9/15/2016	4.80	4.5	0.584	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	10/30/2016	4.80	4.5	0.584	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	3/23/2017	<0.8	4.5	1.498	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	9/8/2017	4.00	6.9	2.345	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	3/19/2018	<0.8	6.9	1.525	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	9/11/2018	1.70	6.9	1.179	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	3/26/2019	<0.8	6.9	0.000	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	9/4/2019	4.50	6.9	0.000	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	3/26/2020	2.90	6.9	0.162	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	9/15/2020	2.10	6.9	0.469	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	3/2/2021	0.70	6.9	0.684	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	9/7/2021	1.00	6.9	0.482	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	3/24/2022	0.40	6.9	0.000	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	8/31/2022	1.50	6.9	0.035	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	3/2/2023	0.60	6.9	0.304	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	9/12/2023	4.90	6.9	0.000	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	3/4/2024	0.70	6.9	0.000	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	9/23/2024	1.60	6.9	0.000	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	3/12/2025	<0.4	6.9	0.000	6.9	9/15/2016	NA	9/15/2016
MW-42	Cobalt	9/3/2025	<0.5	6.9	0.107	6.9	9/15/2016	NA	9/15/2016

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report
Newton Sanitary Landfill
Permit No.50-SDP-01-75P

KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		Sample
MW-42	2,4,5-T	3/23/2017	<5.0	5.0	---	70	3/19/2018	NA	9/15/2016
MW-42	2,4,5-T	3/19/2018	5.00	5.0	---	70	3/19/2018	NA	9/15/2016
MW-42	2,4,5-T	3/26/2019	<5.0	5.0	---	70	3/19/2018	NA	9/15/2016
MW-42	2,4,5-T	9/4/2019	<5.0	5.0	2.500	70	3/19/2018	NA	9/15/2016
MW-42	2,4,5-T	3/26/2020	NT	5.0	2.500	70	3/19/2018	NA	9/15/2016
MW-42	2,4,5-T	9/15/2020	NT	5.0	2.500	70	3/19/2018	NA	9/15/2016
MW-42	2,4,5-T	3/2/2021	NT	5.0	2.500	70	3/19/2018	NA	9/15/2016
MW-42	2,4,5-T	9/7/2021	NT	5.0	2.500	70	3/19/2018	NA	9/15/2016
MW-42	2,4,5-T	3/24/2022	NT	5.0	2.500	70	3/19/2018	NA	9/15/2016
MW-42	2,4,5-T	8/31/2022	NT	5.0	2.500	70	3/19/2018	NA	9/15/2016
MW-42	2,4,5-T	3/2/2023	<5.0	5.0	2.500	70	3/19/2018	NA	9/15/2016
MW-42	2,4,5-T	9/12/2023	NT	5.0	2.500	70	3/19/2018	NA	9/15/2016
MW-42	2,4,5-T	3/4/2024	NT	5.0	2.500	70	3/19/2018	NA	9/15/2016
MW-42	2,4,5-T	9/23/2024	NT	5.0	2.500	70	3/19/2018	NA	9/15/2016
MW-42	2,4,5-T	3/12/2025	NT	5.0	2.500	70	3/19/2018	NA	9/15/2016
MW-42	2,4,5-T	9/3/2025	NT	5.0	2.500	70	3/19/2018	NA	9/15/2016

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

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Newton Sanitary Landfill

Permit No.50-SDP-01-75P

KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		Sample
MW-58	Nickel	9/15/2016	13.30	8.7	7.855	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	3/23/2017	23.80	8.7	11.232	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	9/8/2017	21.10	8.7	14.507	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	3/19/2018	25.50	8.7	14.577	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	9/11/2018	18.40	8.7	18.536	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	12/5/2018	18.40	8.7	18.536	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	3/26/2019	22.90	8.7	17.168	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	9/4/2019	4.30	8.7	6.492	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	3/26/2020	19.90	8.7	6.654	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	9/15/2020	17.70	8.7	6.537	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	3/2/2021	14.70	8.7	6.029	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	9/7/2021	16.30	8.7	14.556	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	3/24/2022	18.30	8.7	14.864	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	8/31/2022	14.70	8.7	13.990	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	3/2/2023	15.50	8.7	14.383	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	9/12/2023	13.90	8.7	13.348	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	3/4/2024	16.70	8.7	13.795	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	9/23/2024	12.60	8.7	12.561	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	3/12/2025	14.20	8.7	12.334	100	9/15/2016	NA	9/15/2016
MW-58	Nickel	9/3/2025	13.10	8.7	12.001	100	9/15/2016	NA	9/15/2016

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report
Newton Sanitary Landfill
Permit No.50-SDP-01-75P

KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		Sample
MW-58	bis (2-ethylhexyl) phthalate	9/15/2016	NT	6.00	---	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	3/23/2017	NT	6.00	---	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	9/8/2017	NT	6.00	---	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	3/19/2018	NT	6.00	---	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	9/11/2018	NT	6.00	---	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	3/26/2019	NT	6.00	---	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	9/4/2019	NT	6.00	---	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	3/26/2020	6.00	6.00	3.324	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	9/15/2020	<6.0	6.00	3.324	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	3/2/2021	NT	6.00	3.324	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	9/7/2021	NT	6.00	3.324	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	3/24/2022	NT	6.00	3.324	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	8/31/2022	NT	6.00	3.324	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	3/2/2023	NT	6.00	3.324	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	9/12/2023	NT	6.00	3.324	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	3/4/2024	NT	6.00	3.324	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	9/23/2024	NT	6.00	3.324	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	3/12/2025	<6.0	6.00	3.324	6.00	3/26/2020	NA	3/26/2020
MW-58	bis (2-ethylhexyl) phthalate	9/3/2025	NT	6.00	3.324	6.00	3/26/2020	NA	3/26/2020

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report
Newton Sanitary Landfill
Permit No.50-SDP-01-75P

KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI		Resamples Due	5th Background Sample
							Initial Exceedance			
MW-58	cis-1,2-dichloroethylene	9/15/2016	5.80	1.0	4.307	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	3/23/2017	4.80	1.0	4.146	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	9/8/2017	5.20	1.0	4.136	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	3/19/2018	4.00	1.0	4.062	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	9/11/2018	3.90	1.0	3.735	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	3/26/2019	2.70	1.0	2.748	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	9/4/2019	3.60	1.0	2.854	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	3/26/2020	2.80	1.0	2.554	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	9/15/2020	2.90	1.0	2.520	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	3/2/2021	1.70	1.0	1.826	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	9/7/2021	2.10	1.0	1.700	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	3/24/2022	1.70	1.0	1.435	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	8/31/2022	1.70	1.0	1.565	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	3/2/2023	1.80	1.0	1.602	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	9/12/2023	1.70	1.0	1.666	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	3/4/2024	1.00	1.0	1.115	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	9/23/2024	<1.0	1.0	0.528	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	3/12/2025	<1.0	1.0	0.257	70	9/15/2016		NA	9/15/2016
MW-58	cis-1,2-dichloroethylene	9/3/2025	<1.0	1.0	0.500	70	9/15/2016		NA	9/15/2016

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Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report
Newton Sanitary Landfill
Permit No.50-SDP-01-75P

KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		Sample
MW-59	Copper	9/15/2016	<4.0	4.0	1.087	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	3/23/2017	<4.0	4.0	1.087	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	9/8/2017	<4.0	4.0	1.087	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	3/19/2018	4.80	4.0	1.053	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	6/5/2018	<4.0	4.0	1.053	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	9/11/2018	4.60	4.0	1.514	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	12/5/2018	4.10	4.0	1.514	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	3/26/2019	5.50	4.0	2.304	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	9/4/2019	<4.0	4.0	2.304	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	3/26/2020	6.90	4.0	2.166	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	9/15/2020	<4.0	4.0	2.166	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	3/2/2021	<4.0	4.0	1.103	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	9/7/2021	<4.0	4.0	1.103	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	3/24/2022	8.20	4.0	0.000	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	8/31/2022	6.00	4.0	0.929	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	3/2/2023	6.80	4.0	2.261	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	9/12/2023	<4.0	4.0	2.261	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	3/4/2024	<4.0	4.0	0.929	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	9/23/2024	<4.0	4.0	1.103	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	3/12/2025	6.70	4.0	0.411	1300	9/15/2016	NA	9/15/2016
MW-59	Copper	9/3/2025	<5.0	5.0	0.411	1300	9/15/2016	NA	9/15/2016

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KEY:

SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		
MW-59	bis (2-ethylhexyl) phthalate	3/26/2019	15.00	6.0	---	6	3/19/2018	NA	9/15/2016
MW-59	bis (2-ethylhexyl) phthalate	6/6/2019	<6	6.0	---	6	3/19/2018	NA	9/15/2016
MW-59	bis (2-ethylhexyl) phthalate	9/4/2019	<6	6.0	---	6	3/19/2018	NA	9/15/2016
MW-59	bis (2-ethylhexyl) phthalate	12/4/2019	6.00	6.0	---	6	3/19/2018	NA	9/15/2016
MW-59	bis (2-ethylhexyl) phthalate	3/26/2020	<6	6.0	1.986	6	3/19/2018	NA	9/15/2016
MW-59	bis (2-ethylhexyl) phthalate	9/15/2020	<6	6.0	1.986	6	3/19/2018	NA	9/15/2016
MW-59	bis (2-ethylhexyl) phthalate	3/2/2021	NT	6.0	1.986	6	3/19/2018	NA	9/15/2016
MW-59	bis (2-ethylhexyl) phthalate	9/7/2021	NT	6.0	1.986	6	3/19/2018	NA	9/15/2016
MW-59	bis (2-ethylhexyl) phthalate	3/24/2022	NT	6.0	1.986	6	3/19/2018	NA	9/15/2016
MW-59	bis (2-ethylhexyl) phthalate	8/31/2022	NT	6.0	1.986	6	3/19/2018	NA	9/15/2016
MW-59	bis (2-ethylhexyl) phthalate	3/2/2023	NT	6.0	1.986	6	3/19/2018	NA	9/15/2016
MW-59	bis (2-ethylhexyl) phthalate	9/12/2023	NT	6.0	1.986	6	3/19/2018	NA	9/15/2016
MW-59	bis (2-ethylhexyl) phthalate	3/4/2024	NT	6.0	1.986	6	3/19/2018	NA	9/15/2016
MW-59	bis (2-ethylhexyl) phthalate	9/23/2024	NT	6.0	1.986	6	3/19/2018	NA	9/15/2016
MW-59	bis (2-ethylhexyl) phthalate	3/12/2025	<6	6.0	1.986	6	3/19/2018	NA	9/15/2016
MW-59	bis (2-ethylhexyl) phthalate	9/3/2025	NT	6.0	1.986	6	3/19/2018	NA	9/15/2016

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Table 7

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Annual Water Quality Report

Newton Sanitary Landfill

Permit No.50-SDP-01-75P

KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		Sample
MW-60	Copper	9/15/2016	<4.0	4.0	---	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	3/23/2017	<4.0	4.0	---	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	9/8/2017	<4.0	4.0	---	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	3/19/2018	<4.0	4.0	---	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	9/11/2018	<4.0	4.0	---	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	3/26/2019	<4.0	4.0	---	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	9/4/2019	<4.0	4.0	---	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	3/26/2020	<4.0	4.0	---	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	9/15/2020	<4.0	4.0	---	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	3/2/2021	<4.0	4.0	---	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	9/7/2021	<4.0	4.0	---	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	3/24/2022	<4.0	4.0	---	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	8/31/2022	10.3	4.0	0.000	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	3/2/2023	<4.0	4.0	0.000	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	9/12/2023	<4.0	4.0	0.000	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	3/4/2024	<4.0	4.0	0.000	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	9/23/2024	<4.0	4.0	2.000	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	3/12/2025	4.5	4.0	1.155	1300	8/31/2022	NA	9/15/2016
MW-60	Copper	9/3/2025	<5.0	5.0	1.155	1300	8/31/2022	NA	9/15/2016

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KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		Sample
MW-60	Nickel	9/15/2016	17.30	8.7	2.324	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	3/23/2017	<4.0	8.7	0.000	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	9/8/2017	7.50	8.7	1.207	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	3/19/2018	<4.0	8.7	0.000	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	9/11/2018	<4.0	8.7	0.140	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	3/26/2019	15.20	8.7	0.000	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	9/4/2019	24.80	8.7	0.000	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	3/26/2020	19.40	8.7	3.906	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	9/15/2020	34.40	8.7	13.698	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	3/2/2021	22.00	8.7	17.446	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	9/7/2021	30.10	8.7	18.268	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	3/24/2022	18.20	8.7	17.476	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	8/31/2022	45.70	8.7	14.662	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	3/2/2023	11.50	8.7	8.725	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	9/12/2023	26.40	8.7	8.028	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	3/4/2024	<4.0	8.7	0.000	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	9/23/2024	29.20	8.7	2.209	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	3/12/2025	5.30	8.7	0.000	100	9/15/2016	NA	9/15/2016
MW-60	Nickel	9/3/2025	15.20	8.7	0.000	100	9/15/2016	NA	9/15/2016

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Annual Water Quality Report
Newton Sanitary Landfill
Permit No.50-SDP-01-75P

KEY:

SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		Sample
MW-61	Copper	9/15/2016	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	10/31/2016	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	3/23/2017	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	9/8/2017	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	3/19/2018	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	9/11/2018	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	3/26/2019	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	9/4/2019	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	3/26/2020	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	9/15/2020	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	3/2/2021	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	9/7/2021	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	3/24/2022	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	8/31/2022	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	3/2/2023	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	9/12/2023	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	3/4/2024	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	9/23/2024	5.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	3/12/2025	<4.0	4.0	2.0	1300	9/23/2024	NA	9/15/2016
MW-61	Copper	9/3/2025	6.5	4.0	1.228	1300	9/23/2024	NA	9/15/2016

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SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		Sample
MW-61	Nickel	9/15/2016	14.90	8.7	0.000	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	10/31/2016	27.70	8.7	0.000	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	3/23/2017	<4.0	8.7	0.000	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	9/8/2017	5.70	8.7	0.000	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	3/19/2018	<4.0	8.7	0.000	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	9/11/2018	<4.0	8.7	0.749	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	3/26/2019	4.30	8.7	1.355	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	9/4/2019	8.90	8.7	0.474	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	3/26/2020	9.30	8.7	1.932	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	9/15/2020	8.50	8.7	5.017	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	3/2/2021	6.10	8.7	6.509	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	9/7/2021	13.70	8.7	5.668	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	3/24/2022	6.60	8.7	4.638	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	8/31/2022	15.30	8.7	4.832	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	3/2/2023	4.80	8.7	4.013	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	9/12/2023	<4.0	8.7	0.426	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	3/4/2024	4.80	8.7	0.000	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	9/23/2024	5.60	8.7	2.443	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	3/12/2025	<4.0	8.7	1.393	100	9/15/2016	NA	9/15/2016
MW-61	Nickel	9/3/2025	5.80	8.7	2.487	100	9/15/2016	NA	9/15/2016

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Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		Sample
MW-62R	barium	9/15/2016	784	393.8	771.13	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	3/23/2017	831	393.8	784.769	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	9/8/2017	864	393.8	784.999	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	3/19/2018	858	393.8	791.380	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	9/11/2018	816	393.8	815.627	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	3/26/2019	891	393.8	820.761	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	9/4/2019	917	393.8	819.186	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	3/26/2020	1060	392.3	800.923	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	9/15/2020	1070	392.5	874.345	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	3/2/2021	1010	391.6	931.975	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	9/7/2021	1060	392.8	1018.146	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	3/24/2022	1020	391.1	1005.371	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	8/31/2022	1060	392.9	1006.564	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	3/2/2023	1170	357.0	1001.647	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	9/12/2023	1050	357.0	1018.211	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	3/4/2024	1010	357.0	991.929	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	9/23/2024	945	357.0	932.429	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	3/12/2025	946	357.0	927.232	2000	9/15/2016	NA	9/15/2016
MW-62R	barium	9/3/2025	1130	357.0	905.427	2000	9/15/2016	NA	9/15/2016

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI	Resamples Due	5th Background Sample
							Initial Exceedance		
MW-62R	trichlorofluoromethane	9/15/2016	6.50	1.0	5.108	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	3/23/2017	6.00	1.0	5.563	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	9/8/2017	5.10	1.0	5.060	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	3/19/2018	4.80	1.0	4.674	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	9/11/2018	5.10	1.0	4.639	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	3/26/2019	3.40	1.0	3.644	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	9/4/2019	3.40	1.0	3.113	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	3/26/2020	2.20	1.0	2.122	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	9/15/2020	1.70	1.0	1.661	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	3/2/2021	2.00	1.0	1.448	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	9/7/2021	1.30	1.0	1.339	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	3/24/2022	<1.0	1.0	0.610	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	8/31/2022	1.60	1.0	0.603	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	3/2/2023	1.90	1.0	0.617	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	9/12/2023	1.40	1.0	0.641	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	3/4/2024	1.00	1.0	1.031	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	9/23/2024	<1.0	1.0	0.501	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	3/12/2025	<1.0	1.0	0.337	2000	9/15/2016	NA	9/15/2016
MW-62R	trichlorofluoromethane	9/3/2025	<1.0	1.0	0.500	2000	9/15/2016	NA	9/15/2016

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

Table 7

Summary of Ongoing & Newly Identified SSI

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Newton Sanitary Landfill

Permit No.50-SDP-01-75P

KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		Sample
MW-80	arsenic	9/15/2016	9.30	7.3	0.761	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	3/23/2017	10.80	7.3	0.511	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	9/8/2017	<4.0	7.3	0.511	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	3/19/2018	<4.0	7.3	0.511	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	9/11/2018	<4.0	7.3	0.000	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	3/26/2019	59.00	7.3	0.000	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	9/4/2019	<4.0	7.3	0.000	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	3/26/2020	<4.0	7.3	0.000	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	9/15/2020	4.10	7.3	0.000	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	3/2/2021	<4.0	7.3	1.290	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	9/7/2021	5.40	7.3	1.406	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	3/24/2022	<4.0	7.3	1.406	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	8/31/2022	240.0	7.3	0.000	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	3/2/2023	4.60	7.3	0.000	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	9/12/2023	<4.0	7.3	0.000	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	3/4/2024	<4.0	7.3	0.000	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	9/23/2024	<4.0	7.3	1.121	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	3/12/2025	4.60	7.3	1.121	10	9/15/2016	NA	9/15/2016
MW-80	arsenic	9/3/2025	<2.0	7.3	1.121	10	9/15/2016	NA	9/15/2016

Table 7

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Permit No.50-SDP-01-75P

KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		Sample
MW-80	barium	9/15/2016	276.00	393.8	---	2000	8/31/2022	NA	9/15/2016
MW-80	barium	3/23/2017	276.00	393.8	---	2000	8/31/2022	NA	9/15/2016
MW-80	barium	9/8/2017	288.00	393.8	---	2000	8/31/2022	NA	9/15/2016
MW-80	barium	3/19/2018	216.00	393.8	---	2000	8/31/2022	NA	9/15/2016
MW-80	barium	9/11/2018	228.00	393.8	---	2000	8/31/2022	NA	9/15/2016
MW-80	barium	3/26/2019	380.00	393.8	---	2000	8/31/2022	NA	9/15/2016
MW-80	barium	9/4/2019	228.00	393.8	---	2000	8/31/2022	NA	9/15/2016
MW-80	barium	3/26/2020	172.00	392.3	---	2000	8/31/2022	NA	9/15/2016
MW-80	barium	9/15/2020	201.00	392.5	---	2000	8/31/2022	NA	9/15/2016
MW-80	barium	3/2/2021	154.00	391.6	---	2000	8/31/2022	NA	9/15/2016
MW-80	barium	9/7/2021	168.00	392.8	---	2000	8/31/2022	NA	9/15/2016
MW-80	barium	3/24/2022	145.00	391.1	---	2000	8/31/2022	NA	9/15/2016
MW-80	barium	8/31/2022	562.0	392.9	18.008	2000	8/31/2022	NA	9/15/2016
MW-80	barium	3/2/2023	145.00	357.0	13.915	2000	8/31/2022	NA	9/15/2016
MW-80	barium	9/12/2023	146.00	357.0	4.439	2000	8/31/2022	NA	9/15/2016
MW-80	barium	3/4/2024	131.00	357.0	0.000	2000	8/31/2022	NA	9/15/2016
MW-80	barium	9/23/2024	135.00	357.0	130.533	2000	8/31/2022	NA	9/15/2016
MW-80	barium	3/12/2025	127.00	357.0	125.128	2000	8/31/2022	NA	9/15/2016
MW-80	barium	9/3/2025	120.00	357.0	120.726	2000	8/31/2022	NA	9/15/2016

Table 7

Summary of Ongoing & Newly Identified SSI

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Newton Sanitary Landfill

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KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		Sample
MW-80	cadmium	9/15/2016	<0.8	0.8	0.400	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	3/23/2017	1.10	0.8	0.163	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	9/8/2017	<0.8	0.8	0.163	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	3/19/2018	<0.8	0.8	0.163	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	9/11/2018	<0.8	0.8	0.163	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	3/26/2019	<0.8	0.8	0.400	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	9/4/2019	1.00	0.8	0.197	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	3/26/2020	<0.8	0.8	0.197	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	9/15/2020	<0.8	0.8	0.197	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	3/2/2021	<0.8	0.8	0.197	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	9/7/2021	<0.8	0.8	0.400	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	3/24/2022	<0.8	0.8	0.400	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	8/31/2022	2.60	0.8	0.000	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	3/2/2023	<0.8	0.8	0.000	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	9/12/2023	<0.8	0.8	0.000	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	3/4/2024	<0.8	0.8	0.000	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	9/23/2024	<0.8	0.8	0.400	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	3/12/2025	<0.8	0.8	0.400	5	3/23/2017	NA	9/15/2016
MW-80	cadmium	9/3/2025	<0.2	0.8	0.400	5	3/23/2017	NA	9/15/2016

Table 7

Summary of Ongoing & Newly Identified SSI

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Newton Sanitary Landfill

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KEY:

SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		Sample
MW-80	cobalt	9/15/2016	2.10	6.9	---	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	3/23/2017	1.70	6.9	---	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	9/8/2017	3.00	6.9	---	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	3/19/2018	0.80	6.9	---	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	9/11/2018	<0.80	6.9	---	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	3/26/2019	<0.80	6.9	---	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	9/4/2019	0.90	6.9	---	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	3/26/2020	1.40	6.9	---	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	9/15/2020	2.50	6.9	---	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	3/2/2021	1.70	6.9	---	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	9/7/2021	2.70	6.9	---	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	3/24/2022	2.90	6.9	---	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	8/31/2022	7.40	6.9	0.689	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	3/2/2023	1.20	6.9	0.402	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	9/12/2023	0.70	6.9	0.000	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	3/4/2024	1.30	6.9	0.000	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	9/23/2024	0.80	6.9	0.654	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	3/12/2025	1.80	6.9	0.554	6.9	8/31/2022	NA	9/15/2016
MW-80	cobalt	9/3/2025	0.60	6.9	0.492	6.9	8/31/2022	NA	9/15/2016

Table 7

Summary of Ongoing & Newly Identified SSI

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Newton Sanitary Landfill
Permit No.50-SDP-01-75P

KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		Sample
MW-80	selenium	9/15/2016	<4.0	10.6	---	50	8/31/2022	NA	9/15/2016
MW-80	selenium	3/23/2017	<4.0	10.6	---	50	8/31/2022	NA	9/15/2016
MW-80	selenium	9/8/2017	<4.0	10.6	---	50	8/31/2022	NA	9/15/2016
MW-80	selenium	3/19/2018	<4.0	10.6	---	50	8/31/2022	NA	9/15/2016
MW-80	selenium	9/11/2018	<4.0	10.6	---	50	8/31/2022	NA	9/15/2016
MW-80	selenium	3/26/2019	<4.0	10.6	---	50	8/31/2022	NA	9/15/2016
MW-80	selenium	9/4/2019	<4.0	10.6	---	50	8/31/2022	NA	9/15/2016
MW-80	selenium	3/26/2020	<4.0	10.6	---	50	8/31/2022	NA	9/15/2016
MW-80	selenium	9/15/2020	<4.0	10.6	---	50	8/31/2022	NA	9/15/2016
MW-80	selenium	3/2/2021	<4.0	10.6	---	50	8/31/2022	NA	9/15/2016
MW-80	selenium	9/7/2021	<4.0	10.6	---	50	8/31/2022	NA	9/15/2016
MW-80	selenium	3/24/2022	<4.0	10.6	---	50	8/31/2022	NA	9/15/2016
MW-80	selenium	8/31/2022	31.60	10.6	0.000	50	8/31/2022	NA	9/15/2016
MW-80	selenium	3/2/2023	<4.0	10.6	0.000	50	8/31/2022	NA	9/15/2016
MW-80	selenium	9/12/2023	<4.0	10.6	0.000	50	8/31/2022	NA	9/15/2016
MW-80	selenium	3/4/2024	<4.0	10.6	0.000	50	8/31/2022	NA	9/15/2016
MW-80	selenium	9/23/2024	<4.0	10.6	2.000	50	8/31/2022	NA	9/15/2016
MW-80	selenium	3/12/2025	<4.0	10.6	2.000	50	8/31/2022	NA	9/15/2016
MW-80	selenium	9/3/2025	<2.0	10.6	2.000	50	8/31/2022	NA	9/15/2016

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

Table 8 - Summary of Ongoing and Newly Identified SSL – **not required**

Table 9 – Analytical Data Summary

Table 9

Analytical Data Summary for MW-36

Constituents	Units	9/24/2014	3/11/2015	9/17/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018	9/11/2018
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	150.0	127.0	137.0	131.0	138.0	132.0	151.0	126.0	97.3
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.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	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	13.1	<8.0	<8.0	<8.0	<8.0	<8.0	<20.0	<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-36

Constituents	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022	3/2/2023	3/28/2023
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1		<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1		<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1		<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1		<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1		<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1		<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1		<1
1,2-dibromo-3-chloropropane	<1	<1	<5	<5	<5	<5	<5	<5		<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1		<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1		<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1		<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1		<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1		<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<10	<10		<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5		<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5		<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10		<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5		<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	
Barium, total	137.0	151.0	88.7	149.0	83.7	160.0	119.0	140.0	120.0	
Benzene	<1	<1	<1	<1	<1	<1	<1	<1		<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1		<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1		<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1		<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1		<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1		<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1		<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1		<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1		<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1		<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1		<1
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8	
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1		<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1		<1
Cobalt, total	<.8	<.8	<.8	<.4	.8	.4	<.4	<.4	<.4	
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1		<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1		<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1		<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1		<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5		<5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	5.1	<4.0	<4.0	<4.0	
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	
Styrene	<1	<1	<1	<1	<1	<1	<1	<1		<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1		<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Toluene	<1	<1	<1	<1	<1	<1	<1	<1		<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1		<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1		<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5		<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1		<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1		<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5		<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1		<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2		<2
Zinc, total	<20.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	

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

Table 9

Analytical Data Summary for MW-36

Constituents	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<1
Arsenic, total	<4	<4	<4	<4	<2
Barium, total	104.0	128.0	125.0	76.3	153.0
Benzene	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<.5
Bromochloromethane	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.2
Carbon disulfide	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1
Chromium, total	<8	<8	<8	<8	1
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1
Cobalt, total	<.4	<.4	<.4	<.4	<.5
Copper, total	<4	<4	<4	<4	<5
Dibromochloromethane	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<1
Methyl iodide	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<5.0
Selenium, total	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<5
Styrene	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<.5
Toluene	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	11.4

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

Table 9

Analytical Data Summary for MW-39

Constituents	Units	9/24/2014	12/5/2014	3/11/2015	6/16/2015	9/17/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	60.6	139.0	136.0	148.0	128.0	123.0	103.0	129.0	117.0
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.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	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	6.4	<4.0	<4.0
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	2.4	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<20.0

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

Table 9

Analytical Data Summary for MW-39

Constituents	3/19/2018	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	131.0	114.0	121.0	138.0	150.0	136.0	125.0	141.0	137.0
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	<.8	<.4	.8	<.4	<.4
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	<20.0	24.6	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-39

Constituents	8/31/2022	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<1
Arsenic, total	<4	<4	<4	<4	<4	<4	<2
Barium, total	132.0	134.0	133.0	128.0	119.0	135.0	131.0
Benzene	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8	<8	<8	<8	<8	<8	<1
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	.8	<.4	<.4	<.4	<.4	<.4	<.5
Copper, total	<4	<4	<4	<4	<4	<4	<5
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<1
Methyl iodide	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4	<4	<4	<4	<4	<4	<5
Selenium, total	<4	<4	<4	<4	<4	<4	<2
Silver, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0
Styrene	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5
Toluene	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<5.0

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

Table 9

Analytical Data Summary for MW-41

Constituents	Units	9/24/2014	3/11/2015	9/16/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018
(3,4)-methylphenol	ug/L		<8						
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	19.3	23.1	24.9	24.1	26.2	24.4	23.4	26.7
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L		<1						
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L		<8						
1,2,4-trichlorobenzene	ug/L		<1						
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-dinitrobenzene	ug/L		<8						
1,3,5-trinitrobenzene	ug/L		<8						
1,3-dichlorobenzene	ug/L		<1						
1,3-dichloropropane	ug/L		<1						
1,3-dinitrobenzene	ug/L		<8						
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L		<8						
1,4-phenylenediamine	ug/L		<8						
1-naphthylamine	ug/L		<8						
2,2-dichloropropane	ug/L		<1						
2,3,4,6-tetrachlorophenol	ug/L		<8						
2,4,5-t	ug/L		<5						
2,4,5-tp (silvex)	ug/L		<5						
2,4,5-trichlorophenol	ug/L		<8						
2,4,6-trichlorophenol	ug/L		<8						
2,4-d	ug/L		<2						
2,4-dichlorophenol	ug/L		<8						
2,4-dimethylphenol	ug/L		<8						
2,4-dinitrophenol	ug/L		<8						
2,4-dinitrotoluene	ug/L		<8						
2,6-dichlorophenol	ug/L		<8						
2,6-dinitrotoluene	ug/L		<8						
2-acetylaminofluorene	ug/L		<8						
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L		<8						
2-chlorophenol	ug/L		<8						
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L		<8						
2-methylphenol (o-cresol)	ug/L		<8						
2-naphthylamine	ug/L		<8						
2-nitroaniline	ug/L		<8						
2-nitrophenol	ug/L		<8						
3,3'-dichlorobenzidine	ug/L		<8						
3,3-dimethylbenzidine	ug/L		<8						
3-methylcholanthrene	ug/L		<8						
3-nitroaniline	ug/L		<8						
4,4'-ddd	ug/L		<.05						
4,4'-dde	ug/L		<.05						
4,4'-ddt	ug/L		<.05						
4,6-dinitro-2-methylphenol	ug/L		<8						
4-aminobiphenyl	ug/L		<8						
4-bromophenyl phenyl ether	ug/L		<8						
4-chloro-3-methylphenol	ug/L		<8						
4-chloroaniline	ug/L		<8						
4-chlorophenyl phenyl ether	ug/L		<8						
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L		<8						
4-nitrophenol	ug/L		<8						
5-nitro-o-toluidine	ug/L		<8						
7,12-dimethylbenz [a] anthracene	ug/L		<8						
Acenaphthene	ug/L		<8						
Acenaphthylene	ug/L		<8						
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L		<10						
Acetophenone	ug/L		<8						
Acrolein	ug/L		<10						
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L		<.05						
Allyl chloride	ug/L		<1						
Alpha-bhc	ug/L		<.05						
Anthracene	ug/L		<8						

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

Table 9

Analytical Data Summary for MW-41

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022
(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	24.6	24.6	26.3	30.8	25.8	24.5	24.4	25.1	22.0
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene				<1					
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene				<8					
1,2,4-trichlorobenzene				<1					
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-dinitrobenzene				<8					
1,3,5-trinitrobenzene				<8					
1,3-dichlorobenzene				<1					
1,3-dichloropropane				<1					
1,3-dinitrobenzene				<8					
1,4-dichlorobenzene	<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)				<8					
2,4,5-trichlorophenol				<8					
2,4,6-trichlorophenol				<8					
2,4-d				<8					
2,4-dichlorophenol				<8					
2,4-dimethylphenol				<8					
2,4-dinitrophenol				<8					
2,4-dinitrotoluene				<8					
2,6-dichlorophenol				<8					
2,6-dinitrotoluene				<8					
2-acetylaminofluorene				<8					
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<10
2-chloronaphthalene				<8					
2-chlorophenol				<8					
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene				<8					
2-methylphenol (o-cresol)				<8					
2-naphthylamine				<8					
2-nitroaniline				<8					
2-nitrophenol				<8					
3,3'-dichlorobenzidine				<8					
3,3-dimethylbenzidine				<8					
3-methylcholanthrene				<8					
3-nitroaniline				<8					
4,4'-ddd				<.05					
4,4'-dde				<.05					
4,4'-ddt				<.05					
4,6-dinitro-2-methylphenol				<8					
4-aminobiphenyl				<8					
4-bromophenyl phenyl ether				<8					
4-chloro-3-methylphenol				<8					
4-chloroaniline				<8					
4-chlorophenyl phenyl ether				<8					
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline				<8					
4-nitrophenol				<8					
5-nitro-o-toluidine				<8					
7,12-dimethylbenz [a] anthracene				<8					
Acenaphthene				<8					
Acenaphthylene				<8					
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile				<10					
Acetophenone				<8					
Acrolein				<10					
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin				<.05					
Allyl chloride				<1					
Alpha-bhc				<.05					
Anthracene				<8					

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

Table 9

Analytical Data Summary for MW-41

Constituents	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
(3,4)-methylphenol					<8	
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	23.9	23.0	19.0	22.0	19.5	21.0
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1
1,1-dichloropropene					<1	
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					<8	
1,2,4-trichlorobenzene					<1	
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<1	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	1.0	<1.0	<1.0	1.0	<1.0	1.2
1,2-dinitrobenzene					<8	
1,3,5-trinitrobenzene					<8	
1,3-dichlorobenzene					<1	
1,3-dichloropropane					<1	
1,3-dinitrobenzene					<8	
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone					<8	
1,4-phenylenediamine					<8	
1-naphthylamine					<8	
2,2-dichloropropane					<1	
2,3,4,6-tetrachlorophenol					<8	
2,4,5-t					<5	
2,4,5-tp (silvex)					<5	
2,4,5-trichlorophenol					<8	
2,4,6-trichlorophenol					<8	
2,4-d					<2	
2,4-dichlorophenol					<8	
2,4-dimethylphenol					<8	
2,4-dinitrophenol					<8	
2,4-dinitrotoluene					<8	
2,6-dichlorophenol					<8	
2,6-dinitrotoluene					<8	
2-acetylaminofluorene					<8	
2-butanone (mek)	<10	<10	<10	<10	<5	<10
2-chloronaphthalene					<8	
2-chlorophenol					<8	
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
2-methylnaphthalene					<8	
2-methylphenol (o-cresol)					<8	
2-naphthylamine					<8	
2-nitroaniline					<8	
2-nitrophenol					<8	
3,3'-dichlorobenzidine					<8	
3,3-dimethylbenzidine					<8	
3-methylcholanthrene					<8	
3-nitroaniline					<8	
4,4'-ddd					<.05	
4,4'-dde					<.05	
4,4'-ddt					<.05	
4,6-dinitro-2-methylphenol					<8	
4-aminobiphenyl					<8	
4-bromophenyl phenyl ether					<8	
4-chloro-3-methylphenol					<8	
4-chloroaniline					<8	
4-chlorophenyl phenyl ether					<8	
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5
4-nitroaniline					<8	
4-nitrophenol					<8	
5-nitro-o-toluidine					<8	
7,12-dimethylbenz [a] anthracene					<8	
Acenaphthene					<8	
Acenaphthylene					<8	
Acetone	<10	<10	<10	<10	<10	<10
Acetonitrile					<10	
Acetophenone					<8	
Acrolein					<10	
Acrylonitrile	<5	<5	<5	<5	<5	<5
Aldrin					<.05	
Allyl chloride					<1	
Alpha-bhc					<.05	
Anthracene					<8	

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

Table 9

Analytical Data Summary for MW-41

Constituents	Units	9/24/2014	3/11/2015	9/16/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L		<1						
Arochlor 1221	ug/L		<2						
Arochlor 1232	ug/L		<2						
Arochlor 1242	ug/L		<2						
Arochlor 1248	ug/L		<2						
Arochlor 1254	ug/L		<1						
Arochlor 1260	ug/L		<1						
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene	ug/L		<8						
Barium, total	ug/L	77.2	80.3	78.3	84.5	79.1	79.5	82.6	80.7
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L		<8						
Benzo(a)pyrene	ug/L		<8						
Benzo(b)fluoranthene	ug/L		<8						
Benzo(g,h,i)perylene	ug/L		<8						
Benzo(k)fluoranthene	ug/L		<8						
Benzyl alcohol	ug/L		<8						
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L		<.05						
Bis (2-chloroethoxy) methane	ug/L		<8						
Bis(2-chloroethyl) ether	ug/L		<8						
Bis(2-ethylhexyl) phthalate	ug/L	<10	<8	10	<10	<10	<10	<6	
Bis[2-chloroisopropyl]ether	ug/L		<8						
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L		<8						
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L		<1						
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L		<8						
Chloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L		<1						
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L		<8						
Cis-1,2-dichloroethylene	ug/L	1.4	2.0	2.3	2.5	2.7	2.7	2.2	2.2
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Cyanide, total	mg/L		<.005						
Delta-bhc	ug/L		<.05						
Diallate	ug/L		<8						
Dibenzo(a,h)anthracene	ug/L		<8						
Dibenzofuran	ug/L		<8						
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L		<1						
Dieldrin	ug/L		<.05						
Diethyl phthalate	ug/L		<8						
Dimethoate	ug/L		<.4						
Dimethylphthalate	ug/L		<8						
Di-n-butyl phthalate	ug/L		<8						
Di-n-octyl phthalate	ug/L		<8						
Dinoseb	ug/L		<.5						
Diphenylamine	ug/L		<8						
Disulfoton	ug/L		<.4						
Endosulfan i	ug/L		<.05						
Endosulfan ii	ug/L		<.05						
Endosulfan sulfate	ug/L		<.05						
Endrin	ug/L		<.05						
Endrin aldehyde	ug/L		<.05						
Ethyl methacrylate	ug/L		<10						
Ethyl methanesulfonate	ug/L		<8						
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L		<.4						
Fluoranthene	ug/L		<8						
Fluorene	ug/L		<8						
Gamma-bhc [lindane]	ug/L		<.05						
Heptachlor	ug/L		<.05						
Heptachlor epoxide	ug/L		<.05						
Hexachlorobenzene	ug/L		<.05						

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

Table 9

Analytical Data Summary for MW-41

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022
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	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene				<8					
Barium, total	75.1	84.1	89.6	88.9	85.1	80.9	82.0	84.4	84.2
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene				<8					
Benzo(a)pyrene				<8					
Benzo(b)fluoranthene				<8					
Benzo(g,h,i)perylene				<8					
Benzo(k)fluoranthene				<8					
Benzyl alcohol				<8					
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc				<.05					
Bis (2-chloroethoxy) methane				<8					
Bis(2-chloroethyl) ether				<8					
Bis(2-ethylhexyl) phthalate				8	<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
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane				<.1					
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate				<8					
Chloroethane	<1.0	1.1	<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-dichloroethylene	2.6	3.9	3.9	5.3	5.0	4.6	4.9	4.9	4.0
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	<.4	1.1	<.4	<.4	<.4
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Cyanide, total				<.005					
Delta-bhc				<.05					
Diallate				<8					
Dibenzo(a,h)anthracene				<8					
Dibenzofuran				<8					
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane				<1					
Dieldrin				<.05					
Diethyl phthalate				<8					
Dimethoate				<.4					
Dimethylphthalate				<8					
Di-n-butyl phthalate				<8					
Di-n-octyl phthalate				<8					
Dinoseb				<.5					
Diphenylamine				<8					
Disulfoton				<.4					
Endosulfan i				<.05					
Endosulfan ii				<.05					
Endosulfan sulfate				<.05					
Endrin				<.05					
Endrin aldehyde				<.05					
Ethyl methacrylate				<10					
Ethyl methanesulfonate				<8					
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur				<.4					
Fluoranthene				<8					
Fluorene				<8					
Gamma-bhc [lindane]				<.05					
Heptachlor				<.05					
Heptachlor epoxide				<.05					
Hexachlorobenzene				<.05					

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

Table 9

Analytical Data Summary for MW-41

Constituents	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Antimony, total	<2	<2	<2	<2	<2	<1
Arochlor 1016					<2	
Arochlor 1221					<2	
Arochlor 1232					<2	
Arochlor 1242					<2	
Arochlor 1248					<2	
Arochlor 1254					<2	
Arochlor 1260					<2	
Arsenic, total	<4	<4	<4	<4	<4	<2
Azobenzene					<8	
Barium, total	69.9	72.9	71.2	69.4	73.1	80.4
Benzene	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene					<8	
Benzo(a)pyrene					<8	
Benzo(b)fluoranthene					<8	
Benzo(g,h,i)perylene					<8	
Benzo(k)fluoranthene					<8	
Benzyl alcohol					<8	
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<.5
Beta-bhc					<.05	
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
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate					<8	
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chlordane					<1	
Chlorobenzene	<1	<1	<1	<1	<1	<1
Chlorobenzilate					<8	
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chloroprene					<1	
Chromium, total	<8	<8	<8	<8	<8	1
Chrysene					<8	
Cis-1,2-dichloroethylene	4.1	3.6	2.4	3.1	3.3	4.4
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	<.4	<.4	<.4	<.4	<.4	<.5
Copper, total	<4	<4	<4	<4	<4	<5
Cyanide, total					<.010	
Delta-bhc					<.05	
Diallate					<8	
Dibenzo(a,h)anthracene					<8	
Dibenzofuran					<8	
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane					<1	
Dieldrin					<.05	
Diethyl phthalate					<8	
Dimethoate					<.4	
Dimethylphthalate					<8	
Di-n-butyl phthalate					<8	
Di-n-octyl phthalate					<8	
Dinoseb					<.5	
Diphenylamine					<8	
Disulfoton					<.4	
Endosulfan i					<.05	
Endosulfan ii					<.05	
Endosulfan sulfate					<.05	
Endrin					<.05	
Endrin aldehyde					<.05	
Ethyl methacrylate					<10	
Ethyl methanesulfonate					<8	
Ethylbenzene	<1	<1	<1	<1	<1	<1
Famphur					<.4	
Fluoranthene					<8	
Fluorene					<8	
Gamma-bhc [lindane]					<.05	
Heptachlor					<.05	
Heptachlor epoxide					<.05	
Hexachlorobenzene					<.05	

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

Table 9

Analytical Data Summary for MW-41

Constituents	Units	9/24/2014	3/11/2015	9/16/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018
Hexachlorobutadiene	ug/L		<8						
Hexachlorocyclopentadiene	ug/L		<8						
Hexachloroethane	ug/L		<8						
Hexachloropropene	ug/L		<8						
Indeno(1,2,3-cd)pyrene	ug/L		<8						
Isobutanol	ug/L		<1000						
Isodrin	ug/L		<8						
Isophorone	ug/L		<8						
Isosafrole	ug/L		<8						
Kepone	ug/L		<8						
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L		<.5						
Methacrylonitrile	ug/L		<1						
Methapyrilene	ug/L		<8						
Methoxychlor	ug/L		<.05						
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L		<1						
Methyl methanesulfonate	ug/L		<8						
Methyl parathion	ug/L		<.4						
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L		<8						
Nickel, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Nitrobenzene	ug/L		<8						
N-nitrosodiethylamine	ug/L		<8						
N-nitrosodimethylamine	ug/L		<8						
N-nitrosodi-n-butylamine	ug/L		<8						
N-nitroso-di-n-propylamine	ug/L		<8						
N-nitrosodiphenylamine	ug/L		<8						
N-nitrosomethylethylamine	ug/L		<8						
N-nitrosopiperidine	ug/L		<8						
N-nitrosopyrrolidine	ug/L		<8						
O,o,o-triethyl phosphorothioate	ug/L		<.4						
O-toluidine	ug/L		<8						
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						
Pronamide	ug/L		<8						
Propionitrile	ug/L		<10						
Pyrene	ug/L		<8						
Safrole	ug/L		<8						
Selenium, total	ug/L	5.4	5.9	6.1	7.0	5.3	6.6	4.7	<4.0
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L		<1						
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L		<.4						
Tin, total	ug/L		<20						
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L		<.2						
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	11.2	11.9	8.3	<8.0	12.5	<8.0	<20.0	<8.0

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

Table 9

Analytical Data Summary for MW-41

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022
Hexachlorobutadiene				<8					
Hexachlorocyclopentadiene				<8					
Hexachloroethane				<8					
Hexachloropropene				<8					
Indeno(1,2,3-cd)pyrene				<8					
Isobutanol				<1000					
Isodrin				<8					
Isophorone				<8					
Isosafrole				<8					
Kepone				<8					
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total				<.5					
Methacrylonitrile				<1					
Methapyrene				<8					
Methoxychlor				<.05					
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate				<1					
Methyl methanesulfonate				<8					
Methyl parathion				<.4					
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene				<8					
Nickel, total	<4	<4	<4	<4	<4	<4	<4	<4	<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					
Pronamide				<8					
Propionitrile				<10					
Pyrene				<8					
Safrole				<8					
Selenium, total	4.7	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	<8	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total				<.1					
Tetrachloroethylene	1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin				<.4					
Tin, total				<20					
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene				<.2					
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	24.9	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-41

Constituents	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Hexachlorobutadiene					<8	
Hexachlorocyclopentadiene					<8	
Hexachloroethane					<8	
Hexachloropropene					<8	
Indeno(1,2,3-cd)pyrene					<8	
Isobutanol					<1000	
Isodrin					<8	
Isophorone					<8	
Isosafrole					<8	
Kepone					<8	
Lead, total	<4	<4	<4	<4	<4	<1
Mercury, total					<.5	
Methacrylonitrile					<1	
Methapyrilene					<8	
Methoxychlor					<.05	
Methyl iodide	<1	<1	<1	<1	<2	<1
Methyl methacrylate					<1	
Methyl methanesulfonate					<8	
Methyl parathion					<.4	
Methylene chloride	<5	<5	<5	<5	<5	<5
Naphthalene					<8	
Nickel, total	<4	<4	<4	<4	<4	<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	
Pronamide					<8	
Propionitrile					<10	
Pyrene					<8	
Safrole					<8	
Selenium, total	<4.0	<4.0	<4.0	<4.0	<4.0	2.6
Silver, total	<4	<4	<4	<4	<4	<5
Styrene	<1	<1	<1	<1	<1	<1
Sulfide, total					<.1	
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5
Thionazin					<.4	
Tin, total					<20	
Toluene	<1	<1	<1	<1	<1	<1
Toxaphene					<.2	
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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	9.8

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

Table 9

Analytical Data Summary for MW-42

Constituents	Units	9/24/2014	3/11/2015	3/22/2016	9/15/2016	10/31/2016	3/23/2017	9/8/2017	3/19/2018
(3,4)-methylphenol	ug/L						<.8		<.8
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1		<1	<1	<1
1,1-dichloropropene	ug/L						<1		<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L						<.8		<.8
1,2,4-trichlorobenzene	ug/L						<1		<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1		<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,2-dinitrobenzene	ug/L						<.8		<.8
1,3,5-trinitrobenzene	ug/L						<.8		<.8
1,3-dichlorobenzene	ug/L						<1		<1
1,3-dichloropropane	ug/L						<.8		<.8
1,3-dinitrobenzene	ug/L						<.8		<.8
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1		<1	<1	<1
1,4-naphthoquinone	ug/L						<.8		<.8
1,4-phenylenediamine	ug/L						<.8		<.8
1-naphthylamine	ug/L						<.8		<.8
2,2-dichloropropane	ug/L						<1		<1
2,3,4,6-tetrachlorophenol	ug/L						<.8		<.8
2,4,5-t	ug/L						<.5		5.0
2,4,5-tp (silvex)	ug/L						<.5		<.5
2,4,5-trichlorophenol	ug/L						<.8		<.8
2,4,6-trichlorophenol	ug/L						<.8		<.8
2,4-d	ug/L						<.2		<.2
2,4-dichlorophenol	ug/L						<.8		<.8
2,4-dimethylphenol	ug/L						<.8		<.8
2,4-dinitrophenol	ug/L						<.8		<.8
2,4-dinitrotoluene	ug/L						<.8		<.8
2,6-dichlorophenol	ug/L						<.8		<.8
2,6-dinitrotoluene	ug/L						<.8		<.8
2-acetylaminofluorene	ug/L						<.8		<.8
2-butanone (mek)	ug/L	<5	<5	<5	<5		<.5	<5	<.5
2-Chloroethyl Vinyl Ether	ug/L						<.8		<.8
2-chloronaphthalene	ug/L						<.8		<.8
2-chlorophenol	ug/L						<.8		<.8
2-hexanone (mbk)	ug/L	<5	<5	<5	<5		<.5	<5	<.5
2-methylnaphthalene	ug/L						<.8		<.8
2-methylphenol (o-cresol)	ug/L						<.8		<.8
2-naphthylamine	ug/L						<.8		<.8
2-nitroaniline	ug/L						<.8		<.8
2-nitrophenol	ug/L						<.8		<.8
3,3'-dichlorobenzidine	ug/L						<.8		<.8
3,3-dimethylbenzidine	ug/L						<.8		<.8
3-methylcholanthrene	ug/L						<.8		<.8
3-nitroaniline	ug/L						<.8		<.8
4,4'-ddd	ug/L						<.05		<.05
4,4'-dde	ug/L						<.05		<.05
4,4'-ddt	ug/L						<.05		<.05
4,6-dinitro-2-methylphenol	ug/L						<.8		<.8
4-aminobiphenyl	ug/L						<.8		<.8
4-bromophenyl phenyl ether	ug/L						<.8		<.8
4-chloro-3-methylphenol	ug/L						<.8		<.8
4-chloroaniline	ug/L						<.8		<.8
4-chlorophenyl phenyl ether	ug/L						<.8		<.8
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5		<.5	<5	<.5
4-nitroaniline	ug/L						<.8		<.8
4-nitrophenol	ug/L						<.8		<.8
5-nitro-o-toluidine	ug/L						<.8		<.8
7,12-dimethylbenz [a] anthracene	ug/L						<.8		<.8
Acenaphthene	ug/L						<.8		<.8
Acenaphthylene	ug/L						<.8		<.8
Acetone	ug/L	<10	<10	<10	<10		<10	<10	<10
Acetonitrile	ug/L						<10		<10
Acetophenone	ug/L						<.8		<.8
Acrolein	ug/L						<10		<10
Acrylonitrile	ug/L	<5	<5	<5	<5		<.5	<5	<.5
Aldrin	ug/L						<.05		<.05
Allyl chloride	ug/L						<1		<1
Alpha-bhc	ug/L						<.05		<.05

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

Table 9

Analytical Data Summary for MW-42

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022
(3,4)-methylphenol									
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene									
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene									
1,2,4-trichlorobenzene									
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene									
1,3,5-trinitrobenzene									
1,3-dichlorobenzene									
1,3-dichloropropane									
1,3-dinitrobenzene									
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone									
1,4-phenylenediamine									
1-naphthylamine									
2,2-dichloropropane									
2,3,4,6-tetrachlorophenol									
2,4,5-t		<5	<5						
2,4,5-tp (silvex)		<5							
2,4,5-trichlorophenol									
2,4,6-trichlorophenol									
2,4-d		<2							
2,4-dichlorophenol									
2,4-dimethylphenol									
2,4-dinitrophenol									
2,4-dinitrotoluene									
2,6-dichlorophenol									
2,6-dinitrotoluene									
2-acetylaminofluorene									
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<10
2-Chloroethyl Vinyl Ether									
2-chloronaphthalene									
2-chlorophenol									
2-hexanone (mbk)	<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 (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline									
4-nitrophenol									
5-nitro-o-toluidine									
7,12-dimethylbenz [a] anthracene									
Acenaphthene									
Acenaphthylene									
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin									
Allyl chloride									
Alpha-bhc									

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

Table 9

Analytical Data Summary for MW-42

Constituents	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
(3,4)-methylphenol	<8					
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	<1					
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	<8					
1,2,4-trichlorobenzene	<1					
1,2-dibromo-3-chloropropane	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	<8					
1,3,5-trinitrobenzene	<8					
1,3-dichlorobenzene	<1					
1,3-dichloropropane	<1					
1,3-dinitrobenzene	<8					
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	<8					
1,4-phenylenediamine	<8					
1-naphthylamine	<8					
2,2-dichloropropane	<1					
2,3,4,6-tetrachlorophenol	<8					
2,4,5-t	<5					
2,4,5-tp (silvex)	<5					
2,4,5-trichlorophenol	<8					
2,4,6-trichlorophenol	<8					
2,4-d	<2					
2,4-dichlorophenol	<8					
2,4-dimethylphenol	<8					
2,4-dinitrophenol	<8					
2,4-dinitrotoluene	<8					
2,6-dichlorophenol	<8					
2,6-dinitrotoluene	<8					
2-acetylaminofluorene	<8					
2-butanone (mek)	<5	<10	<10	<10	<10	<10
2-Chloroethyl Vinyl Ether	<2					
2-chloronaphthalene	<8					
2-chlorophenol	<8					
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	<8					
2-methylphenol (o-cresol)	<8					
2-naphthylamine	<8					
2-nitroaniline	<8					
2-nitrophenol	<8					
3,3'-dichlorobenzidine	<8					
3,3-dimethylbenzidine	<8					
3-methylcholanthrene	<8					
3-nitroaniline	<8					
4,4'-ddd	<.05					
4,4'-dde	<.05					
4,4'-ddt	<.05					
4,6-dinitro-2-methylphenol	<8					
4-aminobiphenyl	<8					
4-bromophenyl phenyl ether	<8					
4-chloro-3-methylphenol	<8					
4-chloroaniline	<8					
4-chlorophenyl phenyl ether	<8					
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5
4-nitroaniline	<8					
4-nitrophenol	<8					
5-nitro-o-toluidine	<8					
7,12-dimethylbenz [a] anthracene	<8					
Acenaphthene	<8					
Acenaphthylene	<8					
Acetone	<10	<10	<10	<10	<10	<10
Acetonitrile	<10					
Acetophenone	<8					
Acrolein	<10					
Acrylonitrile	<5	<5	<5	<5	<5	<5
Aldrin	<.05					
Allyl chloride	<1					
Alpha-bhc	<.05					

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

Table 9

Analytical Data Summary for MW-42

Constituents	Units	9/24/2014	3/11/2015	3/22/2016	9/15/2016	10/31/2016	3/23/2017	9/8/2017	3/19/2018
Anthracene	ug/L						<.8		<.8
Antimony, total	ug/L	<2	<2	<2	<2		<2	<2	<2
Arochlor 1016	ug/L						<.1		<.1
Arochlor 1221	ug/L						<.2		<.2
Arochlor 1232	ug/L						<.2		<.2
Arochlor 1242	ug/L						<.2		<.2
Arochlor 1248	ug/L						<.2		<.2
Arochlor 1254	ug/L						<.1		<.1
Arochlor 1260	ug/L						<.1		<.1
Arsenic, total	ug/L	<4	<4	<4	<4		<.4	<4	<.4
Azobenzene	ug/L						<.8		<.8
Barium, total	ug/L	26.1	26.0	24.0	26.6		23.6	25.5	21.3
Benzene	ug/L	<1	<1	<1	<1		<1	<1	<1
Benzo(a)anthracene	ug/L						<.8		<.8
Benzo(a)pyrene	ug/L						<.8		<.8
Benzo(b)fluoranthene	ug/L						<.8		<.8
Benzo(g,h,i)perylene	ug/L						<.8		<.8
Benzo(k)fluoranthene	ug/L						<.8		<.8
Benzyl alcohol	ug/L						<.8		<.8
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0
Beta-bhc	ug/L						<.05		<.05
Bis (2-chloroethoxy) methane	ug/L						<.8		<.8
Bis(2-chloroethyl) ether	ug/L						<.8		<.8
Bis(2-ethylhexyl) phthalate	ug/L						<.8		<.6
Bis[2-chloroisopropyl]ether	ug/L						<.8		<.8
Bromochloromethane	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Bromodichloromethane	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Bromoform	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Bromomethane	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Butyl benzyl phthalate	ug/L						<.8		<.8
Cadmium, total	ug/L	<.8	<.8	<.8	<.8		<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Carbon tetrachloride	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Chlordane	ug/L						<.1		<.1
Chlorobenzene	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Chlorobenzilate	ug/L						<.8		<.8
Chloroethane	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Chloroform	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Chloromethane	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Chloroprene	ug/L						<.1		<.1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0		<8.0	<8.0	<8.0
Chrysene	ug/L						<.8		<.8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Cobalt, total	ug/L	1.4	1.6	<.8	4.8	4.8	<.8	4.0	<.8
Copper, total	ug/L	<4	<4	<4	<4		<.4	<4	<.4
Cyanide, total	mg/L						<.005		<.005
Delta-bhc	ug/L						<.05		<.05
Diallate	ug/L						<.8		<.8
Dibenzo(a,h)anthracene	ug/L						<.8		<.8
Dibenzofuran	ug/L						<.8		<.8
Dibromochloromethane	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Dibromomethane	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Dichlorodifluoromethane	ug/L						<.1		<.1
Dieldrin	ug/L						<.05		<.05
Diethyl phthalate	ug/L						<.8		<.8
Dimethoate	ug/L						<.4		<.4
Dimethylphthalate	ug/L						<.8		<.8
Di-n-butyl phthalate	ug/L						<.8		<.8
Di-n-octyl phthalate	ug/L						<.8		<.8
Dinoseb	ug/L						<.5		<.5
Diphenylamine	ug/L						<.8		<.8
Disulfoton	ug/L						<.4		<.4
Endosulfan i	ug/L						<.05		<.05
Endosulfan ii	ug/L						<.05		<.05
Endosulfan sulfate	ug/L						<.05		<.05
Endrin	ug/L						<.05		<.05
Endrin aldehyde	ug/L						<.05		<.05
Ethyl methacrylate	ug/L						<10		<10
Ethyl methanesulfonate	ug/L						<.8		<.8
Ethylbenzene	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Famphur	ug/L						<.4		<.4
Fluoranthene	ug/L						<.8		<.8
Fluorene	ug/L						<.8		<.8
Gamma-bhc [lindane]	ug/L						<.05		<.05
Heptachlor	ug/L						<.05		<.05
Heptachlor epoxide	ug/L						<.05		<.05

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

Table 9

Analytical Data Summary for MW-42

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022
Anthracene									
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	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene									
Barium, total	21.6	29.3	23.3	27.8	22.3	17.6	20.9	21.0	18.8
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene									
Benzo(a)pyrene									
Benzo(b)fluoranthene									
Benzo(g,h,i)perylene									
Benzo(k)fluoranthene									
Benzyl alcohol									
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc									
Bis (2-chloroethoxy) methane									
Bis(2-chloroethyl) ether									
Bis(2-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	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane									
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate									
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene									
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene									
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	1.7	<.8	4.5	2.1	2.9	.7	1.0	.4	1.5
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Cyanide, total									
Delta-bhc									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethylphthalate									
Di-n-butyl phthalate									
Di-n-octyl phthalate									
Dinoseb		<.5							
Diphenylamine									
Disulfoton									
Endosulfan i									
Endosulfan ii									
Endosulfan sulfate									
Endrin									
Endrin aldehyde									
Ethyl methacrylate									
Ethyl methanesulfonate									
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur									
Fluoranthene									
Fluorene									
Gamma-bhc [lindane]									
Heptachlor									
Heptachlor epoxide									

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

Table 9

Analytical Data Summary for MW-42

Constituents	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Anthracene	<8					
Antimony, total	<2	<2	<2	<2	<2	<1
Arochlor 1016	<1					
Arochlor 1221	<2					
Arochlor 1232	<2					
Arochlor 1242	<2					
Arochlor 1248	<2					
Arochlor 1254	<1					
Arochlor 1260	<1					
Arsenic, total	<4	<4	<4	<4	<4	<2
Azobenzene	<8					
Barium, total	17.3	21.2	19.4	19.3	18.1	25.6
Benzene	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	<8					
Benzo(a)pyrene	<8					
Benzo(b)fluoranthene	<8					
Benzo(g,h,i)perylene	<8					
Benzo(k)fluoranthene	<8					
Benzyl alcohol	<8					
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<.5
Beta-bhc	<.05					
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
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	<8					
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chlordane	<1					
Chlorobenzene	<1	<1	<1	<1	<1	<1
Chlorobenzilate	<8					
Chloroethane	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chloroprene	<1					
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	1.1
Chrysene	<8					
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	.6	4.9	.7	1.6	<.4	<.5
Copper, total	<4	<4	<4	<4	<4	<5
Cyanide, total	<.005					
Delta-bhc	<.05					
Diallate	<8					
Dibenzo(a,h)anthracene	<8					
Dibenzofuran	<8					
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	<1					
Dieldrin	<.05					
Diethyl phthalate	<8					
Dimethoate	<.4					
Dimethylphthalate	<8					
Di-n-butyl phthalate	<8					
Di-n-octyl phthalate	<8					
Dinoseb	<.5					
Diphenylamine	<8					
Disulfoton	<.4					
Endosulfan i	<.05					
Endosulfan ii	<.05					
Endosulfan sulfate	<.05					
Endrin	<.05					
Endrin aldehyde	<.05					
Ethyl methacrylate	<10					
Ethyl methanesulfonate	<8					
Ethylbenzene	<1	<1	<1	<1	<1	<1
Famphur	<.4					
Fluoranthene	<8					
Fluorene	<8					
Gamma-bhc [lindane]	<.05					
Heptachlor	<.05					
Heptachlor epoxide	<.05					

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

Table 9

Analytical Data Summary for MW-42

Constituents	Units	9/24/2014	3/11/2015	3/22/2016	9/15/2016	10/31/2016	3/23/2017	9/8/2017	3/19/2018
Hexachlorobenzene	ug/L						<.05		<.05
Hexachlorobutadiene	ug/L						<.8		<.8
Hexachlorocyclopentadiene	ug/L						<.8		<.8
Hexachloroethane	ug/L						<.8		<.8
Hexachloropropene	ug/L						<.8		<.8
Indeno(1,2,3-cd)pyrene	ug/L						<.8		<.8
Isobutanol	ug/L						<1000		<1000
Isodrin	ug/L						<.8		<.8
Isophorone	ug/L						<.8		<.8
Isosafrole	ug/L						<.8		<.8
Kepone	ug/L						<.8		<.8
Lead, total	ug/L	<4	<4	<4	<4		<.4	<4	<.4
Mercury, total	ug/L						<.5		<.5
Methacrylonitrile	ug/L						<.1		<.1
Methapyrilene	ug/L						<.8		<.8
Methoxychlor	ug/L						<.05		<.05
Methyl iodide	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Methyl methacrylate	ug/L						<.1		<.1
Methyl methanesulfonate	ug/L						<.8		<.8
Methyl parathion	ug/L						<.4		<.4
Methylene chloride	ug/L	<5	<5	<5	<5		<.5	<5	<.5
Naphthalene	ug/L						<.8		<.8
Nickel, total	ug/L	4.2	<4.0	<4.0	<4.0		<.4	<4.0	<.4
Nitrobenzene	ug/L						<.8		<.8
N-nitrosodiethylamine	ug/L						<.8		<.8
N-nitrosodimethylamine	ug/L						<.8		<.8
N-nitrosodi-n-butylamine	ug/L						<.8		<.8
N-nitroso-di-n-propylamine	ug/L						<.8		<.8
N-nitrosodiphenylamine	ug/L						<.8		<.8
N-nitrosomethylethylamine	ug/L						<.8		<.8
N-nitrosopiperidine	ug/L						<.8		<.8
N-nitrosopyrrolidine	ug/L						<.8		<.8
O,o,o-triethyl phosphorothioate	ug/L						<.4		<.4
O-toluidine	ug/L						<.8		<.8
P-(dimethylamino)azobenzene	ug/L						<.8		<.8
Parathion	ug/L						<.4		<.4
Pentachlorobenzene	ug/L						<.8		<.8
Pentachloronitrobenzene (pcnb)	ug/L						<.8		<.8
Pentachlorophenol	ug/L						<.8		<.8
Phenacetin	ug/L						<.8		<.8
Phenanthrene	ug/L						<.8		<.8
Phenol	ug/L						<.8		<.8
Phorate	ug/L						<.4		<.4
Pronamide	ug/L						<.8		<.8
Propionitrile	ug/L						<10		<10
Pyrene	ug/L						<.8		<.8
Safrole	ug/L						<.8		<.8
Selenium, total	ug/L	<4	<4	<4	<4		<.4	<4	<.4
Silver, total	ug/L	<4	<4	<4	<4		<.4	<4	<.4
Styrene	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Sulfide, total	mg/L						<.1		<.1
Tetrachloroethylene	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0		<.4	<4.0	<.4
Thionazin	ug/L						<.4		<.4
Tin, total	ug/L						<20		<20
Toluene	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Toxaphene	ug/L						<.2		<.2
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5		<.5	<5	<.5
Trichloroethylene	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Vanadium, total	ug/L	<20	<20	<20	<20		<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5		<.5	<5	<.5
Vinyl chloride	ug/L	<1	<1	<1	<1		<.1	<1	<.1
Xylenes, total	ug/L	<2	<2	<2	<2		<.2	<2	<.2
Zinc, total	ug/L	9.6	<8.0	<8.0	<8.0		<8.0	<20.0	<8.0

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

Table 9

Analytical Data Summary for MW-42

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022
Hexachlorobenzene									
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene									
Nickel, total	<4.0	<4.0	<4.0	5.2	<4.0	<4.0	4.6	<4.0	5.0
Nitrobenzene									
N-nitrosodiethylamine									
N-nitrosodimethylamine									
N-nitrosodi-n-butylamine									
N-nitroso-di-n-propylamine									
N-nitrosodiphenylamine									
N-nitrosomethylethylamine									
N-nitrosopiperidine									
N-nitrosopyrrolidine									
O,o,o-triethyl phosphorothioate									
O-toluidine									
P-(dimethylamino)azobenzene									
Parathion									
Pentachlorobenzene									
Pentachloronitrobenzene (pcnb)									
Pentachlorophenol									
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<8	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total									
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin									
Tin, total									
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene									
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	22.5	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-42

Constituents	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Hexachlorobenzene	<.05					
Hexachlorobutadiene	<8					
Hexachlorocyclopentadiene	<8					
Hexachloroethane	<8					
Hexachloropropene	<8					
Indeno(1,2,3-cd)pyrene	<8					
Isobutanol	<1000					
Isodrin	<8					
Isophorone	<8					
Isosafrole	<8					
Kepone	<8					
Lead, total	<4	<4	<4	<4	<4	<1
Mercury, total	<.5					
Methacrylonitrile	<1					
Methapyrilene	<8					
Methoxychlor	<.05					
Methyl iodide	<2	<1	<1	<1	<1	<1
Methyl methacrylate	<1					
Methyl methanesulfonate	<8					
Methyl parathion	<4					
Methylene chloride	<5	<5	<5	<5	<5	<5
Naphthalene	<8					
Nickel, total	<4.0	5.3	<4.0	4.8	<4.0	<5.0
Nitrobenzene	<8					
N-nitrosodiethylamine	<8					
N-nitrosodimethylamine	<8					
N-nitrosodi-n-butylamine	<8					
N-nitroso-di-n-propylamine	<8					
N-nitrosodiphenylamine	<8					
N-nitrosomethylethylamine	<8					
N-nitrosopiperidine	<8					
N-nitrosopyrrolidine	<8					
O,o,o-triethyl phosphorothioate	<.4					
O-toluidine	<8					
P-(dimethylamino)azobenzene	<8					
Parathion	<.4					
Pentachlorobenzene	<8					
Pentachloronitrobenzene (pcnb)	<8					
Pentachlorophenol	<8					
Phenacetin	<8					
Phenanthrene	<8					
Phenol	<8					
Phorate	<.4					
Pronamide	<8					
Propionitrile	<10					
Pyrene	<8					
Safrole	<8					
Selenium, total	<4	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<4	<5
Styrene	<1	<1	<1	<1	<1	<1
Sulfide, total	<.1					
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5
Thionazin	<.4					
Tin, total	<20					
Toluene	<1	<1	<1	<1	<1	<1
Toxaphene	<.2					
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<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	12.7

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

Table 9

Analytical Data Summary for MW-44

Constituents	Units	9/25/2014	12/5/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	12/5/2017
(3,4)-methylphenol	ug/L								
1,1,1,2-tetrachloroethane	ug/L					<1		<1	
1,1,1-trichloroethane	ug/L					<1		<1	
1,1,2,2-tetrachloroethane	ug/L					<1		<1	
1,1,2-trichloroethane	ug/L					<1		<1	
1,1-dichloroethane	ug/L					<1		<1	
1,1-dichloroethylene	ug/L					<1		<1	
1,1-dichloropropene	ug/L								
1,2,3-trichloropropane	ug/L					<1		<1	
1,2,4,5-tetrachlorobenzene	ug/L								
1,2,4-trichlorobenzene	ug/L								
1,2-dibromo-3-chloropropane	ug/L					<1		<1	
1,2-dibromoethane	ug/L					<1		<1	
1,2-dichlorobenzene	ug/L					<1		<1	
1,2-dichloroethane	ug/L					<1		<1	
1,2-dichloropropane	ug/L					<1		<1	
1,2-dinitrobenzene	ug/L								
1,3,5-trinitrobenzene	ug/L								
1,3-dichlorobenzene	ug/L								
1,3-dichloropropane	ug/L								
1,3-dinitrobenzene	ug/L								
1,4-dichlorobenzene	ug/L					<1		<1	
1,4-naphthoquinone	ug/L								
1,4-phenylenediamine	ug/L								
1-naphthylamine	ug/L								
2,2-dichloropropane	ug/L								
2,3,4,6-tetrachlorophenol	ug/L								
2,4,5-t	ug/L								
2,4,5-tp (silvex)	ug/L								
2,4,5-trichlorophenol	ug/L								
2,4,6-trichlorophenol	ug/L								
2,4-d	ug/L								
2,4-dichlorophenol	ug/L								
2,4-dimethylphenol	ug/L								
2,4-dinitrophenol	ug/L								
2,4-dinitrotoluene	ug/L								
2,6-dichlorophenol	ug/L								
2,6-dinitrotoluene	ug/L								
2-acetylaminofluorene	ug/L								
2-butanone (mek)	ug/L					<5		<5	
2-chloronaphthalene	ug/L								
2-chlorophenol	ug/L								
2-hexanone (mbk)	ug/L					<5		<5	
2-methylnaphthalene	ug/L								
2-methylphenol (o-cresol)	ug/L								
2-naphthylamine	ug/L								
2-nitroaniline	ug/L								
2-nitrophenol	ug/L								
3,3'-dichlorobenzidine	ug/L								
3,3-dimethylbenzidine	ug/L								
3-methylcholanthrene	ug/L								
3-nitroaniline	ug/L								
4,4'-ddd	ug/L								
4,4'-dde	ug/L								
4,4'-ddt	ug/L								
4,6-dinitro-2-methylphenol	ug/L								
4-aminobiphenyl	ug/L								
4-bromophenyl phenyl ether	ug/L								
4-chloro-3-methylphenol	ug/L								
4-chloroaniline	ug/L								
4-chlorophenyl phenyl ether	ug/L								
4-methyl-2-pentanone (mibk)	ug/L					<5		<5	
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		20	
Acetonitrile	ug/L								
Acetophenone	ug/L								
Acrolein	ug/L								
Acrylonitrile	ug/L					<5		<5	
Aldrin	ug/L								
Alkalinity as cacO3	mg/L	967	776	880	826				
Allyl chloride	ug/L								
Alpha-bhc	ug/L								

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

Table 9

Analytical Data Summary for MW-44

Constituents	3/19/2018	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022
(3,4)-methylphenol			<8		<8				
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene			<1		<1				
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene			<8		<8				
1,2,4-trichlorobenzene			<1		<1				
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene			<8		<8				
1,3,5-trinitrobenzene			<8		<8				
1,3-dichlorobenzene			<1		<1				
1,3-dichloropropane			<1		<1				
1,3-dinitrobenzene			<8		<8				
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone			<8		<8				
1,4-phenylenediamine			<8		<8				
1-naphthylamine			<8		<8				
2,2-dichloropropane			<1		<1				
2,3,4,6-tetrachlorophenol			<8		<8				
2,4,5-t			<.5		<.5				
2,4,5-tp (silvex)			<.5		<.5				
2,4,5-trichlorophenol			<8		<8				
2,4,6-trichlorophenol			<8		<8				
2,4-d			<2		<2				
2,4-dichlorophenol			<8		<8				
2,4-dimethylphenol			<8		<8				
2,4-dinitrophenol			<8		<8				
2,4-dinitrotoluene			<8		<8				
2,6-dichlorophenol			<8		<8				
2,6-dinitrotoluene			<8		<8				
2-acetylaminofluorene			<8		<8				
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-chloronaphthalene			<8		<8				
2-chlorophenol			<8		<8				
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene			<8		<8				
2-methylphenol (o-cresol)			<8		<8				
2-naphthylamine			<8		<8				
2-nitroaniline			<8		<8				
2-nitrophenol			<8		<8				
3,3'-dichlorobenzidine			<8		<8				
3,3-dimethylbenzidine			<8		<8				
3-methylcholanthrene			<8		<8				
3-nitroaniline			<8		<8				
4,4'-ddd			<.05		<.05				
4,4'-dde			<.05		<.05				
4,4'-ddt			<.05		<.05				
4,6-dinitro-2-methylphenol			<8		<8				
4-aminobiphenyl			<8		<8				
4-bromophenyl phenyl ether			<8		<8				
4-chloro-3-methylphenol			<8		<8				
4-chloroaniline			<8		<8				
4-chlorophenyl phenyl ether			<8		<8				
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline			<8		<8				
4-nitrophenol			<8		<8				
5-nitro-o-toluidine			<8		<8				
7,12-dimethylbenz [a] anthracene			<8		<8				
Acenaphthene			<8		<8				
Acenaphthylene			<8		<8				
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile			<10		<10				
Acetophenone			<8		<8				
Acrolein			<10		<10				
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin			<.05		<.05				
Alkalinity as cac03									
Allyl chloride			<1		<1				
Alpha-bhc			<.05		<.05				

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

Table 9

Analytical Data Summary for MW-44

Constituents	8/31/2022	3/2/2023	3/28/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
(3,4)-methylphenol							<8	
1,1,1,2-tetrachloroethane	<1		<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1		<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1		<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1		<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1		<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1		<1	<1	<1	<1	<1	<1
1,1-dichloropropene							<1	
1,2,3-trichloropropane	<1		<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene							<8	
1,2,4-trichlorobenzene							<1	
1,2-dibromo-3-chloropropane	<5		<5	<5	<5	<5	<1	<5
1,2-dibromoethane	<1		<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1		<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1		<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1		<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene							<8	
1,3,5-trinitrobenzene							<8	
1,3-dichlorobenzene							<1	
1,3-dichloropropane							<1	
1,3-dinitrobenzene							<8	
1,4-dichlorobenzene	<1		<1	<1	<1	<1	<1	<1
1,4-naphthoquinone							<8	
1,4-phenylenediamine							<8	
1-naphthylamine							<8	
2,2-dichloropropane							<1	
2,3,4,6-tetrachlorophenol							<8	
2,4,5-t							<.5	
2,4,5-tp (silvex)							<.5	
2,4,5-trichlorophenol							<8	
2,4,6-trichlorophenol							<8	
2,4-d							<2	
2,4-dichlorophenol							<8	
2,4-dimethylphenol							<8	
2,4-dinitrophenol							<8	
2,4-dinitrotoluene							<8	
2,6-dichlorophenol							<8	
2,6-dinitrotoluene							<8	
2-acetylaminofluorene							<8	
2-butanone (mek)	<10		<10	<10	<10	<10	<5	<10
2-chloronaphthalene							<8	
2-chlorophenol							<8	
2-hexanone (mbk)	<5		<5	<5	<5	<5	<5	<5
2-methylnaphthalene							<8	
2-methylphenol (o-cresol)							<8	
2-naphthylamine							<8	
2-nitroaniline							<8	
2-nitrophenol							<8	
3,3'-dichlorobenzidine							<8	
3,3-dimethylbenzidine							<8	
3-methylcholanthrene							<8	
3-nitroaniline							<8	
4,4'-ddd							<.05	
4,4'-dde							<.05	
4,4'-ddt							<.05	
4,6-dinitro-2-methylphenol							<8	
4-aminobiphenyl							<8	
4-bromophenyl phenyl ether							<8	
4-chloro-3-methylphenol							<8	
4-chloroaniline							<8	
4-chlorophenyl phenyl ether							<8	
4-methyl-2-pentanone (mibk)	<5		<5	<5	<5	<5	<5	<5
4-nitroaniline							<8	
4-nitrophenol							<8	
5-nitro-o-toluidine							<8	
7,12-dimethylbenz [a] anthracene							<8	
Acenaphthene							<8	
Acenaphthylene							<8	
Acetone	<10		<10	<10	<10	<10	<10	<10
Acetonitrile							<10	
Acetophenone							<8	
Acrolein							<10	
Acrylonitrile	<5		<5	<5	<5	<5	<5	<5
Aldrin							<.05	
Alkalinity as cac03								
Allyl chloride							<1	
Alpha-bhc							<.05	

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

Table 9

Analytical Data Summary for MW-44

Constituents	Units	9/25/2014	12/5/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	12/5/2017
Anthracene	ug/L								
Antimony, total	ug/L					<2		<2	
Arochlor 1016	ug/L								
Arochlor 1221	ug/L								
Arochlor 1232	ug/L								
Arochlor 1242	ug/L								
Arochlor 1248	ug/L								
Arochlor 1254	ug/L								
Arochlor 1260	ug/L								
Arsenic, total	ug/L					<4.0		5.6	<4.0
Azobenzene	ug/L								
Barium, total	ug/L					129		130	
Benzene	ug/L					<1		<1	
Benzo(a)anthracene	ug/L								
Benzo(a)pyrene	ug/L								
Benzo(b)fluoranthene	ug/L								
Benzo(g,h,i)perylene	ug/L								
Benzo(k)fluoranthene	ug/L								
Benzyl alcohol	ug/L								
Beryllium, total	ug/L					<4.0		<4.0	
Beta-bhc	ug/L								
Bicarbonate, as caco3	mg/L	967	776	880	826				
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					<1		<1	
Bromodichloromethane	ug/L					<1		<1	
Bromoform	ug/L					<1		<1	
Bromomethane	ug/L					<1		<1	
Butyl benzyl phthalate	ug/L								
Cadmium, total	ug/L					<.8		<.8	
Calcium, total	mg/L	212 *	193 *	173 *	166 *				
Carbon disulfide	ug/L					<1.0		<1.0	
Carbon tetrachloride	ug/L					<1		<1	
Chemical oxygen demand	mg/L	63 *	260 *	43 *	39 *		34		
Chlordane	ug/L								
Chloride	mg/L	53.2 *	50.7 *	44.0 *	33.0 *		28.0		
Chlorobenzene	ug/L					<1		<1	
Chlorobenzilate	ug/L								
Chloroethane	ug/L					<1		<1	
Chloroform	ug/L					<1		<1	
Chloromethane	ug/L					<1		<1	
Chloroprene	ug/L								
Chromium, total	ug/L					<8.0		<8.0	
Chrysene	ug/L								
Cis-1,2-dichloroethylene	ug/L					<1		<1	
Cis-1,3-dichloropropene	ug/L					<1		<1	
Cobalt, total	ug/L					6.3		7.3	8.7
Copper, total	ug/L					<4.0		<4.0	
Cyanide, total	mg/L								
Delta-bhc	ug/L								
Diallate	ug/L								
Dibenzo(a,h)anthracene	ug/L								
Dibenzofuran	ug/L								
Dibromochloromethane	ug/L					<1		<1	
Dibromomethane	ug/L					<1		<1	
Dichlorodifluoromethane	ug/L								
Dieldrin	ug/L								
Diethyl phthalate	ug/L								
Dimethoate	ug/L								
Dimethylphthalate	ug/L								
Di-n-butyl phthalate	ug/L								
Di-n-octyl phthalate	ug/L								
Dinoseb	ug/L								
Diphenylamine	ug/L								
Disulfoton	ug/L								
Endosulfan i	ug/L								
Endosulfan ii	ug/L								
Endosulfan sulfate	ug/L								
Endrin	ug/L								
Endrin aldehyde	ug/L								
Ethyl methacrylate	ug/L								
Ethyl methanesulfonate	ug/L								
Ethylbenzene	ug/L					<1		<1	
Famphur	ug/L								
Fluoranthene	ug/L								

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

Table 9

Analytical Data Summary for MW-44

Constituents	3/19/2018	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022
Anthracene			<8		<8				
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016			<.1		<.1				
Arochlor 1221			<.2		<.2				
Arochlor 1232			<.2		<.2				
Arochlor 1242			<.2		<.2				
Arochlor 1248			<.2		<.2				
Arochlor 1254			<.1		<.1				
Arochlor 1260			<.1		<.1				
Arsenic, total	<4.0	<4.0	6.6	7.9	<4.0	13.1	<4.0	9.4	7.6
Azobenzene			<8		<8				
Barium, total	109	120	135	128	126	269	110	144	134
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene			<8		<8				
Benzo(a)pyrene			<8		<8				
Benzo(b)fluoranthene			<8		<8				
Benzo(g,h,i)perylene			<8		<8				
Benzo(k)fluoranthene			<8		<8				
Benzyl alcohol			<8		<8				
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc			<.05		<.05				
Bicarbonate, as caco3									
Bis (2-chloroethoxy) methane			<8		<8				
Bis(2-chloroethyl) ether			<8		<8				
Bis(2-ethylhexyl) phthalate			<6		<6				
Bis[2-chloroisopropyl]ether			<8		<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		<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
Chemical oxygen demand									
Chlordane			<.1		<.1				
Chloride									
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate			<8		<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		<1				
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene			<8		<8				
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	8.9	8.4	10.2	8.7	9.2	14.5	8.8	8.1	11.0
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total			<.005		<.005				
Delta-bhc			<.05		<.05				
Diallate			<8		<8				
Dibenzo(a,h)anthracene			<8		<8				
Dibenzofuran			<8		<8				
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane			<1		<1				
Dieldrin			<.05		<.05				
Diethyl phthalate			<8		<8				
Dimethoate			<.4		<.4				
Dimethylphthalate			<8		<8				
Di-n-butyl phthalate			<8		<8				
Di-n-octyl phthalate			<8		<8				
Dinoseb			<.5		<.5				
Diphenylamine			<8		<8				
Disulfoton			<.4		<.4				
Endosulfan i			<.05		<.05				
Endosulfan ii			<.05		<.05				
Endosulfan sulfate			<.05		<.05				
Endrin			<.05		<.05				
Endrin aldehyde			<.05		<.05				
Ethyl methacrylate			<10		<10				
Ethyl methanesulfonate			<8		<8				
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur			<.4		<.4				
Fluoranthene			<8		<8				

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

Table 9

Analytical Data Summary for MW-44

Constituents	8/31/2022	3/2/2023	3/28/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Anthracene							<8	
Antimony, total	<2	<2		<2	<2	<2	<2	<1
Arochlor 1016							<2	
Arochlor 1221							<2	
Arochlor 1232							<2	
Arochlor 1242							<2	
Arochlor 1248							<2	
Arochlor 1254							<2	
Arochlor 1260							<2	
Arsenic, total	10.0	<4.0		10.8	4.1	11.9	8.9	5.5
Azobenzene							<8	
Barium, total	173	121		175	126	142	126	152
Benzene	<1		<1	<1	<1	<1	<1	<1
Benzo(a)anthracene							<8	
Benzo(a)pyrene							<8	
Benzo(b)fluoranthene							<8	
Benzo(g,h,i)perylene							<8	
Benzo(k)fluoranthene							<8	
Benzyl alcohol							<8	
Beryllium, total	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<.5
Beta-bhc							<.05	
Bicarbonate, as caco3								
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
Bromodichloromethane	<1		<1	<1	<1	<1	<1	<1
Bromoform	<1		<1	<1	<1	<1	<1	<1
Bromomethane	<1		<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate							<8	
Cadmium, total	<.8	<.8		<.8	<.8	<.8	<.8	<.2
Calcium, total								
Carbon disulfide	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	1.6
Carbon tetrachloride	<1		<1	<1	<1	<1	<1	<1
Chemical oxygen demand								
Chlordane							<.1	
Chloride								
Chlorobenzene	<1		<1	<1	<1	<1	<1	<1
Chlorobenzilate							<8	
Chloroethane	<1		<1	<1	<1	<1	<1	<1
Chloroform	<1		<1	<1	<1	<1	<1	<1
Chloromethane	<1		<1	<1	<1	<1	<1	<1
Chloroprene							<1	
Chromium, total	<8.0	<8.0		<8.0	<8.0	<8.0	<8.0	1.2
Chrysene							<8	
Cis-1,2-dichloroethylene	<1		<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1		<1	<1	<1	<1	<1	<1
Cobalt, total	11.6	8.8		10.7	9.7	10.3	10.3	8.9
Copper, total	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	9.9
Cyanide, total							<.010	
Delta-bhc							<.05	
Diallate							<8	
Dibenzo(a,h)anthracene							<8	
Dibenzofuran							<8	
Dibromochloromethane	<1		<1	<1	<1	<1	<1	<1
Dibromomethane	<1		<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane							<1	
Dieldrin							<.05	
Diethyl phthalate							<8	
Dimethoate							<.4	
Dimethylphthalate							<8	
Di-n-butyl phthalate							<8	
Di-n-octyl phthalate							<8	
Dinoseb							<.5	
Diphenylamine							<8	
Disulfoton							<.4	
Endosulfan i							<.05	
Endosulfan ii							<.05	
Endosulfan sulfate							<.05	
Endrin							<.05	
Endrin aldehyde							<.05	
Ethyl methacrylate							<10	
Ethyl methanesulfonate							<8	
Ethylbenzene	<1		<1	<1	<1	<1	<1	<1
Famphur							<.4	
Fluoranthene							<8	

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

Table 9

Analytical Data Summary for MW-44

Constituents	Units	9/25/2014	12/5/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	12/5/2017
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								
Iron, dissolved	ug/L	2110		2570	2810		1860		
Isobutanol	ug/L								
Isodrin	ug/L								
Isophorone	ug/L								
Isosafrole	ug/L								
Kepone	ug/L								
Lead, total	ug/L					<4		<4	
Magnesium, total	mg/L	92.8 *	73.6 *	74.2 *	65.8 *				
Mercury, total	ug/L								
Methacrylonitrile	ug/L								
Methapyrilene	ug/L								
Methoxychlor	ug/L								
Methyl iodide	ug/L					<1		<1	
Methyl methacrylate	ug/L								
Methyl methanesulfonate	ug/L								
Methyl parathion	ug/L								
Methylene chloride	ug/L					<5		<5	
Naphthalene	ug/L								
Nickel, total	ug/L					17.3		16.0	
Nitrobenzene	ug/L								
Nitrogen, ammonia	mg/L	21.7 *	21.0 *	13.6 *	13.8 *		13.8		
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								
pH	S.U.	7.4		7.6	7.1				
Phenacetin	ug/L								
Phenanthrene	ug/L								
Phenol	ug/L								
Phenols, total	mg/L	<.1			<.1				
Phorate	ug/L								
Potassium, total	mg/L	30.3 *	22.8 *	20.8 *	20.8 *				
Pronamide	ug/L								
Propionitrile	ug/L								
Pyrene	ug/L								
Safrole	ug/L								
Selenium, total	ug/L					<4		<4	
Silver, total	ug/L					<4		<4	
Sodium, total	mg/L	128 *	140 *	137 *	133 *				
Solids, total dissolved	mg/L	1190 *	1200 *	736 *	1110 *				
Specific conductance	umhos/cm	1528		1644	1218				
Styrene	ug/L					<1		<1	
Sulfate	mg/L	227 *	212 *	179 *	157 *				
Sulfide, total	mg/L								
Tetrachloroethylene	ug/L					<1		<1	
Thallium, total	ug/L					<4.0		<4.0	
Thionazin	ug/L								
Tin, total	ug/L								
Toluene	ug/L					<1		<1	
Total organic halogens (tox)	mg/L	.103			.057				
Toxaphene	ug/L								
Trans-1,2-dichloroethylene	ug/L					<1		<1	
Trans-1,3-dichloropropene	ug/L					<1		<1	
Trans-1,4-dichloro-2-butene	ug/L					<5		<5	
Trichloroethylene	ug/L					<1		<1	
Trichlorofluoromethane	ug/L					<1		<1	

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

Table 9

Analytical Data Summary for MW-44

Constituents	3/19/2018	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022
Fluorene			<8		<8				
Gamma-bhc [lindane]			<.05		<.05				
Heptachlor			<.05		<.05				
Heptachlor epoxide			<.05		<.05				
Hexachlorobenzene			<.05		<.05				
Hexachlorobutadiene			<8		<8				
Hexachlorocyclopentadiene			<8		<8				
Hexachloroethane			<8		<8				
Hexachloropropene			<8		<8				
Indeno(1,2,3-cd)pyrene			<8		<8				
Iron, dissolved									
Isobutanol			<1000		<1000				
Isodrin			<8		<8				
Isophorone			<8		<8				
Isosafrole			<8		<8				
Kepone			<8		<8				
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Magnesium, total									
Mercury, total			<.5		<.5				
Methacrylonitrile			<1		<1				
Methapyriline			<8		<8				
Methoxychlor			<.05		<.05				
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate			<1		<1				
Methyl methanesulfonate			<8		<8				
Methyl parathion			<.4		<.4				
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene			<8		<8				
Nickel, total	12.7	12.8	11.9	11.7	13.2	26.2	9.7	13.2	12.2
Nitrobenzene			<8		<8				
Nitrogen, ammonia									
N-nitrosodiethylamine			<8		<8				
N-nitrosodimethylamine			<8		<8				
N-nitrosodi-n-butylamine			<8		<8				
N-nitroso-di-n-propylamine			<8		<8				
N-nitrosodiphenylamine			<8		<8				
N-nitrosomethylethylamine			<8		<8				
N-nitrosopiperidine			<8		<8				
N-nitrosopyrrolidine			<8		<8				
O,o,o-triethyl phosphorothioate			<.4		<.4				
O-toluidine			<8		<8				
P-(dimethylamino)azobenzene			<8		<8				
Parathion			<.4		<.4				
Pentachlorobenzene			<8		<8				
Pentachloronitrobenzene (pcnb)			<8		<8				
Pentachlorophenol			<8		<8				
pH									
Phenacetin			<8		<8				
Phenanthrene			<8		<8				
Phenol			<8		<8				
Phenols, total									
Phorate			<.4		<.4				
Potassium, total									
Pronamide			<8		<8				
Propionitrile			<10		<10				
Pyrene			<8		<8				
Safrole			<8		<8				
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<8	<4	<4	<4	<4	<4	<4	<4
Sodium, total									
Solids, total dissolved									
Specific conductance									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate									
Sulfide, total			<.1		<.1				
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin			<.4		<.4				
Tin, total			<20		<20				
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total organic halogens (tox)									
Toxaphene			<.2		<.2				
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1

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

Table 9

Analytical Data Summary for MW-44

Constituents	8/31/2022	3/2/2023	3/28/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
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	
Iron, dissolved								
Isobutanol							<1000	
Isodrin							<8	
Isophorone							<8	
Isosafrole							<8	
Kepone							<8	
Lead, total	<4	<4		<4	<4	<4	<4	<1
Magnesium, total								
Mercury, total							<.5	
Methacrylonitrile							<1	
Methapyrilene							<8	
Methoxychlor							<.05	
Methyl iodide	<1		<1	<1	<1	<1	<2	<1
Methyl methacrylate							<1	
Methyl methanesulfonate							<8	
Methyl parathion							<.4	
Methylene chloride	<5		<5	<5	<5	<5	<5	<5
Naphthalene							<8	
Nickel, total	13.5	10.0		13.2	10.0	10.9	8.8	12.0
Nitrobenzene							<8	
Nitrogen, ammonia								
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	
pH								
Phenacetin							<8	
Phenanthrene							<8	
Phenol							<8	
Phenols, total								
Phorate							<.4	
Potassium, total								
Pronamide							<8	
Propionitrile							<10	
Pyrene							<8	
Safrole							<8	
Selenium, total	<4	<4		<4	<4	<4	<4	<2
Silver, total	<4	<4		<4	<4	<4	<4	<5
Sodium, total								
Solids, total dissolved								
Specific conductance								
Styrene	<1		<1	<1	<1	<1	<1	<1
Sulfate								
Sulfide, total							<.1	
Tetrachloroethylene	<1		<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<.5
Thionazin							<.4	
Tin, total							<20	
Toluene	<1		<1	<1	<1	<1	<1	<1
Total organic halogens (tox)								
Toxaphene							<.2	
Trans-1,2-dichloroethylene	<1		<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1		<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5		<5	<5	<5	<5	<5	<5
Trichloroethylene	<1		<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1		<1	<1	<1	<1	<1	<1

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

Table 9

Analytical Data Summary for MW-44

Constituents	Units	9/25/2014	12/5/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	12/5/2017
Vanadium, total	ug/L					<20		<20	
Vinyl acetate	ug/L					<5		<5	
Vinyl chloride	ug/L					<1		<1	
Xylenes, total	ug/L					<2		<2	
Zinc, total	ug/L					<8.0		<8.0	

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

Table 9

Analytical Data Summary for MW-44

Constituents	3/19/2018	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	<8.0	32.8	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-44

Constituents	8/31/2022	3/2/2023	3/28/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Vanadium, total	<20	<20		<20	<20	<20	<20	<2
Vinyl acetate	<5		<5	<5	<5	<5	<5	<5
Vinyl chloride	<1		<1	<1	<1	<1	<1	<1
Xylenes, total	<2		<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0		<20.0	<20.0	<20.0	<20.0	25.1

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

Table 9

Analytical Data Summary for MW-45

Constituents	Units	9/25/2014	12/5/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	3/19/2018
(3,4)-methylphenol	ug/L								
1,1,1,2-tetrachloroethane	ug/L					<1		<1	<1
1,1,1-trichloroethane	ug/L					<1		<1	<1
1,1,2,2-tetrachloroethane	ug/L					<1		<1	<1
1,1,2-trichloroethane	ug/L					<1		<1	<1
1,1-dichloroethane	ug/L					<1		<1	<1
1,1-dichloroethylene	ug/L					<1		<1	<1
1,1-dichloropropene	ug/L								
1,2,3-trichloropropane	ug/L					<1		<1	<1
1,2,4,5-tetrachlorobenzene	ug/L								
1,2,4-trichlorobenzene	ug/L								
1,2-dibromo-3-chloropropane	ug/L					<1		<1	<1
1,2-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
1,2-dinitrobenzene	ug/L								
1,3,5-trinitrobenzene	ug/L								
1,3-dichlorobenzene	ug/L								
1,3-dichloropropane	ug/L								
1,3-dinitrobenzene	ug/L								
1,4-dichlorobenzene	ug/L					<1		<1	<1
1,4-naphthoquinone	ug/L								
1,4-phenylenediamine	ug/L								
1-naphthylamine	ug/L								
2,2-dichloropropane	ug/L								
2,3,4,6-tetrachlorophenol	ug/L								
2,4,5-t	ug/L								
2,4,5-tp (silvex)	ug/L								
2,4,5-trichlorophenol	ug/L								
2,4,6-trichlorophenol	ug/L								
2,4-d	ug/L								
2,4-dichlorophenol	ug/L								
2,4-dimethylphenol	ug/L								
2,4-dinitrophenol	ug/L								
2,4-dinitrotoluene	ug/L								
2,6-dichlorophenol	ug/L								
2,6-dinitrotoluene	ug/L								
2-acetylaminofluorene	ug/L								
2-butanone (mek)	ug/L					<5		<5	<5
2-chloronaphthalene	ug/L								
2-chlorophenol	ug/L								
2-hexanone (mbk)	ug/L					<5		<5	<5
2-methylnaphthalene	ug/L								
2-methylphenol (o-cresol)	ug/L								
2-naphthylamine	ug/L								
2-nitroaniline	ug/L								
2-nitrophenol	ug/L								
3,3'-dichlorobenzidine	ug/L								
3,3-dimethylbenzidine	ug/L								
3-methylcholanthrene	ug/L								
3-nitroaniline	ug/L								
4,4'-ddd	ug/L								
4,4'-dde	ug/L								
4,4'-ddt	ug/L								
4,6-dinitro-2-methylphenol	ug/L								
4-aminobiphenyl	ug/L								
4-bromophenyl phenyl ether	ug/L								
4-chloro-3-methylphenol	ug/L								
4-chloroaniline	ug/L								
4-chlorophenyl phenyl ether	ug/L								
4-methyl-2-pentanone (mibk)	ug/L					<5		<5	<5
4-nitroaniline	ug/L								
4-nitrophenol	ug/L								
5-nitro-o-toluidine	ug/L								
7,12-dimethylbenz [a] anthracene	ug/L								
Acenaphthene	ug/L								
Acenaphthylene	ug/L								
Acetone	ug/L					<10.0		<10.0	<10.0
Acetonitrile	ug/L								
Acetophenone	ug/L								
Acrolein	ug/L								
Acrylonitrile	ug/L					<5		<5	<5
Aldrin	ug/L								
Alkalinity as cacO3	mg/L		766	826	830				
Allyl chloride	ug/L								
Alpha-bhc	ug/L								

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

Table 9

Analytical Data Summary for MW-45

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	12/3/2020	3/2/2021
(3,4)-methylphenol				<8			
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1		<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1		<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1		<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1		<1
1,1-dichloroethane	<1	<1	<1	<1	<1		<1
1,1-dichloroethylene	<1	<1	<1	<1	<1		<1
1,1-dichloropropene				<1			
1,2,3-trichloropropane	<1	<1	<1	<1	<1		<1
1,2,4,5-tetrachlorobenzene				<8			
1,2,4-trichlorobenzene				<1			
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5		<5
1,2-dibromoethane	<1	<1	<1	<1	<1		<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1		<1
1,2-dichloroethane	<1	<1	<1	<1	<1		<1
1,2-dichloropropane	<1	<1	<1	<1	<1		<1
1,2-dinitrobenzene				<8			
1,3,5-trinitrobenzene				<8			
1,3-dichlorobenzene				<1			
1,3-dichloropropane				<1			
1,3-dinitrobenzene				<8			
1,4-dichlorobenzene	<1	<1	<1	<1	<1		<1
1,4-naphthoquinone				<8			
1,4-phenylenediamine				<8			
1-naphthylamine				<8			
2,2-dichloropropane				<1			
2,3,4,6-tetrachlorophenol				<8			
2,4,5-t				<5			
2,4,5-tp (silvex)				<5			
2,4,5-trichlorophenol				<8			
2,4,6-trichlorophenol				<8			
2,4-d				<2			
2,4-dichlorophenol				<8			
2,4-dimethylphenol				<8			
2,4-dinitrophenol				<8			
2,4-dinitrotoluene				<8			
2,6-dichlorophenol				<8			
2,6-dinitrotoluene				<8			
2-acetylaminofluorene				<8			
2-butanone (mek)	<5	<5	<5	<5	<5		<5
2-chloronaphthalene				<8			
2-chlorophenol				<8			
2-hexanone (mbk)	<5	<5	<5	<5	<5		<5
2-methylnaphthalene				<8			
2-methylphenol (o-cresol)				<8			
2-naphthylamine				<8			
2-nitroaniline				<8			
2-nitrophenol				<8			
3,3'-dichlorobenzidine				<8			
3,3-dimethylbenzidine				<8			
3-methylcholanthrene				<8			
3-nitroaniline				<8			
4,4'-ddd				<.05			
4,4'-dde				<.05			
4,4'-ddt				<.05			
4,6-dinitro-2-methylphenol				<8			
4-aminobiphenyl				<8			
4-bromophenyl phenyl ether				<8			
4-chloro-3-methylphenol				<8			
4-chloroaniline				<8			
4-chlorophenyl phenyl ether				<8			
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5		<5
4-nitroaniline				<8			
4-nitrophenol				<8			
5-nitro-o-toluidine				<8			
7,12-dimethylbenz [a] anthracene				<8			
Acenaphthene				<8			
Acenaphthylene				<8			
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0		21.1
Acetonitrile				<10			
Acetophenone				<8			
Acrolein				<10			
Acrylonitrile	<5	<5	<5	<5	<5		<5
Aldrin				<.05			
Alkalinity as CaCO3							
Allyl chloride				<1			
Alpha-bhc				<.05			

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

Table 9

Analytical Data Summary for MW-45

Constituents	Units	9/25/2014	12/5/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	3/19/2018
Anthracene	ug/L								
Antimony, total	ug/L					<2		<2	<2
Arochlor 1016	ug/L								
Arochlor 1221	ug/L								
Arochlor 1232	ug/L								
Arochlor 1242	ug/L								
Arochlor 1248	ug/L								
Arochlor 1254	ug/L								
Arochlor 1260	ug/L								
Arsenic, total	ug/L					<4		<4	<4
Azobenzene	ug/L								
Barium, total	ug/L					41.8		36.4	40.3
Benzene	ug/L					<1		<1	<1
Benzo(a)anthracene	ug/L								
Benzo(a)pyrene	ug/L								
Benzo(b)fluoranthene	ug/L								
Benzo(g,h,i)perylene	ug/L								
Benzo(k)fluoranthene	ug/L								
Benzyl alcohol	ug/L								
Beryllium, total	ug/L					<4		<4	<4
Beta-bhc	ug/L								
Bicarbonate, as caco3	mg/L		766	826	830				
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					<1		<1	<1
Bromodichloromethane	ug/L					<1		<1	<1
Bromoform	ug/L					<1		<1	<1
Bromomethane	ug/L					<1		<1	<1
Butyl benzyl phthalate	ug/L								
Cadmium, total	ug/L					<.8		<.8	<.8
Calcium, total	mg/L		302 *	288 *	256 *				
Carbon disulfide	ug/L					<1		<1	<1
Carbon tetrachloride	ug/L					<1		<1	<1
Chemical oxygen demand	mg/L	49 *	501 *	67 *	23 *		28		
Chlordane	ug/L								
Chloride	mg/L	383 *	298 *	349 *	325 *		355		
Chlorobenzene	ug/L					<1		<1	<1
Chlorobenzilate	ug/L								
Chloroethane	ug/L					<1		<1	<1
Chloroform	ug/L					<1		<1	<1
Chloromethane	ug/L					<1		<1	<1
Chloroprene	ug/L								
Chromium, total	ug/L					<8		<8	<8
Chrysene	ug/L								
Cis-1,2-dichloroethylene	ug/L					<1		<1	<1
Cis-1,3-dichloropropene	ug/L					<1		<1	<1
Cobalt, total	ug/L					8.0		7.8	8.7
Copper, total	ug/L					<4		<4	<4
Cyanide, total	mg/L								
Delta-bhc	ug/L								
Diallate	ug/L								
Dibenzo(a,h)anthracene	ug/L								
Dibenzofuran	ug/L								
Dibromochloromethane	ug/L					<1		<1	<1
Dibromomethane	ug/L					<1		<1	<1
Dichlorodifluoromethane	ug/L								
Dieldrin	ug/L								
Diethyl phthalate	ug/L								
Dimethoate	ug/L								
Dimethylphthalate	ug/L								
Di-n-butyl phthalate	ug/L								
Di-n-octyl phthalate	ug/L								
Dinoseb	ug/L								
Diphenylamine	ug/L								
Disulfoton	ug/L								
Endosulfan i	ug/L								
Endosulfan ii	ug/L								
Endosulfan sulfate	ug/L								
Endrin	ug/L								
Endrin aldehyde	ug/L								
Ethyl methacrylate	ug/L								
Ethyl methanesulfonate	ug/L								
Ethylbenzene	ug/L					<1		<1	<1
Famphur	ug/L								
Fluoranthene	ug/L								

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

Table 9

Analytical Data Summary for MW-45

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	12/3/2020	3/2/2021
Anthracene				<8			
Antimony, total	<2	<2	<2	<2	<2		
Arochlor 1016				<.1			
Arochlor 1221				<.2			
Arochlor 1232				<.2			
Arochlor 1242				<.2			
Arochlor 1248				<.2			
Arochlor 1254				<.1			
Arochlor 1260				<.1			
Arsenic, total	<4	<4	<4	<4	<4		
Azobenzene				<8			
Barium, total	33.3	53.8	35.2	36.6	26.5		
Benzene	<1	<1	<1	<1	<1		<1
Benzo(a)anthracene				<8			
Benzo(a)pyrene				<8			
Benzo(b)fluoranthene				<8			
Benzo(g,h,i)perylene				<8			
Benzo(k)fluoranthene				<8			
Benzyl alcohol				<8			
Beryllium, total	<4	<4	<4	<4	<4		
Beta-bhc				<.05			
Bicarbonate, as caco3							
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
Bromodichloromethane	<1	<1	<1	<1	<1		<1
Bromoform	<1	<1	<1	<1	<1		<1
Bromomethane	<1	<1	<1	<1	<1		<1
Butyl benzyl phthalate				<8			
Cadmium, total	<.8	<.8	<.8	<.8	<.8		
Calcium, total							
Carbon disulfide	<1	<1	<1	<1	<1		<1
Carbon tetrachloride	<1	<1	<1	<1	<1		<1
Chemical oxygen demand							
Chlordane				<.1			
Chloride							
Chlorobenzene	<1	<1	<1	<1	<1		<1
Chlorobenzilate				<8			
Chloroethane	<1	<1	<1	<1	<1		<1
Chloroform	<1	<1	<1	<1	<1		<1
Chloromethane	<1	<1	<1	<1	<1		<1
Chloroprene				<1			
Chromium, total	<8	<8	<8	<8	<8		
Chrysene				<8			
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1		<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1		<1
Cobalt, total	6.6	8.3	7.4	8.0	7.4	6.4	
Copper, total	<4	4	<4	<4	<4		
Cyanide, total				<.005			
Delta-bhc				<.05			
Diallate				<8			
Dibenzo(a,h)anthracene				<8			
Dibenzofuran				<8			
Dibromochloromethane	<1	<1	<1	<1	<1		<1
Dibromomethane	<1	<1	<1	<1	<1		<1
Dichlorodifluoromethane				<1			
Dieldrin				<.05			
Diethyl phthalate				<8			
Dimethoate				<4			
Dimethylphthalate				<8			
Di-n-butyl phthalate				<8			
Di-n-octyl phthalate				<8			
Dinoseb				<.5			
Diphenylamine				<8			
Disulfoton				<.4			
Endosulfan i				<.05			
Endosulfan ii				<.05			
Endosulfan sulfate				<.05			
Endrin				<.05			
Endrin aldehyde				<.05			
Ethyl methacrylate				<10			
Ethyl methanesulfonate				<8			
Ethylbenzene	<1	<1	<1	<1	<1		<1
Famphur				<.4			
Fluoranthene				<8			

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

Table 9

Analytical Data Summary for MW-45

Constituents	Units	9/25/2014	12/5/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	3/19/2018
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								
Iron, dissolved	ug/L	<100		<100	<100		<100		
Isobutanol	ug/L								
Isodrin	ug/L								
Isophorone	ug/L								
Isosafrole	ug/L								
Kepone	ug/L								
Lead, total	ug/L								
Magnesium, total	mg/L		152 *	158 *	138 *	<4		<4	<4
Mercury, total	ug/L								
Methacrylonitrile	ug/L								
Methapyrilene	ug/L								
Methoxychlor	ug/L								
Methyl iodide	ug/L								
Methyl methacrylate	ug/L								
Methyl methanesulfonate	ug/L								
Methyl parathion	ug/L								
Methylene chloride	ug/L								
Naphthalene	ug/L								
Nickel, total	ug/L					5.3		4.5	4.1
Nitrobenzene	ug/L								
Nitrogen, ammonia	mg/L	21.2 *	<1.0 *	<1.0 *	<1.0 *		<1.0		
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								
pH	S.U.	7.6		7.5	7.4				
Phenacetin	ug/L								
Phenanthrene	ug/L								
Phenol	ug/L								
Phenols, total	mg/L	<.1			<.1				
Phorate	ug/L								
Potassium, total	mg/L		1.7 *	8.0 *	2.7 *				
Pronamide	ug/L								
Propionitrile	ug/L								
Pyrene	ug/L								
Safrole	ug/L								
Selenium, total	ug/L								
Silver, total	ug/L					<4		<4	<4
Sodium, total	mg/L		325 *	353 *	333 *	<4		<4	<4
Solids, total dissolved	mg/L		2550 *	1760 *	2480 *				
Specific conductance	umhos/cm	3208		3510	1891				
Styrene	ug/L								
Sulfate	mg/L		597 *	787 *	646 *	<1		<1	<1
Sulfide, total	mg/L								
Tetrachloroethylene	ug/L					<1		<1	<1
Thallium, total	ug/L					<4		<4	<4
Thionazin	ug/L								
Tin, total	ug/L								
Toluene	ug/L					<1		<1	<1
Total organic halogens (tox)	mg/L	.079			.084				
Toxaphene	ug/L								
Trans-1,2-dichloroethylene	ug/L					<1		<1	<1
Trans-1,3-dichloropropene	ug/L					<1		<1	<1
Trans-1,4-dichloro-2-butene	ug/L					<5		<5	<5
Trichloroethylene	ug/L					<1		<1	<1
Trichlorofluoromethane	ug/L					<1		<1	<1

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

Table 9

Analytical Data Summary for MW-45

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	12/3/2020	3/2/2021
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			
Iron, dissolved							
Isobutanol				<1000			
Isodrin				<8			
Isophorone				<8			
Isosafrole				<8			
Kepone				<8			
Lead, total	<4	<4	<4	<4	<4		
Magnesium, total							
Mercury, total				<.5			
Methacrylonitrile				<1			
Methapyrilene				<8			
Methoxychlor				<.05			
Methyl iodide	<1	<1	<1	<1	<1		<1
Methyl methacrylate				<1			
Methyl methanesulfonate				<8			
Methyl parathion				<.4			
Methylene chloride	<5	<5	<5	<5	<5		<5
Naphthalene				<8			
Nickel, total	<4.0	8.1	<4.0	<4.0	4.5		
Nitrobenzene				<8			
Nitrogen, ammonia							
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			
pH							
Phenacetin				<8			
Phenanthrene				<8			
Phenol				<8			
Phenols, total							
Phorate				<.4			
Potassium, total							
Pronamide				<8			
Propionitrile				<10			
Pyrene				<8			
Safrole				<8			
Selenium, total	<4	<4	<4	<4	<4		
Silver, total	<8	<4	<4	<4	<4		
Sodium, total							
Solids, total dissolved							
Specific conductance							
Styrene	<1	<1	<1	<1	<1		<1
Sulfate							
Sulfide, total				<1.5			
Tetrachloroethylene	<1	<1	<1	<1	<1		<1
Thallium, total	<4	<2	<2	<2	<2		
Thionazin				<.4			
Tin, total				<20			
Toluene	<1	<1	<1	<1	<1		<1
Total organic halogens (tox)							
Toxaphene				<.2			
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1		<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1		<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5		<5
Trichloroethylene	<1	<1	<1	<1	<1		<1
Trichlorofluoromethane	<1	<1	<1	<1	<1		<1

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

Table 9

Analytical Data Summary for MW-45

Constituents	Units	9/25/2014	12/5/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	3/19/2018
Vanadium, total	ug/L					<20		<20	<20
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					<8.0		<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-45

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	12/3/2020	3/2/2021
Vanadium, total	<20	<20	<20	<20	<20		
Vinyl acetate	<5	<5	<5	<5	<5		<5
Vinyl chloride	<1	<1	<1	<1	<1		<1
Xylenes, total	<2	<2	<2	<2	<2		<2
Zinc, total	<8.0	34.6	<8.0	<20.0	<20.0		

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

Table 9

Analytical Data Summary for MW-48

Constituents	Units	9/24/2014	9/25/2014	12/5/2014	3/11/2015	3/25/2015	6/16/2015	9/16/2015	3/22/2016
1,1,1,2-tetrachloroethane	ug/L	<1		<1	<1		<1	<1	<1
1,1,1-trichloroethane	ug/L	<1		<1	<1		<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1		<1	<1		<1	<1	<1
1,1,2-trichloroethane	ug/L	<1		<1	<1		<1	<1	<1
1,1-dichloroethane	ug/L	<1		<1	<1		<1	<1	<1
1,1-dichloroethylene	ug/L	<1		<1	<1		<1	<1	<1
1,2,3-trichloropropane	ug/L	<1		<1	<1		<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1		<1	<1		<1	<1	<1
1,2-dibromoethane	ug/L	<1		<1	<1		<1	<1	<1
1,2-dichlorobenzene	ug/L	<1		<1	<1		<1	<1	<1
1,2-dichloroethane	ug/L	<1		<1	<1		<1	<1	<1
1,2-dichloropropane	ug/L	<1		<1	<1		<1	<1	<1
1,4-dichlorobenzene	ug/L	<1		<1	<1		<1	<1	<1
2-butanone (mek)	ug/L	<5		<5	<5		<5	<5	<5
2-hexanone (mbk)	ug/L	<5		<5	<5		<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5		<5	<5		<5	<5	<5
Acetone	ug/L	<10		<10	<10		<10	<10	<10
Acrylonitrile	ug/L	<5		<5	<5		<5	<5	<5
Alkalinity as caco3	mg/L		406			360		366	
Antimony, total	ug/L	<2		<2	<2		<2	<2	<2
Arsenic, total	ug/L	<4		<4	<4		<4	<4	<4
Barium, total	ug/L	181		168	143		161	150	153
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
Bicarbonate, as caco3	mg/L		406			360		366	
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
Calcium, total	mg/L		92 *			103 *		102 *	
Carbon disulfide	ug/L	<1.0		<1.0	<1.0		<1.0	<1.0	<1.0
Carbon tetrachloride	ug/L	<1		<1	<1		<1	<1	<1
Chemical oxygen demand	mg/L		12 *			11 *		<10 *	
Chloride	mg/L		29.1 *			26.0 *		23.0 *	
Chlorobenzene	ug/L	<1		<1	<1		<1	<1	<1
Chloroethane	ug/L	<1		<1	<1		<1	<1	<1
Chloroform	ug/L	<1		<1	<1		<1	<1	<1
Chloromethane	ug/L	<1		<1	<1		<1	<1	<1
Chromium, total	ug/L	<8		<8	<8		<8	<8	<8
Cis-1,2-dichloroethylene	ug/L	<1		<1	<1		<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1		<1	<1		<1	<1	<1
Cobalt, total	ug/L	<.8		<.8	<.8		<.8	<.8	<.8
Copper, total	ug/L	<4		<4	<4		<4	<4	<4
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
Iron, dissolved	ug/L		<100			<100		<100	
Lead, total	ug/L	<4		<4	<4		<4	<4	<4
Magnesium, total	mg/L		42.9 *			50.5 *		45.7 *	
Methyl iodide	ug/L	<1		<1	<1		<1	<1	<1
Methylene chloride	ug/L	<5		<5	<5		<5	<5	<5
Nickel, total	ug/L	<4		<4	<4		<4	<4	<4
Nitrogen, ammonia	mg/L		<1 *			<1 *		<1 *	
pH	S.U.		7.3			7.7		7.6	
Phenols, total	mg/L		<.1					<.1	
Potassium, total	mg/L		<1.0 *			5.3 *		2.2 *	
Selenium, total	ug/L	<4		<4	<4		<4	<4	<4
Silver, total	ug/L	<4		<4	<4		<4	<4	<4
Sodium, total	mg/L		10.8 *			10.3 *		11.3 *	
Solids, total dissolved	mg/L		525 *			481 *		448 *	
Specific conductance	umhos/cm		713			712		683	
Styrene	ug/L	<1		<1	<1		<1	<1	<1
Sulfate	mg/L		30.8 *			28.0 *		20.1 *	
Tetrachloroethylene	ug/L	<1.0		<1.0	<1.0		<1.0	<1.0	<1.0
Thallium, total	ug/L	<4.0		<4.0	<4.0		<4.0	<4.0	<4.0
Toluene	ug/L	<1		<1	<1		<1	<1	<1
Total organic halogens (tox)	mg/L		<.01					.01	
Trans-1,2-dichloroethylene	ug/L	<1		<1	<1		<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1		<1	<1		<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5		<5	<5		<5	<5	<5
Trichloroethylene	ug/L	<1		<1	<1		<1	<1	<1
Trichlorofluoromethane	ug/L	<1		<1	<1		<1	<1	<1
Vanadium, total	ug/L	<20		<20	<20		<20	<20	<20
Vinyl acetate	ug/L	<5		<5	<5		<5	<5	<5
Vinyl chloride	ug/L	<1		<1	<1		<1	<1	<1
Xylenes, total	ug/L	<2		<2	<2		<2	<2	<2

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

Table 9

Analytical Data Summary for MW-48

Constituents	9/14/2016	3/23/2017	9/8/2017	3/19/2018	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<1	<1	<1	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Alkalinity as caco3										
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	140	146	171	145	151	153	160	156	152	159
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
Bicarbonate, as caco3										
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	<1.0	<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	<1
Chemical oxygen demand		<10								
Chloride		19.0								
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-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	.9
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
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
Iron, dissolved		<100								
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Magnesium, total										
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Nitrogen, ammonia		<1								
pH										
Phenols, total										
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										
Solids, total dissolved										
Specific conductance										
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate										
Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Thallium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total organic halogens (tox)										
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2

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

Table 9

Analytical Data Summary for MW-48

Constituents	9/7/2021	3/24/2022	8/31/2022	3/2/2023	9/12/2023	3/4/2024	5/29/2024	9/23/2024	3/12/2025	9/3/2025
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-dichloroethylene	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5		<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1		<1	<1	<1
2-butanone (mek)	<5	<10	<10	<10	<10	<10		<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5		<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5		<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10		<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5		<5	<5	<5
Alkalinity as caco3										
Antimony, total	<2	<2	<2	<2	<2	<2		<2	<2	<1
Arsenic, total	<4	<4	<4	<4	<4	<4		<4	<4	<2
Barium, total	149	143	157	149	168	149		148	153	168
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	<5
Bicarbonate, as caco3										
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	<.2
Calcium, total										
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	1.6
Carbon tetrachloride	<1	<1	<1	<1	<1	<1		<1	<1	<1
Chemical oxygen demand										
Chloride										
Chlorobenzene	<1	<1	<1	<1	<1	<1		<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1		<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1		<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1		<1	<1	<1
Chromium, total	<8	<8	<8	<8	<8	<8		<8	<8	<1
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1		<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1		<1	<1	<1
Cobalt, total	<.4	.4	<.4	<.4	<.4	<.4		<.4	<.4	<.5
Copper, total	<4	<4	<4	<4	<4	<4		<4	<4	<5
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
Iron, dissolved										
Lead, total	<4	<4	<4	<4	<4	<4		<4	<4	<1
Magnesium, total										
Methyl iodide	<1	<1	<1	<1	<1	<1		<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5		<5	<5	<5
Nickel, total	<4	<4	<4	<4	<4	<4		<4	<4	<5
Nitrogen, ammonia										
pH										
Phenols, total										
Potassium, total										
Selenium, total	<4	<4	<4	<4	<4	<4		<4	<4	<2
Silver, total	<4	<4	<4	<4	<4	<4		<4	<4	<5
Sodium, total										
Solids, total dissolved										
Specific conductance										
Styrene	<1	<1	<1	<1	<1	<1		<1	<1	<1
Sulfate										
Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	2.3	<1.0	<1.0	<1.0	<1.0
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0		<2.0	<2.0	<5
Toluene	<1	<1	<1	<1	<1	<1		<1	<1	<1
Total organic halogens (tox)										
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1		<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1		<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5		<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1		<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1		<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20		<20	<20	<2
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

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

Table 9

Analytical Data Summary for MW-48

Constituents	Units	9/24/2014	9/25/2014	12/5/2014	3/11/2015	3/25/2015	6/16/2015	9/16/2015	3/22/2016
Zinc, total	ug/L	<8.0		<8.0	32.3		<8.0	<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-48

Constituents	9/14/2016	3/23/2017	9/8/2017	3/19/2018	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021
Zinc, total	<8.0	<8.0	<20.0	<8.0	<20.0	<20.0	<8.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-48

Constituents	9/7/2021	3/24/2022	8/31/2022	3/2/2023	9/12/2023	3/4/2024	5/29/2024	9/23/2024	3/12/2025	9/3/2025
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0		<20.0	<20.0	9.6

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

Table 9

Analytical Data Summary for MW-56

Constituents	Units	9/25/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	12/5/2017	3/19/2018
(3,4)-methylphenol	ug/L				<8				
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				5.0		10.4		<1.0
1,1-dichloroethylene	ug/L				<1		<1		<1
1,1-dichloropropene	ug/L				<1				
1,2,3-trichloropropane	ug/L				<1		<1		<1
1,2,4,5-tetrachlorobenzene	ug/L				<8				
1,2,4-trichlorobenzene	ug/L				<1				
1,2-dibromo-3-chloropropane	ug/L				<1		<1		<1
1,2-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
1,2-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
1,4-naphthoquinone	ug/L				<8				
1,4-phenylenediamine	ug/L				<8				
1-naphthylamine	ug/L				<8				
2,2-dichloropropane	ug/L				<1				
2,3,4,6-tetrachlorophenol	ug/L				<8				
2,4,5-t	ug/L				<.5				
2,4,5-tp (silvex)	ug/L				<.5				
2,4,5-trichlorophenol	ug/L				<8				
2,4,6-trichlorophenol	ug/L				<8				
2,4-d	ug/L				<2				
2,4-dichlorophenol	ug/L				<8				
2,4-dimethylphenol	ug/L				<8				
2,4-dinitrophenol	ug/L				<8				
2,4-dinitrotoluene	ug/L				<8				
2,6-dichlorophenol	ug/L				<8				
2,6-dinitrotoluene	ug/L				<8				
2-acetylaminofluorene	ug/L				<8				
2-butanone (mek)	ug/L				<5		<5		<5
2-chloronaphthalene	ug/L				<8				
2-chlorophenol	ug/L				<8				
2-hexanone (mbk)	ug/L				<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 (mibk)	ug/L				<5		<5		<5
4-nitroaniline	ug/L				<8				
4-nitrophenol	ug/L				<8				
5-nitro-o-toluidine	ug/L				<8				
7,12-dimethylbenz [a] anthracene	ug/L				<8				
Acenaphthene	ug/L				<8				
Acenaphthylene	ug/L				<8				
Acetone	ug/L				<10		<10		<10
Acetonitrile	ug/L				<10				
Acetophenone	ug/L				<8				
Acrolein	ug/L				<10				
Acrylonitrile	ug/L				<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-56

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022
(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	<1.0	<1.0	4.7	<1.0	6.9	<1.0	8.4	<1.0	7.4
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene							<1		
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene							<8		
1,2,4-trichlorobenzene							<1		
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5	<5	<1	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene							<8		
1,3,5-trinitrobenzene							<8		
1,3-dichlorobenzene							<1		
1,3-dichloropropane							<1		
1,3-dinitrobenzene							<8		
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone							<8		
1,4-phenylenediamine							<8		
1-naphthylamine							<8		
2,2-dichloropropane							<1		
2,3,4,6-tetrachlorophenol							<8		
2,4,5-t							<5		
2,4,5-tp (silvex)							<5		
2,4,5-trichlorophenol							<8		
2,4,6-trichlorophenol							<8		
2,4-d							<2		
2,4-dichlorophenol							<8		
2,4-dimethylphenol							<8		
2,4-dinitrophenol							<8		
2,4-dinitrotoluene							<8		
2,6-dichlorophenol							<8		
2,6-dinitrotoluene							<8		
2-acetylaminofluorene							<8		
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<10
2-chloronaphthalene							<8		
2-chlorophenol							<8		
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene							<8		
2-methylphenol (o-cresol)							<8		
2-naphthylamine							<8		
2-nitroaniline							<8		
2-nitrophenol							<8		
3,3'-dichlorobenzidine							<8		
3,3-dimethylbenzidine							<8		
3-methylcholanthrene							<8		
3-nitroaniline							<8		
4,4'-ddd							<.05		
4,4'-dde							<.05		
4,4'-ddt							<.05		
4,6-dinitro-2-methylphenol							<8		
4-aminobiphenyl							<8		
4-bromophenyl phenyl ether							<8		
4-chloro-3-methylphenol							<8		
4-chloroaniline							<8		
4-chlorophenyl phenyl ether							<8		
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline							<8		
4-nitrophenol							<8		
5-nitro-o-toluidine							<8		
7,12-dimethylbenz [a] anthracene							<8		
Acenaphthene							<8		
Acenaphthylene							<8		
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile							<10		
Acetophenone							<8		
Acrolein							<10		
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin							<.05		
Allyl chloride							<1		
Alpha-bhc							<.05		
Anthracene							<8		

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

Table 9

Analytical Data Summary for MW-56

Constituents	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
(3,4)-methylphenol						
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.0	4.0	1.7	2.6	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1
1,1-dichloropropene						
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene						
1,2,4-trichlorobenzene						
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene						
1,3,5-trinitrobenzene						
1,3-dichlorobenzene						
1,3-dichloropropane						
1,3-dinitrobenzene						
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone						
1,4-phenylenediamine						
1-naphthylamine						
2,2-dichloropropane						
2,3,4,6-tetrachlorophenol						
2,4,5-t						
2,4,5-tp (silvex)						
2,4,5-trichlorophenol						
2,4,6-trichlorophenol						
2,4-d						
2,4-dichlorophenol						
2,4-dimethylphenol						
2,4-dinitrophenol						
2,4-dinitrotoluene						
2,6-dichlorophenol						
2,6-dinitrotoluene						
2-acetylaminofluorene						
2-butanone (mek)	<10	<10	<10	<10	<10	<10
2-chloronaphthalene						
2-chlorophenol						
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
2-methylnaphthalene						
2-methylphenol (o-cresol)						
2-naphthylamine						
2-nitroaniline						
2-nitrophenol						
3,3'-dichlorobenzidine						
3,3-dimethylbenzidine						
3-methylcholanthrene						
3-nitroaniline						
4,4'-ddd						
4,4'-dde						
4,4'-ddt						
4,6-dinitro-2-methylphenol						
4-aminobiphenyl						
4-bromophenyl phenyl ether						
4-chloro-3-methylphenol						
4-chloroaniline						
4-chlorophenyl phenyl ether						
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5
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-56

Constituents	Units	9/25/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	12/5/2017	3/19/2018
Antimony, total	ug/L				<2.0		<2.0		<2.0
Arochlor 1016	ug/L				<.10				
Arochlor 1221	ug/L				<.20				
Arochlor 1232	ug/L				<.20				
Arochlor 1242	ug/L				<.20				
Arochlor 1248	ug/L				<.20				
Arochlor 1254	ug/L				<.10				
Arochlor 1260	ug/L				<.10				
Arsenic, total	ug/L				<4		<4		<4
Azobenzene	ug/L				<8				
Barium, total	ug/L				30.3		28.9		15.4
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.4		<1.0
Benzo(a)anthracene	ug/L				<8				
Benzo(a)pyrene	ug/L				<8				
Benzo(b)fluoranthene	ug/L				<8				
Benzo(g,h,i)perylene	ug/L				<8				
Benzo(k)fluoranthene	ug/L				<8				
Benzyl alcohol	ug/L				<8				
Beryllium, total	ug/L				<4.0		<4.0		<4.0
Beta-bhc	ug/L				<.05				
Bis (2-chloroethoxy) methane	ug/L				<8				
Bis(2-chloroethyl) ether	ug/L				<8				
Bis(2-ethylhexyl) phthalate	ug/L				<8				
Bis[2-chloroisopropyl]ether	ug/L				<8				
Bromochloromethane	ug/L				<1		<1		<1
Bromodichloromethane	ug/L				<1		<1		<1
Bromoform	ug/L				<1		<1		<1
Bromomethane	ug/L				<1		<1		<1
Butyl benzyl phthalate	ug/L				<8				
Cadmium, total	ug/L				<.8		<.8		<.8
Carbon disulfide	ug/L				<1		<1		<1
Carbon tetrachloride	ug/L				<1		<1		<1
Chemical oxygen demand	mg/L	27 *	40 *	80 *		12			
Chlordane	ug/L				<.1				
Chloride	mg/L	65 *	84 *	42 *		65			
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1		<1
Chlorobenzilate	ug/L				<8				
Chloroethane	ug/L				<1		<1		<1
Chloroform	ug/L				<1		<1		<1
Chloromethane	ug/L				<1		<1		<1
Chloroprene	ug/L				<1				
Chromium, total	ug/L				<8		<8		<8
Chrysene	ug/L				<8				
Cis-1,2-dichloroethylene	ug/L				<1		<1		<1
Cis-1,3-dichloropropene	ug/L				<1		<1		<1
Cobalt, total	ug/L				4.0		3.1		<.8
Copper, total	ug/L				<4		<4		<4
Cyanide, total	mg/L				<.005				
Delta-bhc	ug/L				<.05				
Diallate	ug/L				<8				
Dibenzo(a,h)anthracene	ug/L				<8				
Dibenzofuran	ug/L				<8				
Dibromochloromethane	ug/L				<1		<1		<1
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
Famphur	ug/L				<.4				
Fluoranthene	ug/L				<8				
Fluorene	ug/L				<8				
Gamma-bhc [lindane]	ug/L				<.05				
Heptachlor	ug/L				<.05				

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

Table 9

Analytical Data Summary for MW-56

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022
Antimony, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arochlor 1016							<.13		
Arochlor 1221							<.25		
Arochlor 1232							<.25		
Arochlor 1242							<.25		
Arochlor 1248							<.25		
Arochlor 1254							<.13		
Arochlor 1260							<.13		
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene							<8		
Barium, total	26.9	23.0	31.6	20.9	28.7	15.9	33.5	13.2	28.6
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		
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
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chemical oxygen demand									
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-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	3.2	<.8	2.7	1.8	3.7	<.4	3.3
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Cyanide, total							<.005		
Delta-bhc							<.05		
Diallate							<8		
Dibenzo(a,h)anthracene							<8		
Dibenzofuran							<8		
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane							<1		
Dieldrin							<.05		
Diethyl phthalate							<8		
Dimethoate							<.4		
Dimethylphthalate							<8		
Di-n-butyl phthalate							<8		
Di-n-octyl phthalate							<8		
Dinoseb							<.5		
Diphenylamine							<8		
Disulfoton							<.4		
Endosulfan i							<.05		
Endosulfan ii							<.05		
Endosulfan sulfate							<.05		
Endrin							<.05		
Endrin aldehyde							<.05		
Ethyl methacrylate							<10		
Ethyl methanesulfonate							<8		
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur							<.4		
Fluoranthene							<8		
Fluorene							<8		
Gamma-bhc [lindane]							<.05		
Heptachlor							<.05		

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

Table 9

Analytical Data Summary for MW-56

Constituents	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Antimony, total	<2.0	<2.0	<2.0	<2.0	<2.0	2.2
Arochlor 1016						
Arochlor 1221						
Arochlor 1232						
Arochlor 1242						
Arochlor 1248						
Arochlor 1254						
Arochlor 1260						
Arsenic, total	<4	<4	<4	<4	<4	<2
Azobenzene						
Barium, total	13.8	25.8	23.5	39.2	18.2	46.0
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						
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
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chemical oxygen demand						
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-dichloroethylene	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	<.4	2.1	.6	2.5	<.4	3.3
Copper, total	<4	<4	<4	<4	<4	<5
Cyanide, total						
Delta-bhc						
Diallate						
Dibenzo(a,h)anthracene						
Dibenzofuran						
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane						
Dieldrin						
Diethyl phthalate						
Dimethoate						
Dimethylphthalate						
Di-n-butyl phthalate						
Di-n-octyl phthalate						
Dinoseb						
Diphenylamine						
Disulfoton						
Endosulfan i						
Endosulfan ii						
Endosulfan sulfate						
Endrin						
Endrin aldehyde						
Ethyl methacrylate						
Ethyl methanesulfonate						
Ethylbenzene	<1	<1	<1	<1	<1	<1
Famphur						
Fluoranthene						
Fluorene						
Gamma-bhc [lindane]						
Heptachlor						

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

Table 9

Analytical Data Summary for MW-56

Constituents	Units	9/25/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	12/5/2017	3/19/2018
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				
Iron, dissolved	ug/L	1140	421	841		580			
Isobutanol	ug/L				<1000				
Isodrin	ug/L				<8				
Isophorone	ug/L				<8				
Isosafrole	ug/L				<8				
Kepone	ug/L				<8				
Lead, total	ug/L				<4.0		<4.0		<4.0
Mercury, total	ug/L				<.5				
Methacrylonitrile	ug/L				<1				
Methapyrilene	ug/L				<8				
Methoxychlor	ug/L				<.05				
Methyl iodide	ug/L				<1		<1		<1
Methyl methacrylate	ug/L				<1				
Methyl methanesulfonate	ug/L				<8				
Methyl parathion	ug/L				<.4				
Methylene chloride	ug/L				<5		<5		<5
Naphthalene	ug/L				<8				
Nickel, total	ug/L				12.2		13.8	14.0	<4.0
Nitrobenzene	ug/L				<8				
Nitrogen, ammonia	mg/L	<1 *	<1 *	<1 *		<1			
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				
pH	S.U.	7.1	7.8	6.9					
Phenacetin	ug/L				<8				
Phenanthrene	ug/L				<8				
Phenol	ug/L				<8				
Phenols, total	mg/L	<.1		<.1					
Phorate	ug/L				<.4				
Pronamide	ug/L				<8				
Propionitrile	ug/L				<10				
Pyrene	ug/L				<8				
Safrole	ug/L				<8				
Selenium, total	ug/L				<4		<4		<4
Silver, total	ug/L				<4		<4		<4
Specific conductance	umhos/cm	1784	2480	1313					
Styrene	ug/L				<1		<1		<1
Sulfide, total	mg/L				<.1				
Tetrachloroethylene	ug/L				<1		<1		<1
Thallium, total	ug/L				<4.0		<4.0		<4.0
Thionazin	ug/L				<.4				
Tin, total	ug/L				<20				
Toluene	ug/L				<1		<1		<1
Total organic halogens (tox)	mg/L	.039		<.010					
Toxaphene	ug/L				<.2				
Trans-1,2-dichloroethylene	ug/L				<1		<1		<1
Trans-1,3-dichloropropene	ug/L				<1		<1		<1
Trans-1,4-dichloro-2-butene	ug/L				<5		<5		<5
Trichloroethylene	ug/L				<1		<1		<1
Trichlorofluoromethane	ug/L				<1		<1		<1
Vanadium, total	ug/L				<20		<20		<20
Vinyl acetate	ug/L				<5		<5		<5
Vinyl chloride	ug/L	<1.0	<1.0	<1.0	2.8	<1.0	4.2		<1.0
Xylenes, total	ug/L				<2		<2		<2
Zinc, total	ug/L				19.4		22.9		<8.0

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

Table 9

Analytical Data Summary for MW-56

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022
Heptachlor epoxide							<.05		
Hexachlorobenzene							<.05		
Hexachlorobutadiene							<8		
Hexachlorocyclopentadiene							<8		
Hexachloroethane							<8		
Hexachloropropene							<8		
Indeno(1,2,3-cd)pyrene							<8		
Iron, dissolved									
Isobutanol							<1000		
Isodrin							<8		
Isophorone							<8		
Isosafrole							<8		
Kepone							<8		
Lead, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Mercury, total							<.5		
Methacrylonitrile							<1		
Methapyrilene							<8		
Methoxychlor							<.05		
Methyl iodide	<1	<1	<1	<1	<1	<1	<2	<1	<1
Methyl methacrylate							<1		
Methyl methanesulfonate							<8		
Methyl parathion							<.4		
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene							<8		
Nickel, total	<4.0	<4.0	7.0	<4.0	10.9	<4.0	13.1	<4.0	10.1
Nitrobenzene							<8		
Nitrogen, ammonia									
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		
pH									
Phenacetin							<8		
Phenanthrene							<8		
Phenol							<8		
Phenols, total									
Phorate							<.4		
Pronamide							<8		
Propionitrile							<10		
Pyrene							<8		
Safrole							<8		
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<8	<4	<4	<4	<4	<4	<4	<4	<4
Specific conductance									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total							<.1		
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin							<.4		
Tin, total							<20		
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total organic halogens (tox)									
Toxaphene							<.2		
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	2.2	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	11.5	34.6	<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-56

Constituents	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Heptachlor epoxide						
Hexachlorobenzene						
Hexachlorobutadiene						
Hexachlorocyclopentadiene						
Hexachloroethane						
Hexachloropropene						
Indeno(1,2,3-cd)pyrene						
Iron, dissolved						
Isobutanol						
Isodrin						
Isophorone						
Isosafrole						
Kepone						
Lead, total	<4.0	<4.0	14.6	<4.0	<4.0	<1.0
Mercury, total						
Methacrylonitrile						
Methapyrilene						
Methoxychlor						
Methyl iodide	<1	<1	<1	<1	<1	<1
Methyl methacrylate						
Methyl methanesulfonate						
Methyl parathion						
Methylene chloride	<5	<5	<5	<5	<5	<5
Naphthalene						
Nickel, total	<4.0	9.6	4.7	7.3	<4.0	6.8
Nitrobenzene						
Nitrogen, ammonia						
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						
pH						
Phenacetin						
Phenanthrene						
Phenol						
Phenols, total						
Phorate						
Pronamide						
Propionitrile						
Pyrene						
Safrole						
Selenium, total	<4	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<4	<5
Specific conductance						
Styrene	<1	<1	<1	<1	<1	<1
Sulfide, total						
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5
Thionazin						
Tin, total						
Toluene	<1	<1	<1	<1	<1	<1
Total organic halogens (tox)						
Toxaphene						
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	13.3

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

Table 9

Analytical Data Summary for MW-57

Constituents	Units	9/25/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	12/5/2017	3/19/2018
(3,4)-methylphenol	ug/L								
1,1,1,2-tetrachloroethane	ug/L				<1		<1		<1
1,1,1-trichloroethane	ug/L				<1		<1		<1
1,1,2,2-tetrachloroethane	ug/L				<1		<1		<1
1,1,2-trichloroethane	ug/L				<1		<1		<1
1,1-dichloroethane	ug/L				<1		<1		<1
1,1-dichloroethylene	ug/L				<1		<1		<1
1,1-dichloropropene	ug/L								
1,2,3-trichloropropane	ug/L				<1		<1		<1
1,2,4,5-tetrachlorobenzene	ug/L								
1,2,4-trichlorobenzene	ug/L								
1,2-dibromo-3-chloropropane	ug/L				<1		<1		<1
1,2-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
1,2-dinitrobenzene	ug/L								
1,3,5-trinitrobenzene	ug/L								
1,3-dichlorobenzene	ug/L								
1,3-dichloropropane	ug/L								
1,3-dinitrobenzene	ug/L								
1,4-dichlorobenzene	ug/L				<1		<1		<1
1,4-naphthoquinone	ug/L								
1,4-phenylenediamine	ug/L								
1-naphthylamine	ug/L								
2,2-dichloropropane	ug/L								
2,3,4,6-tetrachlorophenol	ug/L								
2,4,5-t	ug/L								
2,4,5-tp (silvex)	ug/L								
2,4,5-trichlorophenol	ug/L								
2,4,6-trichlorophenol	ug/L								
2,4-d	ug/L								
2,4-dichlorophenol	ug/L								
2,4-dimethylphenol	ug/L								
2,4-dinitrophenol	ug/L								
2,4-dinitrotoluene	ug/L								
2,6-dichlorophenol	ug/L								
2,6-dinitrotoluene	ug/L								
2-acetylaminofluorene	ug/L								
2-butanone (mek)	ug/L				<5		<5		<5
2-Chloroethyl Vinyl Ether	ug/L								
2-chloronaphthalene	ug/L								
2-chlorophenol	ug/L								
2-hexanone (mbk)	ug/L				<5		<5		<5
2-methylnaphthalene	ug/L								
2-methylphenol (o-cresol)	ug/L								
2-naphthylamine	ug/L								
2-nitroaniline	ug/L								
2-nitrophenol	ug/L								
3,3'-dichlorobenzidine	ug/L								
3,3-dimethylbenzidine	ug/L								
3-methylcholanthrene	ug/L								
3-nitroaniline	ug/L								
4,4'-ddd	ug/L								
4,4'-dde	ug/L								
4,4'-ddt	ug/L								
4,6-dinitro-2-methylphenol	ug/L								
4-aminobiphenyl	ug/L								
4-bromophenyl phenyl ether	ug/L								
4-chloro-3-methylphenol	ug/L								
4-chloroaniline	ug/L								
4-chlorophenyl phenyl ether	ug/L								
4-methyl-2-pentanone (mibk)	ug/L				<5		<5		<5
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		18.2		<10.0
Acetonitrile	ug/L								
Acetophenone	ug/L								
Acrolein	ug/L								
Acrylonitrile	ug/L				<5		<5		<5
Aldrin	ug/L								
Allyl chloride	ug/L								
Alpha-bhc	ug/L								

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

Table 9

Analytical Data Summary for MW-57

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	6/18/2020	9/15/2020	12/3/2020	3/2/2021	9/7/2021
(3,4)-methylphenol									
1,1,1,2-tetrachloroethane	<1	<1	<1	<1		<1		<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1		<1		<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1		<1		<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1		<1		<1	<1
1,1-dichloroethane	<1	<1	<1	<1		<1		<1	<1
1,1-dichloroethylene	<1	<1	<1	<1		<1		<1	<1
1,1-dichloropropene									
1,2,3-trichloropropane	<1	<1	<1	<1		<1		<1	<1
1,2,4,5-tetrachlorobenzene									
1,2,4-trichlorobenzene									
1,2-dibromo-3-chloropropane	<1	<1	<1	<5		<5		<5	<5
1,2-dibromoethane	<1	<1	<1	<1		<1		<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1		<1		<1	<1
1,2-dichloroethane	<1	<1	<1	<1		<1		<1	<1
1,2-dichloropropane	<1	<1	<1	<1		<1		<1	<1
1,2-dinitrobenzene									
1,3,5-trinitrobenzene									
1,3-dichlorobenzene									
1,3-dichloropropane									
1,3-dinitrobenzene									
1,4-dichlorobenzene	<1	<1	<1	<1		<1		<1	<1
1,4-naphthoquinone									
1,4-phenylenediamine									
1-naphthylamine									
2,2-dichloropropane									
2,3,4,6-tetrachlorophenol									
2,4,5-t									
2,4,5-tp (silvex)									
2,4,5-trichlorophenol									
2,4,6-trichlorophenol									
2,4-d									
2,4-dichlorophenol									
2,4-dimethylphenol									
2,4-dinitrophenol									
2,4-dinitrotoluene									
2,6-dichlorophenol									
2,6-dinitrotoluene									
2-acetylaminofluorene									
2-butanone (mek)	<5	<5	<5	<5		<5		<5	<5
2-Chloroethyl Vinyl Ether									
2-chloronaphthalene									
2-chlorophenol									
2-hexanone (mbk)	<5	<5	<5	<5		<5		<5	<5
2-methylnaphthalene									
2-methylphenol (o-cresol)									
2-naphthylamine									
2-nitroaniline									
2-nitrophenol									
3,3'-dichlorobenzidine									
3,3-dimethylbenzidine									
3-methylcholanthrene									
3-nitroaniline									
4,4'-ddd									
4,4'-dde									
4,4'-ddt									
4,6-dinitro-2-methylphenol									
4-aminobiphenyl									
4-bromophenyl phenyl ether									
4-chloro-3-methylphenol									
4-chloroaniline									
4-chlorophenyl phenyl ether									
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5		<5		<5	<5
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									

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

Table 9

Analytical Data Summary for MW-57

Constituents	12/3/2021	3/24/2022	8/31/2022	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
(3,4)-methylphenol				<8				<8	
1,1,1,2-tetrachloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene		<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene				<1				<1	
1,2,3-trichloropropane		<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene				<8				<8	
1,2,4-trichlorobenzene				<1				<1	
1,2-dibromo-3-chloropropane		<5	<5	<1	<5	<5	<5	<1	<5
1,2-dibromoethane		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene				<8				<8	
1,3,5-trinitrobenzene				<8				<8	
1,3-dichlorobenzene				<1				<1	
1,3-dichloropropane				<1				<1	
1,3-dinitrobenzene				<8				<8	
1,4-dichlorobenzene		<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone				<8				<8	
1,4-phenylenediamine				<8				<8	
1-naphthylamine				<8				<8	
2,2-dichloropropane				<1				<1	
2,3,4,6-tetrachlorophenol				<8				<8	
2,4,5-t				<5				<5	
2,4,5-tp (silvex)				<5				<5	
2,4,5-trichlorophenol				<8				<8	
2,4,6-trichlorophenol				<8				<8	
2,4-d				<2				<2	
2,4-dichlorophenol				<8				<8	
2,4-dimethylphenol				<8				<8	
2,4-dinitrophenol				<8				<8	
2,4-dinitrotoluene				<8				<8	
2,6-dichlorophenol				<8				<8	
2,6-dinitrotoluene				<8				<8	
2-acetylaminofluorene				<8				<8	
2-butanone (mek)		<10	<10	<5	<10	<10	<10	<5	<10
2-Chloroethyl Vinyl Ether				<2				<8	
2-chloronaphthalene				<8				<8	
2-chlorophenol				<8				<8	
2-hexanone (mbk)		<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene				<8				<8	
2-methylphenol (o-cresol)				<8				<8	
2-naphthylamine				<8				<8	
2-nitroaniline				<8				<8	
2-nitrophenol				<8				<8	
3,3'-dichlorobenzidine				<8				<8	
3,3-dimethylbenzidine				<8				<8	
3-methylcholanthrene				<8				<8	
3-nitroaniline				<8				<8	
4,4'-ddd				<.05				<.05	
4,4'-dde				<.05				<.05	
4,4'-ddt				<.05				<.05	
4,6-dinitro-2-methylphenol				<8				<8	
4-aminobiphenyl				<8				<8	
4-bromophenyl phenyl ether				<8				<8	
4-chloro-3-methylphenol				<8				<8	
4-chloroaniline				<8				<8	
4-chlorophenyl phenyl ether				<8				<8	
4-methyl-2-pentanone (mibk)		<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline				<8				<8	
4-nitrophenol				<8				<8	
5-nitro-o-toluidine				<8				<8	
7,12-dimethylbenz [a] anthracene				<8				<8	
Acenaphthene				<8				<8	
Acenaphthylene				<8				<8	
Acetone		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile				<10				<10	
Acetophenone				<8				<8	
Acrolein				<10				<10	
Acrylonitrile		<5	<5	<5	<5	<5	<5	<5	<5
Aldrin				<.05				<.05	
Allyl chloride				<1				<1	
Alpha-bhc				<.05				<.05	

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

Table 9

Analytical Data Summary for MW-57

Constituents	Units	9/25/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	12/5/2017	3/19/2018
Anthracene	ug/L								
Antimony, total	ug/L				<2		<2		<2
Arochlor 1016	ug/L								
Arochlor 1221	ug/L								
Arochlor 1232	ug/L								
Arochlor 1242	ug/L								
Arochlor 1248	ug/L								
Arochlor 1254	ug/L								
Arochlor 1260	ug/L								
Arsenic, total	ug/L				<4.0		4.1		<4.0
Azobenzene	ug/L								
Barium, total	ug/L				301		563	398	279
Benzene	ug/L				<1		<1		<1
Benzo(a)anthracene	ug/L								
Benzo(a)pyrene	ug/L								
Benzo(b)fluoranthene	ug/L								
Benzo(g,h,i)perylene	ug/L								
Benzo(k)fluoranthene	ug/L								
Benzyl alcohol	ug/L								
Beryllium, total	ug/L				<4.0		<4.0		<4.0
Beta-bhc	ug/L								
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				<1		<1		<1
Bromodichloromethane	ug/L				<1		<1		<1
Bromoform	ug/L				<1		<1		<1
Bromomethane	ug/L				<1		<1		<1
Butyl benzyl phthalate	ug/L								
Cadmium, total	ug/L				<.8		<.8		<.8
Carbon disulfide	ug/L				<1		<1		<1
Carbon tetrachloride	ug/L				<1		<1		<1
Chemical oxygen demand	mg/L	25 *	20 *	21 *		13			
Chlordane	ug/L								
Chloride	mg/L	41 *	81 *	54 *		116			
Chlorobenzene	ug/L				<1		<1		<1
Chlorobenzilate	ug/L								
Chloroethane	ug/L				<1		<1		<1
Chloroform	ug/L				<1		<1		<1
Chloromethane	ug/L				<1		<1		<1
Chloroprene	ug/L								
Chromium, total	ug/L				<8		<8		<8
Chrysene	ug/L								
Cis-1,2-dichloroethylene	ug/L				<1		<1		<1
Cis-1,3-dichloropropene	ug/L				<1		<1		<1
Cobalt, total	ug/L				<.8		4.2		<.8
Copper, total	ug/L				<4.0		<4.0		<4.0
Cyanide, total	mg/L								
Delta-bhc	ug/L								
Diallate	ug/L								
Dibenzo(a,h)anthracene	ug/L								
Dibenzofuran	ug/L								
Dibromochloromethane	ug/L				<1		<1		<1
Dibromomethane	ug/L				<1		<1		<1
Dichlorodifluoromethane	ug/L								
Dieldrin	ug/L								
Diethyl phthalate	ug/L								
Dimethoate	ug/L								
Dimethylphthalate	ug/L								
Di-n-butyl phthalate	ug/L								
Di-n-octyl phthalate	ug/L								
Dinoseb	ug/L								
Diphenylamine	ug/L								
Disulfoton	ug/L								
Endosulfan i	ug/L								
Endosulfan ii	ug/L								
Endosulfan sulfate	ug/L								
Endrin	ug/L								
Endrin aldehyde	ug/L								
Ethyl methacrylate	ug/L								
Ethyl methanesulfonate	ug/L								
Ethylbenzene	ug/L				<1		<1		<1
Famphur	ug/L								
Fluoranthene	ug/L								
Fluorene	ug/L								
Gamma-bhc [lindane]	ug/L								

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

Table 9

Analytical Data Summary for MW-57

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	6/18/2020	9/15/2020	12/3/2020	3/2/2021	9/7/2021
Anthracene									
Antimony, total	<2	<2	<2	<2		<2		<2	<2
Arochlor 1016									
Arochlor 1221									
Arochlor 1232									
Arochlor 1242									
Arochlor 1248									
Arochlor 1254									
Arochlor 1260									
Arsenic, total	<4.0	<4.0	<4.0	4.5		5.5		<4.0	4.7
Azobenzene									
Barium, total	189	287	344	513	301	517	388	112	507
Benzene	<1	<1	<1	<1		<1		<1	<1
Benzo(a)anthracene									
Benzo(a)pyrene									
Benzo(b)fluoranthene									
Benzo(g,h,i)perylene									
Benzo(k)fluoranthene									
Benzyl alcohol									
Beryllium, total	<4.0	<4.0	<4.0	<4.0		<4.0		<4.0	<4.0
Beta-bhc									
Bis (2-chloroethoxy) methane									
Bis(2-chloroethyl) ether									
Bis(2-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	<.8
Carbon disulfide	<1	<1	<1	<1		<1		<1	<1
Carbon tetrachloride	<1	<1	<1	<1		<1		<1	<1
Chemical oxygen demand									
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	<8	<8	<8		<8		<8	<8
Chrysene									
Cis-1,2-dichloroethylene	<1	<1	<1	<1		<1		<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1		<1		<1	<1
Cobalt, total	<.8	<.8	<.8	1.1		2.4		1.0	3.1
Copper, total	<4.0	<4.0	<4.0	4.2	<4.0	<4.0		<4.0	<4.0
Cyanide, total									
Delta-bhc									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromochloromethane	<1	<1	<1	<1		<1		<1	<1
Dibromomethane	<1	<1	<1	<1		<1		<1	<1
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethylphthalate									
Di-n-butyl phthalate									
Di-n-octyl phthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan i									
Endosulfan ii									
Endosulfan sulfate									
Endrin									
Endrin aldehyde									
Ethyl methacrylate									
Ethyl methanesulfonate									
Ethylbenzene	<1	<1	<1	<1		<1		<1	<1
Famphur									
Fluoranthene									
Fluorene									
Gamma-bhc [lindane]									

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

Table 9

Analytical Data Summary for MW-57

Constituents	12/3/2021	3/24/2022	8/31/2022	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Anthracene				<8				<8	
Antimony, total		<2	<2	<2	<2	<2	<2	<2	<1
Arochlor 1016				<1				<2	
Arochlor 1221				<2				<2	
Arochlor 1232				<2				<2	
Arochlor 1242				<2				<2	
Arochlor 1248				<2				<2	
Arochlor 1254				<1				<2	
Arochlor 1260				<1				<2	
Arsenic, total		<4.0	4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0
Azobenzene				<8				<8	
Barium, total	362	317	509	254	445	250	302	164	343
Benzene		<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene				<8				<8	
Benzo(a)pyrene				<8				<8	
Benzo(b)fluoranthene				<8				<8	
Benzo(g,h,i)perylene				<8				<8	
Benzo(k)fluoranthene				<8				<8	
Benzyl alcohol				<8				<8	
Beryllium, total		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5
Beta-bhc				<.05				<.05	
Bis (2-chloroethoxy) methane				<8				<8	
Bis(2-chloroethyl) ether				<8				<8	
Bis(2-ethylhexyl) phthalate				7				<6	
Bis[2-chloroisopropyl]ether				<8				<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				<8	
Cadmium, total		<8	<8	<8	<8	<8	<8	<8	<2
Carbon disulfide		<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride		<1	<1	<1	<1	<1	<1	<1	<1
Chemical oxygen demand									
Chlordane				<.1				<.1	
Chloride									
Chlorobenzene		<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate				<8				<8	
Chloroethane		<1	<1	<1	<1	<1	<1	<1	<1
Chloroform		<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane		<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene				<1				<1	
Chromium, total		<8	<8	<8	<8	<8	<8	<8	1
Chrysene				<8				<8	
Cis-1,2-dichloroethylene		<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene		<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total		.7	3.5	.5	.5	.4	1.0	<.4	.5
Copper, total		<4.0	5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0
Cyanide, total				<.005				<.010	
Delta-bhc				<.05				<.05	
Diallate				<8				<8	
Dibenzo(a,h)anthracene				<8				<8	
Dibenzofuran				<8				<8	
Dibromochloromethane		<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane		<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane				<1				<1	
Dieldrin				<.05				<.05	
Diethyl phthalate				<8				<8	
Dimethoate				<.4				<.4	
Dimethylphthalate				<8				<8	
Di-n-butyl phthalate				<8				<8	
Di-n-octyl phthalate				<8				<8	
Dinoseb				<.5				<.5	
Diphenylamine				<8				<8	
Disulfoton				<.4				<.4	
Endosulfan i				<.05				<.05	
Endosulfan ii				<.05				<.05	
Endosulfan sulfate				<.05				<.05	
Endrin				<.05				<.05	
Endrin aldehyde				<.05				<.05	
Ethyl methacrylate				<10				<10	
Ethyl methanesulfonate				<8				<8	
Ethylbenzene		<1	<1	<1	<1	<1	<1	<1	<1
Famphur				<.4				<.4	
Fluoranthene				<8				<8	
Fluorene				<8				<8	
Gamma-bhc [lindane]				<.05				<.05	

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

Table 9

Analytical Data Summary for MW-57

Constituents	Units	9/25/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	12/5/2017	3/19/2018
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								
Iron, dissolved	ug/L	<100	<100	<100		<100			
Isobutanol	ug/L								
Isodrin	ug/L								
Isophorone	ug/L								
Isosafrole	ug/L								
Kepone	ug/L								
Lead, total	ug/L				<4		<4		<4
Mercury, total	ug/L								
Methacrylonitrile	ug/L								
Methapyrilene	ug/L								
Methoxychlor	ug/L								
Methyl iodide	ug/L				<1		<1		<1
Methyl methacrylate	ug/L								
Methyl methanesulfonate	ug/L								
Methyl parathion	ug/L								
Methylene chloride	ug/L				<5		<5		<5
Naphthalene	ug/L								
Nickel, total	ug/L				4.3		9.0		4.1
Nitrobenzene	ug/L								
Nitrogen, ammonia	mg/L	<1 *	<1 *	<1 *		<1			
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								
pH	S.U.	7.5	7.6	7.4					
Phenacetin	ug/L								
Phenanthrene	ug/L								
Phenol	ug/L								
Phenols, total	mg/L	<.1		<.1					
Phorate	ug/L								
Pronamide	ug/L								
Propionitrile	ug/L								
Pyrene	ug/L								
Safrole	ug/L								
Selenium, total	ug/L				<4		<4		<4
Silver, total	ug/L				<4		<4		<4
Specific conductance	umhos/cm	1437	1677	1518					
Styrene	ug/L				<1		<1		<1
Sulfide, total	mg/L								
Tetrachloroethylene	ug/L				<1		<1		<1
Thallium, total	ug/L				<4.0		<4.0		<4.0
Thionazin	ug/L								
Tin, total	ug/L								
Toluene	ug/L				<1		<1		<1
Total organic halogens (tox)	mg/L	.036		<.010					
Toxaphene	ug/L								
Trans-1,2-dichloroethylene	ug/L				<1		<1		<1
Trans-1,3-dichloropropene	ug/L				<1		<1		<1
Trans-1,4-dichloro-2-butene	ug/L				<5		<5		<5
Trichloroethylene	ug/L				<1		<1		<1
Trichlorofluoromethane	ug/L				<1		<1		<1
Vanadium, total	ug/L				<20		<20		<20
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				<8.0		<8.0		<8.0

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

Table 9

Analytical Data Summary for MW-57

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	6/18/2020	9/15/2020	12/3/2020	3/2/2021	9/7/2021
Heptachlor									
Heptachlor epoxide									
Hexachlorobenzene									
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Iron, dissolved									
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	<4	<4	<4	<4		<4		<4	<4
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl iodide	<1	<1	<1	<1		<1		<1	<1
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene chloride	<5	<5	<5	<5		<5		<5	<5
Naphthalene									
Nickel, total	<4.0	<4.0	<4.0	<4.0		5.9		<4.0	5.9
Nitrobenzene									
Nitrogen, ammonia									
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									
pH									
Phenacetin									
Phenanthrene									
Phenol									
Phenols, total									
Phorate									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium, total	<4	<4	<4	<4		<4		<4	<4
Silver, total	<8	<4	<4	<4		<4		<4	<4
Specific conductance									
Styrene	<1	<1	<1	<1		<1		<1	<1
Sulfide, total									
Tetrachloroethylene	<1	<1	<1	<1		<1		<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0		<2.0		<2.0	<2.0
Thionazin									
Tin, total									
Toluene	<1	<1	<1	<1		<1		<1	<1
Total organic halogens (tox)									
Toxaphene									
Trans-1,2-dichloroethylene	<1	<1	<1	<1		<1		<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1		<1		<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5		<5		<5	<5
Trichloroethylene	<1	<1	<1	<1		<1		<1	<1
Trichlorofluoromethane	<1	<1	<1	<1		<1		<1	<1
Vanadium, total	<20	<20	<20	<20		<20		<20	<20
Vinyl acetate	<5	<5	<5	<5		<5		<5	<5
Vinyl chloride	<1	<1	<1	<1		<1		<1	<1
Xylenes, total	<2	<2	<2	<2		<2		<2	<2
Zinc, total	9.5	25.8	<20.0	<20.0		<20.0		<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-57

Constituents	12/3/2021	3/24/2022	8/31/2022	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Heptachlor				<.05				<.05	
Heptachlor epoxide				<.05				<.05	
Hexachlorobenzene				<.05				<.05	
Hexachlorobutadiene				<8				<8	
Hexachlorocyclopentadiene				<8				<8	
Hexachloroethane				<8				<8	
Hexachloropropene				<8				<8	
Indeno(1,2,3-cd)pyrene				<8				<8	
Iron, dissolved									
Isobutanol				<1000				<1000	
Isodrin				<8				<8	
Isophorone				<8				<8	
Isosafrole				<8				<8	
Kepone				<8				<8	
Lead, total		<4	<4	<4	<4	<4	<4	<4	<1
Mercury, total				<.5				<.5	
Methacrylonitrile				<1				<1	
Methapyrilene				<8				<8	
Methoxychlor				<.05				<.05	
Methyl iodide		<1	<1	<2	<1	<1	<1	<2	<1
Methyl methacrylate				<1				<1	
Methyl methanesulfonate				<8				<8	
Methyl parathion				<4				<4	
Methylene chloride		<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene				<8				<8	
Nickel, total		<4.0	6.0	<4.0	<4.0	<4.0	4.6	<4.0	<5.0
Nitrobenzene				<8				<8	
Nitrogen, ammonia									
N-nitrosodiethylamine				<8				<8	
N-nitrosodimethylamine				<8				<8	
N-nitrosodi-n-butylamine				<8				<8	
N-nitroso-di-n-propylamine				<8				<8	
N-nitrosodiphenylamine				<8				<8	
N-nitrosomethylethylamine				<8				<8	
N-nitrosopiperidine				<8				<8	
N-nitrosopyrrolidine				<8				<8	
O,o,o-triethyl phosphorothioate				<4				<4	
O-toluidine				<8				<8	
P-(dimethylamino)azobenzene				<8				<8	
Parathion				<4				<4	
Pentachlorobenzene				<8				<8	
Pentachloronitrobenzene (pcnb)				<8				<8	
Pentachlorophenol				<8				<8	
pH									
Phenacetin				<8				<8	
Phenanthrene				<8				<8	
Phenol				<8				<8	
Phenols, total									
Phorate				<4				<4	
Pronamide				<8				<8	
Propionitrile				<10				<10	
Pyrene				<8				<8	
Safrole				<8				<8	
Selenium, total		<4	<4	<4	<4	<4	<4	<4	<2
Silver, total		<4	<4	<4	<4	<4	<4	<4	<5
Specific conductance									
Styrene		<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total				<1				<1	
Tetrachloroethylene		<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5
Thionazin				<4				<4	
Tin, total				<20				<20	
Toluene		<1	<1	<1	<1	<1	<1	<1	<1
Total organic halogens (tox)									
Toxaphene				<2				<2	
Trans-1,2-dichloroethylene		<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene		<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene		<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene		<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane		<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total		<20	<20	<20	<20	<20	<20	<20	<2
Vinyl acetate		<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride		<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total		<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total		<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	14.8

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

Table 9

Analytical Data Summary for MW-58

Constituents	Units	9/24/2014	3/11/2015	9/17/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018
(3,4)-methylphenol	ug/L		<8						
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L		<1						
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L		<8						
1,2,4-trichlorobenzene	ug/L		<1						
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L		<8						
1,3,5-trinitrobenzene	ug/L		<8						
1,3-dichlorobenzene	ug/L		<1						
1,3-dichloropropane	ug/L		<1						
1,3-dinitrobenzene	ug/L		<8						
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L		<8						
1,4-phenylenediamine	ug/L		<8						
1-naphthylamine	ug/L		<8						
2,2-dichloropropane	ug/L		<1						
2,3,4,6-tetrachlorophenol	ug/L		<8						
2,4,5-t	ug/L		<5						
2,4,5-tp (silvex)	ug/L		<5						
2,4,5-trichlorophenol	ug/L		<8						
2,4,6-trichlorophenol	ug/L		<8						
2,4-d	ug/L		<2						
2,4-dichlorophenol	ug/L		<8						
2,4-dimethylphenol	ug/L		<8						
2,4-dinitrophenol	ug/L		<8						
2,4-dinitrotoluene	ug/L		<8						
2,6-dichlorophenol	ug/L		<8						
2,6-dinitrotoluene	ug/L		<8						
2-acetylaminofluorene	ug/L		<8						
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L		<8						
2-chlorophenol	ug/L		<8						
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L		<8						
2-methylphenol (o-cresol)	ug/L		<8						
2-naphthylamine	ug/L		<8						
2-nitroaniline	ug/L		<8						
2-nitrophenol	ug/L		<8						
3,3'-dichlorobenzidine	ug/L		<8						
3,3-dimethylbenzidine	ug/L		<8						
3-methylcholanthrene	ug/L		<8						
3-nitroaniline	ug/L		<8						
4,4'-ddd	ug/L		<.05						
4,4'-dde	ug/L		<.05						
4,4'-ddt	ug/L		<.05						
4,6-dinitro-2-methylphenol	ug/L		<8						
4-aminobiphenyl	ug/L		<8						
4-bromophenyl phenyl ether	ug/L		<8						
4-chloro-3-methylphenol	ug/L		<8						
4-chloroaniline	ug/L		<8						
4-chlorophenyl phenyl ether	ug/L		<8						
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L		<8						
4-nitrophenol	ug/L		<8						
5-nitro-o-toluidine	ug/L		<8						
7,12-dimethylbenz [a] anthracene	ug/L		<8						
Acenaphthene	ug/L		<8						
Acenaphthylene	ug/L		<8						
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L		<10						
Acetophenone	ug/L		<8						
Acrolein	ug/L		<10						
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L		<.05						
Allyl chloride	ug/L		<1						
Alpha-bhc	ug/L		<.05						
Anthracene	ug/L		<8						

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

Table 9

Analytical Data Summary for MW-58

Constituents	9/11/2018	12/5/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022
(3,4)-methylphenol					<8				
1,1,1,2-tetrachloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1		<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene					<1				
1,2,3-trichloropropane	<1		<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					<8				
1,2,4-trichlorobenzene					<1				
1,2-dibromo-3-chloropropane	<1		<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene					<8				
1,3,5-trinitrobenzene					<8				
1,3-dichlorobenzene					<1				
1,3-dichloropropane					<1				
1,3-dinitrobenzene					<8				
1,4-dichlorobenzene	<1		<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone					<8				
1,4-phenylenediamine					<8				
1-naphthylamine					<8				
2,2-dichloropropane					<1				
2,3,4,6-tetrachlorophenol					<8				
2,4,5-t					<.5				
2,4,5-tp (silvex)									
2,4,5-trichlorophenol					<8				
2,4,6-trichlorophenol					<8				
2,4-d									
2,4-dichlorophenol					<8				
2,4-dimethylphenol					<8				
2,4-dinitrophenol					<8				
2,4-dinitrotoluene					<8				
2,6-dichlorophenol					<8				
2,6-dinitrotoluene					<8				
2-acetylaminofluorene					<8				
2-butanone (mek)	<5		<5	<5	<5	<5	<5	<5	<10
2-chloronaphthalene					<8				
2-chlorophenol					<8				
2-hexanone (mbk)	<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 (mibk)	<5		<5	<5	<5	<5	<5	<5	<5
4-nitroaniline					<8				
4-nitrophenol					<8				
5-nitro-o-toluidine					<8				
7,12-dimethylbenz [a] anthracene					<8				
Acenaphthene					<8				
Acenaphthylene					<8				
Acetone	<10		<10	<10	<10	<10	<10	<10	<10
Acetonitrile					<10				
Acetophenone					<8				
Acrolein					<10				
Acrylonitrile	<5		<5	<5	<5	<5	<5	<5	<5
Aldrin					<.05				
Allyl chloride					<1				
Alpha-bhc					<.05				
Anthracene					<8				

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

Table 9

Analytical Data Summary for MW-58

Constituents	8/31/2022	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
(3,4)-methylphenol						<8	
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene						<1	
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene						<8	
1,2,4-trichlorobenzene						<1	
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<1	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene						<8	
1,3,5-trinitrobenzene						<8	
1,3-dichlorobenzene						<1	
1,3-dichloropropane						<1	
1,3-dinitrobenzene						<8	
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone						<8	
1,4-phenylenediamine						<8	
1-naphthylamine						<8	
2,2-dichloropropane						<1	
2,3,4,6-tetrachlorophenol						<8	
2,4,5-t						<5	
2,4,5-tp (silvex)						<5	
2,4,5-trichlorophenol						<8	
2,4,6-trichlorophenol						<8	
2,4-d						<1	
2,4-dichlorophenol						<8	
2,4-dimethylphenol						<8	
2,4-dinitrophenol						<8	
2,4-dinitrotoluene						<8	
2,6-dichlorophenol						<8	
2,6-dinitrotoluene						<8	
2-acetylaminofluorene						<8	
2-butanone (mek)	<10	<10	<10	<10	<10	<5	<10
2-chloronaphthalene						<8	
2-chlorophenol						<8	
2-hexanone (mbk)	<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 (mibk)	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline						<8	
4-nitrophenol						<8	
5-nitro-o-toluidine						<8	
7,12-dimethylbenz [a] anthracene						<8	
Acenaphthene						<8	
Acenaphthylene						<8	
Acetone	<10	<10	<10	<10	<10	<10	<10
Acetonitrile						<10	
Acetophenone						<8	
Acrolein						<10	
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Aldrin						<.05	
Allyl chloride						<1	
Alpha-bhc						<.05	
Anthracene						<8	

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

Table 9

Analytical Data Summary for MW-58

Constituents	Units	9/24/2014	3/11/2015	9/17/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018
Antimony, total	ug/L	2.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arochlor 1016	ug/L		<1						
Arochlor 1221	ug/L		<2						
Arochlor 1232	ug/L		<2						
Arochlor 1242	ug/L		<2						
Arochlor 1248	ug/L		<2						
Arochlor 1254	ug/L		<1						
Arochlor 1260	ug/L		<1						
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene	ug/L		<8						
Barium, total	ug/L	37.8	25.0	27.4	26.4	25.9	25.7	23.6	24.7
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L		<8						
Benzo(a)pyrene	ug/L		<8						
Benzo(b)fluoranthene	ug/L		<8						
Benzo(g,h,i)perylene	ug/L		<8						
Benzo(k)fluoranthene	ug/L		<8						
Benzyl alcohol	ug/L		<8						
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L		<.05						
Bis (2-chloroethoxy) methane	ug/L		<8						
Bis(2-chloroethyl) ether	ug/L		<8						
Bis(2-ethylhexyl) phthalate	ug/L		<8						
Bis[2-chloroisopropyl]ether	ug/L		<8						
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L		<8						
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L		<1						
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L		<8						
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L		<1						
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L		<8						
Cis-1,2-dichloroethylene	ug/L	3.8	5.8	5.3	4.1	5.8	4.8	5.2	4.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L		<.005						
Delta-bhc	ug/L		<.05						
Diallate	ug/L		<8						
Dibenzo(a,h)anthracene	ug/L		<8						
Dibenzofuran	ug/L		<8						
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L		<1						
Dieldrin	ug/L		<.05						
Diethyl phthalate	ug/L		<8						
Dimethoate	ug/L		<.4						
Dimethylphthalate	ug/L		<8						
Di-n-butyl phthalate	ug/L		<8						
Di-n-octyl phthalate	ug/L		<8						
Dinoseb	ug/L		<.5						
Diphenylamine	ug/L		<8						
Disulfoton	ug/L		<.4						
Endosulfan i	ug/L		<.05						
Endosulfan ii	ug/L		<.05						
Endosulfan sulfate	ug/L		<.05						
Endrin	ug/L		<.05						
Endrin aldehyde	ug/L		<.05						
Ethyl methacrylate	ug/L		<10						
Ethyl methanesulfonate	ug/L		<8						
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L		<.4						
Fluoranthene	ug/L		<8						
Fluorene	ug/L		<8						
Gamma-bhc [lindane]	ug/L		<.05						
Heptachlor	ug/L		<.05						
Heptachlor epoxide	ug/L		<.05						
Hexachlorobenzene	ug/L		<.05						

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

Table 9

Analytical Data Summary for MW-58

Constituents	9/11/2018	12/5/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022
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	24.6		30.2	24.1	23.2	24.0	22.2	24.2	23.8
Benzene	<1		<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene					<8				
Benzo(a)pyrene					<8				
Benzo(b)fluoranthene					<8				
Benzo(g,h,i)perylene					<8				
Benzo(k)fluoranthene					<8				
Benzyl alcohol					<8				
Beryllium, total	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc					<.05				
Bis (2-chloroethoxy) methane					<8				
Bis(2-chloroethyl) ether					<8				
Bis(2-ethylhexyl) phthalate					6	<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
Carbon disulfide	<1		<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1		<1	<1	<1	<1	<1	<1	<1
Chlordane					<.1				
Chlorobenzene	<1		<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate					<8				
Chloroethane	<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	<8.0		<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene					<8				
Cis-1,2-dichloroethylene	3.9		2.7	3.6	2.8	2.9	1.7	2.1	1.7
Cis-1,3-dichloropropene	<1		<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8		<.8	<.8	<.8	<.4	.8	<.4	<.4
Copper, total	25.5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total					<.005				
Delta-bhc					<.05				
Diallate					<8				
Dibenzo(a,h)anthracene					<8				
Dibenzofuran					<8				
Dibromochloromethane	<1		<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1		<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane					<1				
Dieldrin					<.05				
Diethyl phthalate					<8				
Dimethoate					<.4				
Dimethylphthalate					<8				
Di-n-butyl phthalate					<8				
Di-n-octyl phthalate					<8				
Dinoseb					<.5				
Diphenylamine					<8				
Disulfoton					<.4				
Endosulfan i					<.05				
Endosulfan ii					<.05				
Endosulfan sulfate					<.05				
Endrin					<.05				
Endrin aldehyde					<.05				
Ethyl methacrylate					<10				
Ethyl methanesulfonate					<8				
Ethylbenzene	<1		<1	<1	<1	<1	<1	<1	<1
Famphur					<.4				
Fluoranthene					<8				
Fluorene					<8				
Gamma-bhc [lindane]					<.05				
Heptachlor					<.05				
Heptachlor epoxide					<.05				
Hexachlorobenzene					<.05				

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

Table 9

Analytical Data Summary for MW-58

Constituents	8/31/2022	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Antimony, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0
Arochlor 1016						<.2	
Arochlor 1221						<.2	
Arochlor 1232						<.2	
Arochlor 1242						<.2	
Arochlor 1248						<.2	
Arochlor 1254						<.2	
Arochlor 1260						<.2	
Arsenic, total	<4	<4	<4	<4	<4	<4	<2
Azobenzene						<.8	
Barium, total	21.7	22.9	22.1	23.8	20.9	21.4	25.5
Benzene	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene						<.8	
Benzo(a)pyrene						<.8	
Benzo(b)fluoranthene						<.8	
Benzo(g,h,i)perylene						<.8	
Benzo(k)fluoranthene						<.8	
Benzyl alcohol						<.8	
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5
Beta-bhc						<.05	
Bis (2-chloroethoxy) methane						<.8	
Bis(2-chloroethyl) ether						<.8	
Bis(2-ethylhexyl) phthalate						<.6	
Bis[2-chloroisopropyl]ether						<.8	
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate						<.8	
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlordane						<.1	
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate						<.8	
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chloroprene						<1	
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	1.2
Chrysene						<.8	
Cis-1,2-dichloroethylene	1.7	1.8	1.7	1.0	<1.0	<1.0	<1.0
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.4	<.4	<.4	<.4	<.4	<.4	<.5
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0
Cyanide, total						<.010	
Delta-bhc						<.05	
Diallate						<.8	
Dibenzo(a,h)anthracene						<.8	
Dibenzofuran						<.8	
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane						<1	
Dieldrin						<.05	
Diethyl phthalate						<.8	
Dimethoate						<.4	
Dimethylphthalate						<.8	
Di-n-butyl phthalate						<.8	
Di-n-octyl phthalate						<.8	
Dinoseb						<.5	
Diphenylamine						<.8	
Disulfoton						<.4	
Endosulfan i						<.05	
Endosulfan ii						<.05	
Endosulfan sulfate						<.05	
Endrin						<.05	
Endrin aldehyde						<.05	
Ethyl methacrylate						<10	
Ethyl methanesulfonate						<.8	
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Famphur						<.4	
Fluoranthene						<.8	
Fluorene						<.8	
Gamma-bhc [lindane]						<.05	
Heptachlor						<.05	
Heptachlor epoxide						<.05	
Hexachlorobenzene						<.05	

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

Table 9

Analytical Data Summary for MW-58

Constituents	Units	9/24/2014	3/11/2015	9/17/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018
Hexachlorobutadiene	ug/L		<8						
Hexachlorocyclopentadiene	ug/L		<8						
Hexachloroethane	ug/L		<8						
Hexachloropropene	ug/L		<8						
Indeno(1,2,3-cd)pyrene	ug/L		<8						
Isobutanol	ug/L		<1000						
Isodrin	ug/L		<8						
Isophorone	ug/L		<8						
Isosafrole	ug/L		<8						
Kepone	ug/L		<8						
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L		<.5						
Methacrylonitrile	ug/L		<1						
Methapyrilene	ug/L		<8						
Methoxychlor	ug/L		<.05						
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L		<1						
Methyl methanesulfonate	ug/L		<8						
Methyl parathion	ug/L		<.4						
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L		<8						
Nickel, total	ug/L	6.5	8.7	12.8	21.2	13.3	23.8	21.1	25.5
Nitrobenzene	ug/L		<8						
N-nitrosodiethylamine	ug/L		<8						
N-nitrosodimethylamine	ug/L		<8						
N-nitrosodi-n-butylamine	ug/L		<8						
N-nitroso-di-n-propylamine	ug/L		<8						
N-nitrosodiphenylamine	ug/L		<8						
N-nitrosomethylethylamine	ug/L		<8						
N-nitrosopiperidine	ug/L		<8						
N-nitrosopyrrolidine	ug/L		<8						
O,o,o-triethyl phosphorothioate	ug/L		<.4						
O-toluidine	ug/L		<8						
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						
Pronamide	ug/L		<8						
Propionitrile	ug/L		<10						
Pyrene	ug/L		<8						
Safrole	ug/L		<8						
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L		<.1						
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L		<.4						
Tin, total	ug/L		<20						
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L		<.2						
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	8.4	15.5	<8.0	<8.0	<8.0	<8.0	<20.0	<8.0

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

Table 9

Analytical Data Summary for MW-58

Constituents	9/11/2018	12/5/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022
Hexachlorobutadiene					<8				
Hexachlorocyclopentadiene					<8				
Hexachloroethane					<8				
Hexachloropropene					<8				
Indeno(1,2,3-cd)pyrene					<8				
Isobutanol					<1000				
Isodrin					<8				
Isophorone					<8				
Isosafrole					<8				
Kepone					<8				
Lead, total	<4		<4	<4	<4	<4	<4	<4	<4
Mercury, total					<.5				
Methacrylonitrile					<1				
Methapyrilene					<8				
Methoxychlor					<.05				
Methyl iodide	<1		<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate					<1				
Methyl methanesulfonate					<8				
Methyl parathion					<.4				
Methylene chloride	<5		<5	<5	<5	<5	<5	<5	<5
Naphthalene					<8				
Nickel, total	18.4	18.4	22.9	4.3	19.9	17.7	14.7	16.3	18.3
Nitrobenzene					<8				
N-nitrosodiethylamine					<8				
N-nitrosodimethylamine					<8				
N-nitrosodi-n-butylamine					<8				
N-nitroso-di-n-propylamine					<8				
N-nitrosodiphenylamine					<8				
N-nitrosomethylethylamine					<8				
N-nitrosopiperidine					<8				
N-nitrosopyrrolidine					<8				
O,o,o-triethyl phosphorothioate					<.4				
O-toluidine					<8				
P-(dimethylamino)azobenzene					<8				
Parathion					<.4				
Pentachlorobenzene					<8				
Pentachloronitrobenzene (pcnb)					<8				
Pentachlorophenol					<8				
Phenacetin					<8				
Phenanthrene					<8				
Phenol					<8				
Phorate					<.4				
Pronamide					<8				
Propionitrile					<10				
Pyrene					<8				
Safrole					<8				
Selenium, total	<4		<4	<4	<4	<4	<4	<4	<4
Silver, total	<8		<4	<4	<4	<4	<4	<4	<4
Styrene	<1		<1	<1	<1	<1	<1	<1	<1
Sulfide, total					<.1				
Tetrachloroethylene	<1		<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0		<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
Toxaphene					<.2				
Trans-1,2-dichloroethylene	<1		<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1		<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5		<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1		<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1		<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20		<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5		<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1		<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2		<2	<2	<2	<2	<2	<2	<2
Zinc, total	20.2		31.1	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-58

Constituents	8/31/2022	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Hexachlorobutadiene						<8	
Hexachlorocyclopentadiene						<8	
Hexachloroethane						<8	
Hexachloropropene						<8	
Indeno(1,2,3-cd)pyrene						<8	
Isobutanol						<1000	
Isodrin						<8	
Isophorone						<8	
Isosafrole						<8	
Kepone						<8	
Lead, total	<4	<4	<4	<4	<4	<4	<1
Mercury, total						<.5	
Methacrylonitrile						<1	
Methapyrilene						<8	
Methoxychlor						<.05	
Methyl iodide	<1	<1	<1	<1	<1	<2	<1
Methyl methacrylate						<1	
Methyl methanesulfonate						<8	
Methyl parathion						<.4	
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Naphthalene						<8	
Nickel, total	14.7	15.5	13.9	16.7	12.6	14.2	13.1
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	
Pronamide						<8	
Propionitrile						<10	
Pyrene						<8	
Safrole						<8	
Selenium, total	<4	<4	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<4	<4	<5
Styrene	<1	<1	<1	<1	<1	<1	<1
Sulfide, total						<.1	
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5
Thionazin						<.4	
Tin, total						<20	
Toluene	<1	<1	<1	<1	<1	<1	<1
Toxaphene						<.2	
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	21.0	<20.0	8.0

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

Table 9

Analytical Data Summary for MW-59

Constituents	Units	9/24/2014	3/11/2015	9/17/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018
(3,4)-methylphenol	ug/L								
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L								
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L								
1,2,4-trichlorobenzene	ug/L								
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L								
1,3,5-trinitrobenzene	ug/L								
1,3-dichlorobenzene	ug/L								
1,3-dichloropropane	ug/L								
1,3-dinitrobenzene	ug/L								
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L								
1,4-phenylenediamine	ug/L								
1-naphthylamine	ug/L								
2,2-dichloropropane	ug/L								
2,3,4,6-tetrachlorophenol	ug/L								
2,4,5-t	ug/L								
2,4,5-tp (silvex)	ug/L								
2,4,5-trichlorophenol	ug/L								
2,4,6-trichlorophenol	ug/L								
2,4-d	ug/L								
2,4-dichlorophenol	ug/L								
2,4-dimethylphenol	ug/L								
2,4-dinitrophenol	ug/L								
2,4-dinitrotoluene	ug/L								
2,6-dichlorophenol	ug/L								
2,6-dinitrotoluene	ug/L								
2-acetylaminofluorene	ug/L								
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L								
2-chlorophenol	ug/L								
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L								
2-methylphenol (o-cresol)	ug/L								
2-naphthylamine	ug/L								
2-nitroaniline	ug/L								
2-nitrophenol	ug/L								
3,3'-dichlorobenzidine	ug/L								
3,3-dimethylbenzidine	ug/L								
3-methylcholanthrene	ug/L								
3-nitroaniline	ug/L								
4,4'-ddd	ug/L								
4,4'-dde	ug/L								
4,4'-ddt	ug/L								
4,6-dinitro-2-methylphenol	ug/L								
4-aminobiphenyl	ug/L								
4-bromophenyl phenyl ether	ug/L								
4-chloro-3-methylphenol	ug/L								
4-chloroaniline	ug/L								
4-chlorophenyl phenyl ether	ug/L								
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L								
4-nitrophenol	ug/L								
5-nitro-o-toluidine	ug/L								
7,12-dimethylbenz [a] anthracene	ug/L								
Acenaphthene	ug/L								
Acenaphthylene	ug/L								
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L								
Acetophenone	ug/L								
Acrolein	ug/L								
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L								
Allyl chloride	ug/L								
Alpha-bhc	ug/L								
Anthracene	ug/L								

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

Table 9

Analytical Data Summary for MW-59

Constituents	6/5/2018	9/11/2018	12/5/2018	3/26/2019	6/6/2019	9/4/2019	12/4/2019	3/26/2020	9/15/2020
(3,4)-methylphenol				<8				<8	
1,1,1,2-tetrachloroethane		<1		<1		<1		<1	<1
1,1,1-trichloroethane		<1		<1		<1		<1	<1
1,1,2,2-tetrachloroethane		<1		<1		<1		<1	<1
1,1,2-trichloroethane		<1		<1		<1		<1	<1
1,1-dichloroethane		<1		<1		<1		<1	<1
1,1-dichloroethylene		<1		<1		<1		<1	<1
1,1-dichloropropene				<1				<1	
1,2,3-trichloropropane		<1		<1		<1		<1	<1
1,2,4,5-tetrachlorobenzene				<8				<8	
1,2,4-trichlorobenzene				<1				<1	
1,2-dibromo-3-chloropropane		<1		<1		<1		<5	<5
1,2-dibromoethane		<1		<1		<1		<1	<1
1,2-dichlorobenzene		<1		<1		<1		<1	<1
1,2-dichloroethane		<1		<1		<1		<1	<1
1,2-dichloropropane		<1		<1		<1		<1	<1
1,2-dinitrobenzene				<8				<8	
1,3,5-trinitrobenzene				<8				<8	
1,3-dichlorobenzene				<1				<1	
1,3-dichloropropane				<1				<1	
1,3-dinitrobenzene				<8				<8	
1,4-dichlorobenzene		<1		<1		<1		<1	<1
1,4-naphthoquinone				<8				<8	
1,4-phenylenediamine				<8				<8	
1-naphthylamine				<8				<8	
2,2-dichloropropane				<1				<1	
2,3,4,6-tetrachlorophenol				<8				<8	
2,4,5-t				<5				<5	
2,4,5-tp (silvex)				<5				<5	
2,4,5-trichlorophenol				<8				<8	
2,4,6-trichlorophenol				<8				<8	
2,4-d				<2				<2	
2,4-dichlorophenol				<8				<8	
2,4-dimethylphenol				<8				<8	
2,4-dinitrophenol				<8				<8	
2,4-dinitrotoluene				<8				<8	
2,6-dichlorophenol				<8				<8	
2,6-dinitrotoluene				<8				<8	
2-acetylaminofluorene				<8				<8	
2-butanone (mek)		<5		<5		<5		<5	<5
2-chloronaphthalene				<8				<8	
2-chlorophenol				<8				<8	
2-hexanone (mbk)		<5		<5		<5		<5	<5
2-methylnaphthalene				<8				<8	
2-methylphenol (o-cresol)				<8				<8	
2-naphthylamine				<8				<8	
2-nitroaniline				<8				<8	
2-nitrophenol				<8				<8	
3,3'-dichlorobenzidine				<8				<8	
3,3-dimethylbenzidine				<8				<8	
3-methylcholanthrene				<8				<8	
3-nitroaniline				<8				<8	
4,4'-ddd				<.05				<.05	
4,4'-dde				<.05				<.05	
4,4'-ddt				<.05				<.05	
4,6-dinitro-2-methylphenol				<8				<8	
4-aminobiphenyl				<8				<8	
4-bromophenyl phenyl ether				<8				<8	
4-chloro-3-methylphenol				<8				<8	
4-chloroaniline				<8				<8	
4-chlorophenyl phenyl ether				<8				<8	
4-methyl-2-pentanone (mibk)		<5		<5		<5		<5	<5
4-nitroaniline				<8				<8	
4-nitrophenol				<8				<8	
5-nitro-o-toluidine				<8				<8	
7,12-dimethylbenz [a] anthracene				<8				<8	
Acenaphthene				<8				<8	
Acenaphthylene				<8				<8	
Acetone		<10		<10		<10		<10	<10
Acetonitrile				<10				<10	
Acetophenone				<8				<8	
Acrolein				<10				<10	
Acrylonitrile		<5		<5		<5		<5	<5
Aldrin				<.05				<.05	
Allyl chloride				<1				<1	
Alpha-bhc				<.05				<.05	
Anthracene				<8				<8	

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

Table 9

Analytical Data Summary for MW-59

Constituents	3/2/2021	9/7/2021	3/24/2022	8/31/2022	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025
(3,4)-methylphenol									<8
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene									<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene									<8
1,2,4-trichlorobenzene									<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<1
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene									<8
1,3,5-trinitrobenzene									<8
1,3-dichlorobenzene									<1
1,3-dichloropropane									<1
1,3-dinitrobenzene									<8
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone									<8
1,4-phenylenediamine									<8
1-naphthylamine									<8
2,2-dichloropropane									<1
2,3,4,6-tetrachlorophenol									<8
2,4,5-t									<5
2,4,5-tp (silvex)									<5
2,4,5-trichlorophenol									<8
2,4,6-trichlorophenol									<8
2,4-d									<2
2,4-dichlorophenol									<8
2,4-dimethylphenol									<8
2,4-dinitrophenol									<8
2,4-dinitrotoluene									<8
2,6-dichlorophenol									<8
2,6-dinitrotoluene									<8
2-acetylaminofluorene									<8
2-butanone (mek)	<5	<5	<10	<10	<10	<10	<10	<10	<5
2-chloronaphthalene									<8
2-chlorophenol									<8
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene									<8
2-methylphenol (o-cresol)									<8
2-naphthylamine									<8
2-nitroaniline									<8
2-nitrophenol									<8
3,3'-dichlorobenzidine									<8
3,3-dimethylbenzidine									<8
3-methylcholanthrene									<8
3-nitroaniline									<8
4,4'-ddd									<.05
4,4'-dde									<.05
4,4'-ddt									<.05
4,6-dinitro-2-methylphenol									<8
4-aminobiphenyl									<8
4-bromophenyl phenyl ether									<8
4-chloro-3-methylphenol									<8
4-chloroaniline									<8
4-chlorophenyl phenyl ether									<8
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline									<8
4-nitrophenol									<8
5-nitro-o-toluidine									<8
7,12-dimethylbenz [a] anthracene									<8
Acenaphthene									<8
Acenaphthylene									<8
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile									<10
Acetophenone									<8
Acrolein									<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin									<.05
Allyl chloride									<1
Alpha-bhc									<.05
Anthracene									<8

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

Table 9

Analytical Data Summary for MW-59

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

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

Table 9

Analytical Data Summary for MW-59

Constituents	Units	9/24/2014	3/11/2015	9/17/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L								
Arochlor 1221	ug/L								
Arochlor 1232	ug/L								
Arochlor 1242	ug/L								
Arochlor 1248	ug/L								
Arochlor 1254	ug/L								
Arochlor 1260	ug/L								
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene	ug/L								
Barium, total	ug/L	57.8	30.4	43.4	34.8	37.9	47.1	50.4	38.5
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L								
Benzo(a)pyrene	ug/L								
Benzo(b)fluoranthene	ug/L								
Benzo(g,h,i)perylene	ug/L								
Benzo(k)fluoranthene	ug/L								
Benzyl alcohol	ug/L								
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L								
Bis (2-chloroethoxy) methane	ug/L								
Bis(2-chloroethyl) ether	ug/L								
Bis(2-ethylhexyl) phthalate	ug/L								
Bis[2-chloroisopropyl]ether	ug/L								
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L								
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L								
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L								
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L								
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L								
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Copper, total	ug/L	4.4	<4.0	<4.0	4.7	<4.0	<4.0	<4.0	4.8
Cyanide, total	mg/L								
Delta-bhc	ug/L								
Diallate	ug/L								
Dibenzo(a,h)anthracene	ug/L								
Dibenzofuran	ug/L								
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L								
Dieldrin	ug/L								
Diethyl phthalate	ug/L								
Dimethoate	ug/L								
Dimethylphthalate	ug/L								
Di-n-butyl phthalate	ug/L								
Di-n-octyl phthalate	ug/L								
Dinoseb	ug/L								
Diphenylamine	ug/L								
Disulfoton	ug/L								
Endosulfan i	ug/L								
Endosulfan ii	ug/L								
Endosulfan sulfate	ug/L								
Endrin	ug/L								
Endrin aldehyde	ug/L								
Ethyl methacrylate	ug/L								
Ethyl methanesulfonate	ug/L								
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L								
Fluoranthene	ug/L								
Fluorene	ug/L								
Gamma-bhc [lindane]	ug/L								
Heptachlor	ug/L								
Heptachlor epoxide	ug/L								
Hexachlorobenzene	ug/L								

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

Table 9

Analytical Data Summary for MW-59

Constituents	6/5/2018	9/11/2018	12/5/2018	3/26/2019	6/6/2019	9/4/2019	12/4/2019	3/26/2020	9/15/2020
Antimony, total		<2		<2		<2		<2	<2
Arochlor 1016				<1				<1	
Arochlor 1221				<2				<2	
Arochlor 1232				<2				<2	
Arochlor 1242				<2				<2	
Arochlor 1248				<2				<2	
Arochlor 1254				<1				<1	
Arochlor 1260				<1				<1	
Arsenic, total		<4		<4		<4		<4	<4
Azobenzene				<8				<8	
Barium, total		77.7		42.0		41.1		33.1	40.1
Benzene		<1		<1		<1		<1	<1
Benzo(a)anthracene				<8				<8	
Benzo(a)pyrene				<8				<8	
Benzo(b)fluoranthene				<8				<8	
Benzo(g,h,i)perylene				<8				<8	
Benzo(k)fluoranthene				<8				<8	
Benzyl alcohol				<8				<8	
Beryllium, total		<4.0		<4.0		<4.0		<4.0	<4.0
Beta-bhc				<.05				<.05	
Bis (2-chloroethoxy) methane				<8				<8	
Bis(2-chloroethyl) ether				<8				<8	
Bis(2-ethylhexyl) phthalate				15	<6	<6	6	<6	<6
Bis[2-chloroisopropyl]ether				<8				<8	
Bromochloromethane		<1		<1		<1		<1	<1
Bromodichloromethane		<1		<1		<1		<1	<1
Bromoform		<1		<1		<1		<1	<1
Bromomethane		<1		<1		<1		<1	<1
Butyl benzyl phthalate				<8				<8	
Cadmium, total		<.8		<.8		<.8		<.8	<.8
Carbon disulfide		<1		<1		<1		<1	<1
Carbon tetrachloride		<1		<1		<1		<1	<1
Chlordane				<1				<1	
Chlorobenzene		<1		<1		<1		<1	<1
Chlorobenzilate				<8				<8	
Chloroethane		<1		<1		<1		<1	<1
Chloroform		<1		<1		<1		<1	<1
Chloromethane		<1		<1		<1		<1	<1
Chloroprene				<1				<1	
Chromium, total		<8.0		<8.0		<8.0		<8.0	<8.0
Chrysene				<8				<8	
Cis-1,2-dichloroethylene		<1		<1		<1		<1	<1
Cis-1,3-dichloropropene		<1		<1		<1		<1	<1
Cobalt, total		<.8		<.8		<.8		<.8	<.4
Copper, total	<4.0	4.6	4.1	5.5		<4.0		6.9	<4.0
Cyanide, total				<.005				<.005	
Delta-bhc				<.05				<.05	
Diallate				<8				<8	
Dibenzo(a,h)anthracene				<8				<8	
Dibenzofuran				<8				<8	
Dibromochloromethane		<1		<1		<1		<1	<1
Dibromomethane		<1		<1		<1		<1	<1
Dichlorodifluoromethane				<1				<1	
Dieldrin				<.05				<.05	
Diethyl phthalate				<8				<8	
Dimethoate				<.4				<.4	
Dimethylphthalate				<8				<8	
Di-n-butyl phthalate				<8				<8	
Di-n-octyl phthalate				<8				<8	
Dinoseb				<.5				<.5	
Diphenylamine				<8				<8	
Disulfoton				<.4				<.4	
Endosulfan i				<.05				<.05	
Endosulfan ii				<.05				<.05	
Endosulfan sulfate				<.05				<.05	
Endrin				<.05				<.05	
Endrin aldehyde				<.05				<.05	
Ethyl methacrylate				<10				<10	
Ethyl methanesulfonate				<8				<8	
Ethylbenzene		<1		<1		<1		<1	<1
Famphur				<.4				<.4	
Fluoranthene				<8				<8	
Fluorene				<8				<8	
Gamma-bhc [lindane]				<.05				<.05	
Heptachlor				<.05				<.05	
Heptachlor epoxide				<.05				<.05	
Hexachlorobenzene				<.05				<.05	

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

Table 9

Analytical Data Summary for MW-59

Constituents	3/2/2021	9/7/2021	3/24/2022	8/31/2022	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016									<2
Arochlor 1221									<2
Arochlor 1232									<2
Arochlor 1242									<2
Arochlor 1248									<2
Arochlor 1254									<2
Arochlor 1260									<2
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene									<8
Barium, total	47.2	46.4	35.0	48.2	33.9	55.1	33.5	25.2	24.8
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene									<8
Benzo(a)pyrene									<8
Benzo(b)fluoranthene									<8
Benzo(g,h,i)perylene									<8
Benzo(k)fluoranthene									<8
Benzyl alcohol									<8
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc									<.05
Bis (2-chloroethoxy) methane									<8
Bis(2-chloroethyl) ether									<8
Bis(2-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
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane									<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate									<8
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene									<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene									<8
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	1.1	<.4	<.4	.4	<.4	<.4	<.4	<.4	<.4
Copper, total	<4.0	<4.0	8.2	6.0	6.8	<4.0	<4.0	<4.0	6.7
Cyanide, total									<.010
Delta-bhc									<.05
Diallate									<8
Dibenzo(a,h)anthracene									<8
Dibenzofuran									<8
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane									<1
Dieldrin									<.05
Diethyl phthalate									<8
Dimethoate									<.4
Dimethylphthalate									<8
Di-n-butyl phthalate									<8
Di-n-octyl phthalate									<8
Dinoseb									<.5
Diphenylamine									<8
Disulfoton									<.4
Endosulfan i									<.05
Endosulfan ii									<.05
Endosulfan sulfate									<.05
Endrin									<.05
Endrin aldehyde									<.05
Ethyl methacrylate									<10
Ethyl methanesulfonate									<8
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur									<.4
Fluoranthene									<8
Fluorene									<8
Gamma-bhc [lindane]									<.05
Heptachlor									<.05
Heptachlor epoxide									<.05
Hexachlorobenzene									<.05

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

Table 9

Analytical Data Summary for MW-59

Constituents	9/3/2025
Antimony, total	<1
Arochlor 1016	
Arochlor 1221	
Arochlor 1232	
Arochlor 1242	
Arochlor 1248	
Arochlor 1254	
Arochlor 1260	
Arsenic, total	<2
Azobenzene	
Barium, total	46.1
Benzene	<1
Benzo(a)anthracene	
Benzo(a)pyrene	
Benzo(b)fluoranthene	
Benzo(g,h,i)perylene	
Benzo(k)fluoranthene	
Benzyl alcohol	
Beryllium, total	<.5
Beta-bhc	
Bis (2-chloroethoxy) methane	
Bis(2-chloroethyl) ether	
Bis(2-ethylhexyl) phthalate	
Bis[2-chloroisopropyl]ether	
Bromochloromethane	<1
Bromodichloromethane	<1
Bromoform	<1
Bromomethane	<1
Butyl benzyl phthalate	
Cadmium, total	<.2
Carbon disulfide	<1
Carbon tetrachloride	<1
Chlordane	
Chlorobenzene	<1
Chlorobenzilate	
Chloroethane	<1
Chloroform	<1
Chloromethane	<1
Chloroprene	
Chromium, total	1.1
Chrysene	
Cis-1,2-dichloroethylene	<1
Cis-1,3-dichloropropene	<1
Cobalt, total	<.5
Copper, total	<5.0
Cyanide, total	
Delta-bhc	
Diallate	
Dibenzo(a,h)anthracene	
Dibenzofuran	
Dibromochloromethane	<1
Dibromomethane	<1
Dichlorodifluoromethane	
Dieldrin	
Diethyl phthalate	
Dimethoate	
Dimethylphthalate	
Di-n-butyl phthalate	
Di-n-octyl phthalate	
Dinoseb	
Diphenylamine	
Disulfoton	
Endosulfan i	
Endosulfan ii	
Endosulfan sulfate	
Endrin	
Endrin aldehyde	
Ethyl methacrylate	
Ethyl methanesulfonate	
Ethylbenzene	<1
Famphur	
Fluoranthene	
Fluorene	
Gamma-bhc [lindane]	
Heptachlor	
Heptachlor epoxide	
Hexachlorobenzene	

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

Table 9

Analytical Data Summary for MW-59

Constituents	Units	9/24/2014	3/11/2015	9/17/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018
Hexachlorobutadiene	ug/L								
Hexachlorocyclopentadiene	ug/L								
Hexachloroethane	ug/L								
Hexachloropropene	ug/L								
Indeno(1,2,3-cd)pyrene	ug/L								
Isobutanol	ug/L								
Isodrin	ug/L								
Isophorone	ug/L								
Isosafrole	ug/L								
Kepone	ug/L								
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L								
Methacrylonitrile	ug/L								
Methapyrilene	ug/L								
Methoxychlor	ug/L								
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L								
Methyl methanesulfonate	ug/L								
Methyl parathion	ug/L								
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L								
Nickel, total	ug/L	8.0	8.2	5.5	<4.0	<4.0	4.8	7.1	<4.0
Nitrobenzene	ug/L								
N-nitrosodiethylamine	ug/L								
N-nitrosodimethylamine	ug/L								
N-nitrosodi-n-butylamine	ug/L								
N-nitroso-di-n-propylamine	ug/L								
N-nitrosodiphenylamine	ug/L								
N-nitrosomethylethylamine	ug/L								
N-nitrosopiperidine	ug/L								
N-nitrosopyrrolidine	ug/L								
O,o,o-triethyl phosphorothioate	ug/L								
O-toluidine	ug/L								
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								
Pronamide	ug/L								
Propionitrile	ug/L								
Pyrene	ug/L								
Safrole	ug/L								
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L								
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L								
Tin, total	ug/L								
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L								
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	8.8	<8.0	14.8	<8.0	<8.0	<8.0	<20.0	<8.0

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

Table 9

Analytical Data Summary for MW-59

Constituents	6/5/2018	9/11/2018	12/5/2018	3/26/2019	6/6/2019	9/4/2019	12/4/2019	3/26/2020	9/15/2020
Hexachlorobutadiene				<8				<8	
Hexachlorocyclopentadiene				<8				<8	
Hexachloroethane				<8				<8	
Hexachloropropene				<8				<8	
Indeno(1,2,3-cd)pyrene				<8				<8	
Isobutanol				<1000				<1000	
Isodrin				<8				<8	
Isophorone				<8				<8	
Isosafrole				<8				<8	
Kepone				<8				<8	
Lead, total		<4		<4		<4		<4	<4
Mercury, total				<5				<5	
Methacrylonitrile				<1				<1	
Methapyrilene				<8				<8	
Methoxychlor				<.05				<.05	
Methyl iodide		<1		<1		<1		<1	<1
Methyl methacrylate				<1				<1	
Methyl methanesulfonate				<8				<8	
Methyl parathion				<4				<4	
Methylene chloride		<5		<5		<5		<5	<5
Naphthalene				<8				<8	
Nickel, total		<4.0		5.1		4.8		<4.0	4.0
Nitrobenzene				<8				<8	
N-nitrosodiethylamine				<8				<8	
N-nitrosodimethylamine				<8				<8	
N-nitrosodi-n-butylamine				<8				<8	
N-nitroso-di-n-propylamine				<8				<8	
N-nitrosodiphenylamine				<8				<8	
N-nitrosomethylethylamine				<8				<8	
N-nitrosopiperidine				<8				<8	
N-nitrosopyrrolidine				<8				<8	
O,o,o-triethyl phosphorothioate				<4				<4	
O-toluidine				<8				<8	
P-(dimethylamino)azobenzene				<8				<8	
Parathion				<4				<4	
Pentachlorobenzene				<8				<8	
Pentachloronitrobenzene (pcnb)				<8				<8	
Pentachlorophenol				<8				<8	
Phenacetin				<8				<8	
Phenanthrene				<8				<8	
Phenol				<8				<8	
Phorate				<4				<4	
Pronamide				<8				<8	
Propionitrile				<10				<10	
Pyrene				<8				<8	
Safrole				<8				<8	
Selenium, total		<4		<4		<4		<4	<4
Silver, total		<8		<4		<4		<4	<4
Styrene		<1		<1		<1		<1	<1
Sulfide, total				<1				<1	
Tetrachloroethylene		<1		<1		<1		<1	<1
Thallium, total		<4.0		<2.0		<2.0		<2.0	<2.0
Thionazin				<4				<4	
Tin, total				<20				<20	
Toluene		<1		<1		<1		<1	<1
Toxaphene				<2				<2	
Trans-1,2-dichloroethylene		<1		<1		<1		<1	<1
Trans-1,3-dichloropropene		<1		<1		<1		<1	<1
Trans-1,4-dichloro-2-butene		<5		<5		<5		<5	<5
Trichloroethylene		<1		<1		<1		<1	<1
Trichlorofluoromethane		<1		<1		<1		<1	<1
Vanadium, total		<20		<20		<20		<20	<20
Vinyl acetate		<5		<5		<5		<5	<5
Vinyl chloride		<1		<1		<1		<1	<1
Xylenes, total		<2		<2		<2		<2	<2
Zinc, total		<8.0		13.7		<8.0		<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-59

Constituents	3/2/2021	9/7/2021	3/24/2022	8/31/2022	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025
Hexachlorobutadiene									<8
Hexachlorocyclopentadiene									<8
Hexachloroethane									<8
Hexachloropropene									<8
Indeno(1,2,3-cd)pyrene									<8
Isobutanol									<1000
Isodrin									<8
Isophorone									<8
Isosafrole									<8
Kepone									<8
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total									<.5
Methacrylonitrile									<1
Methapyrilene									<8
Methoxychlor									<.05
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<2
Methyl methacrylate									<1
Methyl methanesulfonate									<8
Methyl parathion									<4
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene									<8
Nickel, total	<4.0	4.3	<4.0	5.4	<4.0	<4.0	<4.0	<4.0	<4.0
Nitrobenzene									<8
N-nitrosodiethylamine									<8
N-nitrosodimethylamine									<8
N-nitrosodi-n-butylamine									<8
N-nitroso-di-n-propylamine									<8
N-nitrosodiphenylamine									<8
N-nitrosomethylethylamine									<8
N-nitrosopiperidine									<8
N-nitrosopyrrolidine									<8
O,o,o-triethyl phosphorothioate									<.4
O-toluidine									<8
P-(dimethylamino)azobenzene									<8
Parathion									<.4
Pentachlorobenzene									<8
Pentachloronitrobenzene (pcnb)									<8
Pentachlorophenol									<8
Phenacetin									<8
Phenanthrene									<8
Phenol									<8
Phorate									<.4
Pronamide									<8
Propionitrile									<10
Pyrene									<8
Safrole									<8
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total									<.1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin									<.4
Tin, total									<20
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene									<.2
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<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-59

Constituents	9/3/2025
Hexachlorobutadiene	
Hexachlorocyclopentadiene	
Hexachloroethane	
Hexachloropropene	
Indeno(1,2,3-cd)pyrene	
Isobutanol	
Isodrin	
Isophorone	
Isosafrole	
Kepone	
Lead, total	<1
Mercury, total	
Methacrylonitrile	
Methapyrilene	
Methoxychlor	
Methyl iodide	<1
Methyl methacrylate	
Methyl methanesulfonate	
Methyl parathion	
Methylene chloride	<5
Naphthalene	
Nickel, total	<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	
Pronamide	
Propionitrile	
Pyrene	
Safrole	
Selenium, total	<2
Silver, total	<5
Styrene	<1
Sulfide, total	
Tetrachloroethylene	<1
Thallium, total	<.5
Thionazin	
Tin, total	
Toluene	<1
Toxaphene	
Trans-1,2-dichloroethylene	<1
Trans-1,3-dichloropropene	<1
Trans-1,4-dichloro-2-butene	<5
Trichloroethylene	<1
Trichlorofluoromethane	<1
Vanadium, total	<2
Vinyl acetate	<5
Vinyl chloride	<1
Xylenes, total	<2
Zinc, total	6.1

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

Table 9

Analytical Data Summary for MW-60

Constituents	Units	9/24/2014	3/11/2015	9/17/2015	12/17/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017
(3,4)-methylphenol	ug/L		<8						
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1		<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1		<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1		<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1		<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1		<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1		<1	<1	<1	<1
1,1-dichloropropene	ug/L		<1						
1,2,3-trichloropropane	ug/L	<1	<1	<1		<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L		<8						
1,2,4-trichlorobenzene	ug/L		<1						
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1		<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1		<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1		<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1		<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1		<1	<1	<1	<1
1,2-dinitrobenzene	ug/L		<8						
1,3,5-trinitrobenzene	ug/L		<8						
1,3-dichlorobenzene	ug/L		<1						
1,3-dichloropropane	ug/L		<1						
1,3-dinitrobenzene	ug/L		<8						
1,4-dichlorobenzene	ug/L	<1	<1	<1		<1	<1	<1	<1
1,4-naphthoquinone	ug/L		<8						
1,4-phenylenediamine	ug/L		<8						
1-naphthylamine	ug/L		<8						
2,2-dichloropropane	ug/L		<1						
2,3,4,6-tetrachlorophenol	ug/L		<8						
2,4,5-t	ug/L		<5						
2,4,5-tp (silvex)	ug/L		<5						
2,4,5-trichlorophenol	ug/L		<8						
2,4,6-trichlorophenol	ug/L		<8						
2,4-d	ug/L		<2						
2,4-dichlorophenol	ug/L		<8						
2,4-dimethylphenol	ug/L		<8						
2,4-dinitrophenol	ug/L		<8						
2,4-dinitrotoluene	ug/L		<8						
2,6-dichlorophenol	ug/L		<8						
2,6-dinitrotoluene	ug/L		<8						
2-acetylaminofluorene	ug/L		<8						
2-butanone (mek)	ug/L	<5	<5	<5		<5	<5	<5	<5
2-chloronaphthalene	ug/L		<8						
2-chlorophenol	ug/L		<8						
2-hexanone (mbk)	ug/L	<5	<5	<5		<5	<5	<5	<5
2-methylnaphthalene	ug/L		<8						
2-methylphenol (o-cresol)	ug/L		<8						
2-naphthylamine	ug/L		<8						
2-nitroaniline	ug/L		<8						
2-nitrophenol	ug/L		<8						
3,3'-dichlorobenzidine	ug/L		<8						
3,3-dimethylbenzidine	ug/L		<8						
3-methylcholanthrene	ug/L		<8						
3-nitroaniline	ug/L		<8						
4,4'-ddd	ug/L		<.05						
4,4'-dde	ug/L		<.05						
4,4'-ddt	ug/L		<.05						
4,6-dinitro-2-methylphenol	ug/L		<8						
4-aminobiphenyl	ug/L		<8						
4-bromophenyl phenyl ether	ug/L		<8						
4-chloro-3-methylphenol	ug/L		<8						
4-chloroaniline	ug/L		<8						
4-chlorophenyl phenyl ether	ug/L		<8						
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5		<5	<5	<5	<5
4-nitroaniline	ug/L		<8						
4-nitrophenol	ug/L		<8						
5-nitro-o-toluidine	ug/L		<8						
7,12-dimethylbenz [a] anthracene	ug/L		<8						
Acenaphthene	ug/L		<8						
Acenaphthylene	ug/L		<8						
Acetone	ug/L	<10	<10	<10		<10	<10	<10	<10
Acetonitrile	ug/L		<10						
Acetophenone	ug/L		<8						
Acrolein	ug/L		<10						
Acrylonitrile	ug/L	<5	<5	<5		<5	<5	<5	<5
Aldrin	ug/L		<.05						
Allyl chloride	ug/L		<1						
Alpha-bhc	ug/L		<.05						
Anthracene	ug/L		<8						

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

Table 9

Analytical Data Summary for MW-60

Constituents	3/19/2018	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022
(3,4)-methylphenol					<8				
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene					<1				
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					<8				
1,2,4-trichlorobenzene					<1				
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene					<8				
1,3,5-trinitrobenzene					<8				
1,3-dichlorobenzene					<1				
1,3-dichloropropane					<1				
1,3-dinitrobenzene					<8				
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone					<8				
1,4-phenylenediamine					<8				
1-naphthylamine					<8				
2,2-dichloropropane					<1				
2,3,4,6-tetrachlorophenol					<8				
2,4,5-t					<.5				
2,4,5-tp (silvex)									
2,4,5-trichlorophenol					<8				
2,4,6-trichlorophenol					<8				
2,4-d									
2,4-dichlorophenol					<8				
2,4-dimethylphenol					<8				
2,4-dinitrophenol					<8				
2,4-dinitrotoluene					<8				
2,6-dichlorophenol					<8				
2,6-dinitrotoluene					<8				
2-acetylaminofluorene					<8				
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-chloronaphthalene					<8				
2-chlorophenol					<8				
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene					<8				
2-methylphenol (o-cresol)					<8				
2-naphthylamine					<8				
2-nitroaniline					<8				
2-nitrophenol					<8				
3,3'-dichlorobenzidine					<8				
3,3-dimethylbenzidine					<8				
3-methylcholanthrene					<8				
3-nitroaniline					<8				
4,4'-ddd					<.05				
4,4'-dde					<.05				
4,4'-ddt					<.05				
4,6-dinitro-2-methylphenol					<8				
4-aminobiphenyl					<8				
4-bromophenyl phenyl ether					<8				
4-chloro-3-methylphenol					<8				
4-chloroaniline					<8				
4-chlorophenyl phenyl ether					<8				
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline					<8				
4-nitrophenol					<8				
5-nitro-o-toluidine					<8				
7,12-dimethylbenz [a] anthracene					<8				
Acenaphthene					<8				
Acenaphthylene					<8				
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile					<10				
Acetophenone					<8				
Acrolein					<10				
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin					<.05				
Allyl chloride					<1				
Alpha-bhc					<.05				
Anthracene					<8				

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

Table 9

Analytical Data Summary for MW-60

Constituents	8/31/2022	3/2/2023	3/28/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
(3,4)-methylphenol							<8	
1,1,1,2-tetrachloroethane	<1		<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1		<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1		<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1		<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1		<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1		<1	<1	<1	<1	<1	<1
1,1-dichloropropene							<1	
1,2,3-trichloropropane	<1		<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene							<8	
1,2,4-trichlorobenzene							<1	
1,2-dibromo-3-chloropropane	<5		<5	<5	<5	<5	<1	<5
1,2-dibromoethane	<1		<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1		<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1		<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1		<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene							<8	
1,3,5-trinitrobenzene							<8	
1,3-dichlorobenzene							<1	
1,3-dichloropropane							<1	
1,3-dinitrobenzene							<8	
1,4-dichlorobenzene	<1		<1	<1	<1	<1	<1	<1
1,4-naphthoquinone							<8	
1,4-phenylenediamine							<8	
1-naphthylamine							<8	
2,2-dichloropropane							<1	
2,3,4,6-tetrachlorophenol							<8	
2,4,5-t							<.5	
2,4,5-tp (silvex)							<.5	
2,4,5-trichlorophenol							<8	
2,4,6-trichlorophenol							<8	
2,4-d							<2	
2,4-dichlorophenol							<8	
2,4-dimethylphenol							<8	
2,4-dinitrophenol							<8	
2,4-dinitrotoluene							<8	
2,6-dichlorophenol							<8	
2,6-dinitrotoluene							<8	
2-acetylaminofluorene							<8	
2-butanone (mek)	<10		<10	<10	<10	<10	<5	<10
2-chloronaphthalene							<8	
2-chlorophenol							<8	
2-hexanone (mbk)	<5		<5	<5	<5	<5	<5	<5
2-methylnaphthalene							<8	
2-methylphenol (o-cresol)							<8	
2-naphthylamine							<8	
2-nitroaniline							<8	
2-nitrophenol							<8	
3,3'-dichlorobenzidine							<8	
3,3-dimethylbenzidine							<8	
3-methylcholanthrene							<8	
3-nitroaniline							<8	
4,4'-ddd							<.05	
4,4'-dde							<.05	
4,4'-ddt							<.05	
4,6-dinitro-2-methylphenol							<8	
4-aminobiphenyl							<8	
4-bromophenyl phenyl ether							<8	
4-chloro-3-methylphenol							<8	
4-chloroaniline							<8	
4-chlorophenyl phenyl ether							<8	
4-methyl-2-pentanone (mibk)	<5		<5	<5	<5	<5	<5	<5
4-nitroaniline							<8	
4-nitrophenol							<8	
5-nitro-o-toluidine							<8	
7,12-dimethylbenz [a] anthracene							<8	
Acenaphthene							<8	
Acenaphthylene							<8	
Acetone	<10		<10	<10	<10	<10	<10	<10
Acetonitrile							<10	
Acetophenone							<8	
Acrolein							<10	
Acrylonitrile	<5		<5	<5	<5	<5	<5	<5
Aldrin							<.05	
Allyl chloride							<1	
Alpha-bhc							<.05	
Anthracene							<8	

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

Table 9

Analytical Data Summary for MW-60

Constituents	Units	9/24/2014	3/11/2015	9/17/2015	12/17/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017
Antimony, total	ug/L	<2	<2	<2		<2	<2	<2	<2
Arochlor 1016	ug/L		<.1						
Arochlor 1221	ug/L		<.2						
Arochlor 1232	ug/L		<.2						
Arochlor 1242	ug/L		<.2						
Arochlor 1248	ug/L		<.2						
Arochlor 1254	ug/L		<.1						
Arochlor 1260	ug/L		<.1						
Arsenic, total	ug/L	<4	<4	<4		<4	<4	<4	<4
Azobenzene	ug/L		<8						
Barium, total	ug/L	127.0	107.0	163.0		149.0	127.0	96.9	130.0
Benzene	ug/L	<1	<1	<1		<1	<1	<1	<1
Benzo(a)anthracene	ug/L		<8						
Benzo(a)pyrene	ug/L		<8						
Benzo(b)fluoranthene	ug/L		<8						
Benzo(g,h,i)perylene	ug/L		<8						
Benzo(k)fluoranthene	ug/L		<8						
Benzyl alcohol	ug/L		<8						
Beryllium, total	ug/L	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L		<.05						
Bis (2-chloroethoxy) methane	ug/L		<8						
Bis(2-chloroethyl) ether	ug/L		<8						
Bis(2-ethylhexyl) phthalate	ug/L		<8						
Bis[2-chloroisopropyl]ether	ug/L		<8						
Bromochloromethane	ug/L	<1	<1	<1		<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1		<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1		<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1		<1	<1	<1	<1
Butyl benzyl phthalate	ug/L		<8						
Cadmium, total	ug/L	<.8	<.8	<.8		<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1		<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1		<1	<1	<1	<1
Chlordane	ug/L		<.1						
Chlorobenzene	ug/L	<1	<1	<1		<1	<1	<1	<1
Chlorobenzilate	ug/L		<8						
Chloroethane	ug/L	<1	<1	<1		<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1		<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1		<1	<1	<1	<1
Chloroprene	ug/L		<1						
Chromium, total	ug/L	<8.0	<8.0	<8.0		<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L		<8						
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1		<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1		<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8		<.8	<.8	<.8	<.8
Copper, total	ug/L	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L		<.005						
Delta-bhc	ug/L		<.05						
Diallate	ug/L		<8						
Dibenzo(a,h)anthracene	ug/L		<8						
Dibenzofuran	ug/L		<8						
Dibromochloromethane	ug/L	<1	<1	<1		<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1		<1	<1	<1	<1
Dichlorodifluoromethane	ug/L		<1						
Dieldrin	ug/L		<.05						
Diethyl phthalate	ug/L		<8						
Dimethoate	ug/L		<.4						
Dimethylphthalate	ug/L		<8						
Di-n-butyl phthalate	ug/L		<8						
Di-n-octyl phthalate	ug/L		<8						
Dinoseb	ug/L		<.5						
Diphenylamine	ug/L		<8						
Disulfoton	ug/L		<.4						
Endosulfan i	ug/L		<.05						
Endosulfan ii	ug/L		<.05						
Endosulfan sulfate	ug/L		<.05						
Endrin	ug/L		<.05						
Endrin aldehyde	ug/L		<.05						
Ethyl methacrylate	ug/L		<10						
Ethyl methanesulfonate	ug/L		<8						
Ethylbenzene	ug/L	<1	<1	<1		<1	<1	<1	<1
Famphur	ug/L		<.4						
Fluoranthene	ug/L		<8						
Fluorene	ug/L		<8						
Gamma-bhc [lindane]	ug/L		<.05						
Heptachlor	ug/L		<.05						
Heptachlor epoxide	ug/L		<.05						
Hexachlorobenzene	ug/L		<.05						

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

Table 9

Analytical Data Summary for MW-60

Constituents	3/19/2018	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022
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	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene					<8				
Barium, total	88.4	152.0	176.0	219.0	256.0	273.0	282.0	284.0	247.0
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene					<8				
Benzo(a)pyrene					<8				
Benzo(b)fluoranthene					<8				
Benzo(g,h,i)perylene					<8				
Benzo(k)fluoranthene					<8				
Benzyl alcohol					<8				
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc					<.05				
Bis (2-chloroethoxy) methane					<8				
Bis(2-chloroethyl) ether					<8				
Bis(2-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
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane					<.1				
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate					<8				
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene					<1				
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene					<8				
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	1.0	<.8	2.2	2.5	4.1	1.0
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total					<.005				
Delta-bhc					<.05				
Diallate					<8				
Dibenzo(a,h)anthracene					<8				
Dibenzofuran					<8				
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane					<1				
Dieldrin					<.05				
Diethyl phthalate					<8				
Dimethoate					<.4				
Dimethylphthalate					<8				
Di-n-butyl phthalate					<8				
Di-n-octyl phthalate					<8				
Dinoseb					<.5				
Diphenylamine					<8				
Disulfoton					<.4				
Endosulfan i					<.05				
Endosulfan ii					<.05				
Endosulfan sulfate					<.05				
Endrin					<.05				
Endrin aldehyde					<.05				
Ethyl methacrylate					<10				
Ethyl methanesulfonate					<8				
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur					<.4				
Fluoranthene					<8				
Fluorene					<8				
Gamma-bhc [lindane]					<.05				
Heptachlor					<.05				
Heptachlor epoxide					<.05				
Hexachlorobenzene					<.05				

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

Table 9

Analytical Data Summary for MW-60

Constituents	8/31/2022	3/2/2023	3/28/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Antimony, total	<2	<2		<2	<2	<2	<2	<1
Arochlor 1016							<.2	
Arochlor 1221							<.2	
Arochlor 1232							<.2	
Arochlor 1242							<.2	
Arochlor 1248							<.2	
Arochlor 1254							<.2	
Arochlor 1260							<.2	
Arsenic, total	<4	<4		<4	<4	<4	<4	<2
Azobenzene							<8	
Barium, total	285.0	205.0		312.0	192.0	238.0	146.0	326.0
Benzene	<1		<1	<1	<1	<1	<1	<1
Benzo(a)anthracene							<8	
Benzo(a)pyrene							<8	
Benzo(b)fluoranthene							<8	
Benzo(g,h,i)perylene							<8	
Benzo(k)fluoranthene							<8	
Benzyl alcohol							<8	
Beryllium, total	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<.5
Beta-bhc							<.05	
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
Bromodichloromethane	<1		<1	<1	<1	<1	<1	<1
Bromoform	<1		<1	<1	<1	<1	<1	<1
Bromomethane	<1		<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate							<8	
Cadmium, total	<.8	<.8		<.8	<.8	<.8	<.8	.2
Carbon disulfide	<1		<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1		<1	<1	<1	<1	<1	<1
Chlordane							<.1	
Chlorobenzene	<1		<1	<1	<1	<1	<1	<1
Chlorobenzilate							<8	
Chloroethane	<1		<1	<1	<1	<1	<1	<1
Chloroform	<1		<1	<1	<1	<1	<1	<1
Chloromethane	<1		<1	<1	<1	<1	<1	<1
Chloroprene							<1	
Chromium, total	<8.0	<8.0		<8.0	<8.0	<8.0	<8.0	1.2
Chrysene							<8	
Cis-1,2-dichloroethylene	<1		<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1		<1	<1	<1	<1	<1	<1
Cobalt, total	6.0	1.3		6.6	.5	1.3	<.4	<.5
Copper, total	10.3	<4.0		<4.0	<4.0	<4.0	4.5	<5.0
Cyanide, total							<.010	
Delta-bhc							<.05	
Diallate							<8	
Dibenzo(a,h)anthracene							<8	
Dibenzofuran							<8	
Dibromochloromethane	<1		<1	<1	<1	<1	<1	<1
Dibromomethane	<1		<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane							<1	
Dieldrin							<.05	
Diethyl phthalate							<8	
Dimethoate							<.4	
Dimethylphthalate							<8	
Di-n-butyl phthalate							<8	
Di-n-octyl phthalate							<8	
Dinoseb							<.5	
Diphenylamine							<8	
Disulfoton							<.4	
Endosulfan i							<.05	
Endosulfan ii							<.05	
Endosulfan sulfate							<.05	
Endrin							<.05	
Endrin aldehyde							<.05	
Ethyl methacrylate							<10	
Ethyl methanesulfonate							<8	
Ethylbenzene	<1		<1	<1	<1	<1	<1	<1
Famphur							<.4	
Fluoranthene							<8	
Fluorene							<8	
Gamma-bhc [lindane]							<.05	
Heptachlor							<.05	
Heptachlor epoxide							<.05	
Hexachlorobenzene							<.05	

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

Table 9

Analytical Data Summary for MW-60

Constituents	Units	9/24/2014	3/11/2015	9/17/2015	12/17/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017
Hexachlorobutadiene	ug/L		<8						
Hexachlorocyclopentadiene	ug/L		<8						
Hexachloroethane	ug/L		<8						
Hexachloropropene	ug/L		<8						
Indeno(1,2,3-cd)pyrene	ug/L		<8						
Isobutanol	ug/L		<1000						
Isodrin	ug/L		<8						
Isophorone	ug/L		<8						
Isosafrole	ug/L		<8						
Kepone	ug/L		<8						
Lead, total	ug/L	<4	<4	<4		<4	<4	<4	<4
Mercury, total	ug/L		<.5						
Methacrylonitrile	ug/L		<1						
Methapyrilene	ug/L		<8						
Methoxychlor	ug/L		<.05						
Methyl iodide	ug/L	<1	<1	<1		<1	<1	<1	<1
Methyl methacrylate	ug/L		<1						
Methyl methanesulfonate	ug/L		<8						
Methyl parathion	ug/L		<.4						
Methylene chloride	ug/L	<5	<5	<5		<5	<5	<5	<5
Naphthalene	ug/L		<8						
Nickel, total	ug/L	7.0	<4.0	13.6	<4.0	7.9	17.3	<4.0	7.5
Nitrobenzene	ug/L		<8						
N-nitrosodiethylamine	ug/L		<8						
N-nitrosodimethylamine	ug/L		<8						
N-nitrosodi-n-butylamine	ug/L		<8						
N-nitroso-di-n-propylamine	ug/L		<8						
N-nitrosodiphenylamine	ug/L		<8						
N-nitrosomethylethylamine	ug/L		<8						
N-nitrosopiperidine	ug/L		<8						
N-nitrosopyrrolidine	ug/L		<8						
O,o,o-triethyl phosphorothioate	ug/L		<.4						
O-toluidine	ug/L		<8						
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						
Pronamide	ug/L		<8						
Propionitrile	ug/L		<10						
Pyrene	ug/L		<8						
Safrole	ug/L		<8						
Selenium, total	ug/L	<4	<4	<4		<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4		<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1		<1	<1	<1	<1
Sulfide, total	mg/L		.27						
Tetrachloroethylene	ug/L	<1	<1	<1		<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0		<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L		<.4						
Tin, total	ug/L		<20						
Toluene	ug/L	<1	<1	<1		<1	<1	<1	<1
Toxaphene	ug/L		<.2						
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1		<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1		<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5		<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1		<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1		<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20		<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5		<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1		<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2		<2	<2	<2	<2
Zinc, total	ug/L	9.6	<8.0	<8.0		<8.0	<8.0	<8.0	<20.0

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

Table 9

Analytical Data Summary for MW-60

Constituents	3/19/2018	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022
Hexachlorobutadiene					<8				
Hexachlorocyclopentadiene					<8				
Hexachloroethane					<8				
Hexachloropropene					<8				
Indeno(1,2,3-cd)pyrene					<8				
Isobutanol					<1000				
Isodrin					<8				
Isophorone					<8				
Isosafrole					<8				
Kepone					<8				
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total					<.5				
Methacrylonitrile					<1				
Methapyrilene					<8				
Methoxychlor					<.05				
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate					<1				
Methyl methanesulfonate					<8				
Methyl parathion					<.4				
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene					<8				
Nickel, total	<4.0	<4.0	15.2	24.8	19.4	34.4	22.0	30.1	18.2
Nitrobenzene					<8				
N-nitrosodiethylamine					<8				
N-nitrosodimethylamine					<8				
N-nitrosodi-n-butylamine					<8				
N-nitroso-di-n-propylamine					<8				
N-nitrosodiphenylamine					<8				
N-nitrosomethylethylamine					<8				
N-nitrosopiperidine					<8				
N-nitrosopyrrolidine					<8				
O,o,o-triethyl phosphorothioate					<.4				
O-toluidine					<8				
P-(dimethylamino)azobenzene					<8				
Parathion					<.4				
Pentachlorobenzene					<8				
Pentachloronitrobenzene (pcnb)					<8				
Pentachlorophenol					<8				
Phenacetin					<8				
Phenanthrene					<8				
Phenol					<8				
Phorate					<.4				
Pronamide					<8				
Propionitrile					<10				
Pyrene					<8				
Safrole					<8				
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<8	<4	<4	<4	<4	<4	<4	<4
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total					<.10				
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin					<.4				
Tin, total					<20				
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene					<.2				
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	16.9	23.3	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-60

Constituents	8/31/2022	3/2/2023	3/28/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Hexachlorobutadiene							<8	
Hexachlorocyclopentadiene							<8	
Hexachloroethane							<8	
Hexachloropropene							<8	
Indeno(1,2,3-cd)pyrene							<8	
Isobutanol							<1000	
Isodrin							<8	
Isophorone							<8	
Isosafrole							<8	
Kepone							<8	
Lead, total	<4	<4		<4	<4	<4	<4	<1
Mercury, total							<.5	
Methacrylonitrile							<1	
Methapyriline							<8	
Methoxychlor							<.05	
Methyl iodide	<1		<1	<1	<1	<1	<2	<1
Methyl methacrylate							<1	
Methyl methanesulfonate							<8	
Methyl parathion							<.4	
Methylene chloride	<5		<5	<5	<5	<5	<5	<5
Naphthalene							<8	
Nickel, total	45.7	11.5		26.4	<4.0	29.2	5.3	15.2
Nitrobenzene							<8	
N-nitrosodiethylamine							<8	
N-nitrosodimethylamine							<8	
N-nitrosodi-n-butylamine							<8	
N-nitroso-di-n-propylamine							<8	
N-nitrosodiphenylamine							<8	
N-nitrosomethylethylamine							<8	
N-nitrosopiperidine							<8	
N-nitrosopyrrolidine							<8	
O,o,o-triethyl phosphorothioate							<.4	
O-toluidine							<8	
P-(dimethylamino)azobenzene							<8	
Parathion							<.4	
Pentachlorobenzene							<8	
Pentachloronitrobenzene (pcnb)							<8	
Pentachlorophenol							<8	
Phenacetin							<8	
Phenanthrene							<8	
Phenol							<8	
Phorate							<.4	
Pronamide							<8	
Propionitrile							<10	
Pyrene							<8	
Safrole							<8	
Selenium, total	<4	<4		<4	<4	<4	<4	<2
Silver, total	<4	<4		<4	<4	<4	<4	<5
Styrene	<1		<1	<1	<1	<1	<1	<1
Sulfide, total							<.10	
Tetrachloroethylene	<1		<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<.5
Thionazin							<.4	
Tin, total							<20	
Toluene	<1		<1	<1	<1	<1	<1	<1
Toxaphene							<.2	
Trans-1,2-dichloroethylene	<1		<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1		<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5		<5	<5	<5	<5	<5	<5
Trichloroethylene	<1		<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1		<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20		<20	<20	<20	<20	<2
Vinyl acetate	<5		<5	<5	<5	<5	<5	<5
Vinyl chloride	<1		<1	<1	<1	<1	<1	<1
Xylenes, total	<2		<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0		<20.0	<20.0	<20.0	<20.0	13.4

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

Table 9

Analytical Data Summary for MW-61

Constituents	Units	9/24/2014	3/11/2015	9/17/2015	12/17/2015	3/22/2016	9/15/2016	10/31/2016	3/23/2017
(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-dichloroethylene	ug/L	<1	<1	<1		<1	<1		<1
1,1-dichloropropene	ug/L								<1
1,2,3-trichloropropane	ug/L	<1	<1	<1		<1	<1		<1
1,2,4,5-tetrachlorobenzene	ug/L								<8
1,2,4-trichlorobenzene	ug/L								<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1		<1	<1		<1
1,2-dibromoethane	ug/L	<1	<1	<1		<1	<1		<1
1,2-dichlorobenzene	ug/L	<1	<1	<1		<1	<1		<1
1,2-dichloroethane	ug/L	<1	<1	<1		<1	<1		<1
1,2-dichloropropane	ug/L	<1	<1	<1		<1	<1		<1
1,2-dinitrobenzene	ug/L								<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 (mek)	ug/L	<5	<5	<5		<5	<5		<5
2-Chloroethyl Vinyl Ether	ug/L								
2-chloronaphthalene	ug/L								<8
2-chlorophenol	ug/L								<8
2-hexanone (mbk)	ug/L	<5	<5	<5		<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 (mibk)	ug/L	<5	<5	<5		<5	<5		<5
4-nitroaniline	ug/L								<8
4-nitrophenol	ug/L								<8
5-nitro-o-toluidine	ug/L								<8
7,12-dimethylbenz [a] anthracene	ug/L								<8
Acenaphthene	ug/L								<8
Acenaphthylene	ug/L								<8
Acetone	ug/L	<10	<10	<10		<10	<10		<10
Acetonitrile	ug/L								<10
Acetophenone	ug/L								<8
Acrolein	ug/L								<10
Acrylonitrile	ug/L	<5	<5	<5		<5	<5		<5
Aldrin	ug/L								<.05
Allyl chloride	ug/L								<1
Alpha-bhc	ug/L								<.05

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

Table 9

Analytical Data Summary for MW-61

Constituents	9/8/2017	3/19/2018	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021
(3,4)-methylphenol		<8							
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene		<1							
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene		<8							
1,2,4-trichlorobenzene		<1							
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<1	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene		<8							
1,3,5-trinitrobenzene		<8							
1,3-dichlorobenzene		<1							
1,3-dichloropropane		<1							
1,3-dinitrobenzene		<8							
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone		<8							
1,4-phenylenediamine		<8							
1-naphthylamine		<8							
2,2-dichloropropane		<1							
2,3,4,6-tetrachlorophenol		<8							
2,4,5-t		<5							
2,4,5-tp (silvex)		<5							
2,4,5-trichlorophenol		<8							
2,4,6-trichlorophenol		<8							
2,4-d		<2							
2,4-dichlorophenol		<8							
2,4-dimethylphenol		<8							
2,4-dinitrophenol		<8							
2,4-dinitrotoluene		<8							
2,6-dichlorophenol		<8							
2,6-dinitrotoluene		<8							
2-acetylaminofluorene		<8							
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Chloroethyl Vinyl Ether									
2-chloronaphthalene		<8							
2-chlorophenol		<8							
2-hexanone (mbk)	<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 (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline		<8							
4-nitrophenol		<8							
5-nitro-o-toluidine		<8							
7,12-dimethylbenz [a] anthracene		<8							
Acenaphthene		<8							
Acenaphthylene		<8							
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile		<10							
Acetophenone		<8							
Acrolein		<10							
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin		<.05							
Allyl chloride		<1							
Alpha-bhc		<.05							

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

Table 9

Analytical Data Summary for MW-61

Constituents	3/24/2022	8/31/2022	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
(3,4)-methylphenol			<8					
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene			<1					
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene			<8					
1,2,4-trichlorobenzene			<1					
1,2-dibromo-3-chloropropane	<5	<5	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene			<8					
1,3,5-trinitrobenzene			<8					
1,3-dichlorobenzene			<1					
1,3-dichloropropane			<1					
1,3-dinitrobenzene			<8					
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone			<8					
1,4-phenylenediamine			<8					
1-naphthylamine			<8					
2,2-dichloropropane			<1					
2,3,4,6-tetrachlorophenol			<8					
2,4,5-t			<5					
2,4,5-tp (silvex)			<5					
2,4,5-trichlorophenol			<8					
2,4,6-trichlorophenol			<8					
2,4-d			<2					
2,4-dichlorophenol			<8					
2,4-dimethylphenol			<8					
2,4-dinitrophenol			<8					
2,4-dinitrotoluene			<8					
2,6-dichlorophenol			<8					
2,6-dinitrotoluene			<8					
2-acetylaminofluorene			<8					
2-butanone (mek)	<10	<10	<5	<10	<10	<10	<10	<10
2-Chloroethyl Vinyl Ether			<2					
2-chloronaphthalene			<8					
2-chlorophenol			<8					
2-hexanone (mbk)	<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 (mibk)	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline			<8					
4-nitrophenol			<8					
5-nitro-o-toluidine			<8					
7,12-dimethylbenz [a] anthracene			<8					
Acenaphthene			<8					
Acenaphthylene			<8					
Acetone	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile			<10					
Acetophenone			<8					
Acrolein			<10					
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin			<.05					
Allyl chloride			<1					
Alpha-bhc			<.05					

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

Table 9

Analytical Data Summary for MW-61

Constituents	Units	9/24/2014	3/11/2015	9/17/2015	12/17/2015	3/22/2016	9/15/2016	10/31/2016	3/23/2017
Anthracene	ug/L								<8
Antimony, total	ug/L	<2	<2	<2		<2	<2		<2
Arochlor 1016	ug/L								<.1
Arochlor 1221	ug/L								<.2
Arochlor 1232	ug/L								<.2
Arochlor 1242	ug/L								<.2
Arochlor 1248	ug/L								<.2
Arochlor 1254	ug/L								<.1
Arochlor 1260	ug/L								<.1
Arsenic, total	ug/L	<4	<4	<4		<4	<4		<4
Azobenzene	ug/L								<8
Barium, total	ug/L	40.3	29.8	35.8		33.1	37.9		36.9
Benzene	ug/L	<1	<1	<1		<1	<1		<1
Benzo(a)anthracene	ug/L								<8
Benzo(a)pyrene	ug/L								<8
Benzo(b)fluoranthene	ug/L								<8
Benzo(g,h,i)perylene	ug/L								<8
Benzo(k)fluoranthene	ug/L								<8
Benzyl alcohol	ug/L								<8
Beryllium, total	ug/L	<4.0	<4.0	<4.0		<4.0	<4.0		<4.0
Beta-bhc	ug/L								<.05
Bis (2-chloroethoxy) methane	ug/L								<8
Bis(2-chloroethyl) ether	ug/L								<8
Bis(2-ethylhexyl) phthalate	ug/L								<8
Bis[2-chloroisopropyl]ether	ug/L								<8
Bromochloromethane	ug/L	<1	<1	<1		<1	<1		<1
Bromodichloromethane	ug/L	<1	<1	<1		<1	<1		<1
Bromoform	ug/L	<1	<1	<1		<1	<1		<1
Bromomethane	ug/L	<1	<1	<1		<1	<1		<1
Butyl benzyl phthalate	ug/L								<8
Cadmium, total	ug/L	<.8	<.8	<.8		<.8	<.8		<.8
Carbon disulfide	ug/L	<1	<1	<1		<1	<1		<1
Carbon tetrachloride	ug/L	<1	<1	<1		<1	<1		<1
Chlordane	ug/L								<.1
Chlorobenzene	ug/L	<1	<1	<1		<1	<1		<1
Chlorobenzilate	ug/L								<8
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
Chloroprene	ug/L								<1
Chromium, total	ug/L	<8.0	<8.0	<8.0		<8.0	<8.0		<8.0
Chrysene	ug/L								<8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1		<1	<1		<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1		<1	<1		<1
Cobalt, total	ug/L	1.9	<.8	<.8		<.8	<.8		<.8
Copper, total	ug/L	<4.0	<4.0	13.1	<4.0	<4.0	<4.0		<4.0
Cyanide, total	mg/L								<.005
Delta-bhc	ug/L								<.05
Diallate	ug/L								<8
Dibenzo(a,h)anthracene	ug/L								<8
Dibenzofuran	ug/L								<8
Dibromochloromethane	ug/L	<1	<1	<1		<1	<1		<1
Dibromomethane	ug/L	<1	<1	<1		<1	<1		<1
Dichlorodifluoromethane	ug/L								<1
Dieldrin	ug/L								<.05
Diethyl phthalate	ug/L								<8
Dimethoate	ug/L								<.4
Dimethylphthalate	ug/L								<8
Di-n-butyl phthalate	ug/L								<8
Di-n-octyl phthalate	ug/L								<8
Dinoseb	ug/L								<.5
Diphenylamine	ug/L								<8
Disulfoton	ug/L								<.4
Endosulfan i	ug/L								<.05
Endosulfan ii	ug/L								<.05
Endosulfan sulfate	ug/L								<.05
Endrin	ug/L								<.05
Endrin aldehyde	ug/L								<.05
Ethyl methacrylate	ug/L								<10
Ethyl methanesulfonate	ug/L								<8
Ethylbenzene	ug/L	<1	<1	<1		<1	<1		<1
Famphur	ug/L								<.4
Fluoranthene	ug/L								<8
Fluorene	ug/L								<8
Gamma-bhc [lindane]	ug/L								<.05
Heptachlor	ug/L								<.05
Heptachlor epoxide	ug/L								<.05

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

Table 9

Analytical Data Summary for MW-61

Constituents	9/8/2017	3/19/2018	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021
Anthracene		<8							
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016		<.1							
Arochlor 1221		<.2							
Arochlor 1232		<.2							
Arochlor 1242		<.2							
Arochlor 1248		<.2							
Arochlor 1254		<.1							
Arochlor 1260		<.1							
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene		<8							
Barium, total	40.1	38.0	46.1	41.4	42.5	47.2	49.2	49.0	60.0
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene		<8							
Benzo(a)pyrene		<8							
Benzo(b)fluoranthene		<8							
Benzo(g,h,i)perylene		<8							
Benzo(k)fluoranthene		<8							
Benzyl alcohol		<8							
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc		<.05							
Bis (2-chloroethoxy) methane		<8							
Bis(2-chloroethyl) ether		<8							
Bis(2-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
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane		<.1							
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate		<8							
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene		<1							
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene		<8							
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	<.8	<.8	.4	1.6	.4
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total		<.005							
Delta-bhc		<.05							
Diallate		<8							
Dibenzo(a,h)anthracene		<8							
Dibenzofuran		<8							
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane		<1							
Dieldrin		<.05							
Diethyl phthalate		<8							
Dimethoate		<.4							
Dimethylphthalate		<8							
Di-n-butyl phthalate		<8							
Di-n-octyl phthalate		<8							
Dinoseb		<.5							
Diphenylamine		<8							
Disulfoton		<.4							
Endosulfan i		<.05							
Endosulfan ii		<.05							
Endosulfan sulfate		<.05							
Endrin		<.05							
Endrin aldehyde		<.05							
Ethyl methacrylate		<10							
Ethyl methanesulfonate		<8							
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur		<.4							
Fluoranthene		<8							
Fluorene		<8							
Gamma-bhc [lindane]		<.05							
Heptachlor		<.05							
Heptachlor epoxide		<.05							

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

Table 9

Analytical Data Summary for MW-61

Constituents	3/24/2022	8/31/2022	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Anthracene			<8					
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<1
Arochlor 1016			<.1					
Arochlor 1221			<.2					
Arochlor 1232			<.2					
Arochlor 1242			<.2					
Arochlor 1248			<.2					
Arochlor 1254			<.1					
Arochlor 1260			<.1					
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<2
Azobenzene			<8					
Barium, total	50.0	55.6	44.9	48.5	48.5	51.7	196.0	61.1
Benzene	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene			<8					
Benzo(a)pyrene			<8					
Benzo(b)fluoranthene			<8					
Benzo(g,h,i)perylene			<8					
Benzo(k)fluoranthene			<8					
Benzyl alcohol			<8					
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5
Beta-bhc			<.05					
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	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane			<1					
Chlorobenzene	<1	<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	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	1.3
Chrysene			<8					
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.4	.8	<.4	<.4	<.4	<.4	<.4	<.5
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	5.0	<4.0	6.5
Cyanide, total			<.005					
Delta-bhc			<.05					
Diallate			<8					
Dibenzo(a,h)anthracene			<8					
Dibenzofuran			<8					
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane			<1					
Dieldrin			<.05					
Diethyl phthalate			<8					
Dimethoate			<.4					
Dimethylphthalate			<8					
Di-n-butyl phthalate			<8					
Di-n-octyl phthalate			<8					
Dinoseb			<.5					
Diphenylamine			<8					
Disulfoton			<.4					
Endosulfan i			<.05					
Endosulfan ii			<.05					
Endosulfan sulfate			<.05					
Endrin			<.05					
Endrin aldehyde			<.05					
Ethyl methacrylate			<10					
Ethyl methanesulfonate			<8					
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1
Famphur			<.4					
Fluoranthene			<8					
Fluorene			<8					
Gamma-bhc [lindane]			<.05					
Heptachlor			<.05					
Heptachlor epoxide			<.05					

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

Table 9

Analytical Data Summary for MW-61

Constituents	Units	9/24/2014	3/11/2015	9/17/2015	12/17/2015	3/22/2016	9/15/2016	10/31/2016	3/23/2017
Hexachlorobenzene	ug/L								<.05
Hexachlorobutadiene	ug/L								<8
Hexachlorocyclopentadiene	ug/L								<8
Hexachloroethane	ug/L								<8
Hexachloropropene	ug/L								<8
Indeno(1,2,3-cd)pyrene	ug/L								<8
Isobutanol	ug/L								<1000
Isodrin	ug/L								<8
Isophorone	ug/L								<8
Isosafrole	ug/L								<8
Kepone	ug/L								<8
Lead, total	ug/L	<4	<4	<4		<4	<4		<4
Mercury, total	ug/L								<.5
Methacrylonitrile	ug/L								<1
Methapyrilene	ug/L								<8
Methoxychlor	ug/L								<.05
Methyl iodide	ug/L	<1	<1	<1		<1	<1		<1
Methyl methacrylate	ug/L								<1
Methyl methanesulfonate	ug/L								<8
Methyl parathion	ug/L								<.4
Methylene chloride	ug/L	<5	<5	<5		<5	<5		<5
Naphthalene	ug/L								<8
Nickel, total	ug/L	13.9	<4.0	13.2		<4.0	14.9	27.7	<4.0
Nitrobenzene	ug/L								<8
N-nitrosodiethylamine	ug/L								<8
N-nitrosodimethylamine	ug/L								<8
N-nitrosodi-n-butylamine	ug/L								<8
N-nitroso-di-n-propylamine	ug/L								<8
N-nitrosodiphenylamine	ug/L								<8
N-nitrosomethylethylamine	ug/L								<8
N-nitrosopiperidine	ug/L								<8
N-nitrosopyrrolidine	ug/L								<8
O,o,o-triethyl phosphorothioate	ug/L								<.4
O-toluidine	ug/L								<8
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
Pronamide	ug/L								<8
Propionitrile	ug/L								<10
Pyrene	ug/L								<8
Safrole	ug/L								<8
Selenium, total	ug/L	<4	<4	<4		<4	<4		<4
Silver, total	ug/L	<4	<4	<4		<4	<4		<4
Styrene	ug/L	<1	<1	<1		<1	<1		<1
Sulfide, total	mg/L								<.1
Tetrachloroethylene	ug/L	<1	<1	<1		<1	<1		<1
Thallium, total	ug/L	<4.0	<4.0	<1.0		<4.0	<4.0		<4.0
Thionazin	ug/L								<.4
Tin, total	ug/L								<20
Toluene	ug/L	<1	<1	<1		<1	<1		<1
Toxaphene	ug/L								<.2
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1		<1	<1		<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1		<1	<1		<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5		<5	<5		<5
Trichloroethylene	ug/L	<1	<1	<1		<1	<1		<1
Trichlorofluoromethane	ug/L	<1	<1	<1		<1	<1		<1
Vanadium, total	ug/L	<20	<20	<20		<20	<20		<20
Vinyl acetate	ug/L	<5	<5	<5		<5	<5		<5
Vinyl chloride	ug/L	<1	<1	<1		<1	<1		<1
Xylenes, total	ug/L	<2	<2	<2		<2	<2		<2
Zinc, total	ug/L	8.7	<8.0	13.6		25.7	<8.0		<8.0

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

Table 9

Analytical Data Summary for MW-61

Constituents	9/8/2017	3/19/2018	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021
Hexachlorobenzene		<.05							
Hexachlorobutadiene		<8							
Hexachlorocyclopentadiene		<8							
Hexachloroethane		<8							
Hexachloropropene		<8							
Indeno(1,2,3-cd)pyrene		<8							
Isobutanol		<1000							
Isodrin		<8							
Isophorone		<8							
Isosafrole		<8							
Kepon		<8							
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total		<.5							
Methacrylonitrile		<1							
Methapyrilene		<8							
Methoxychlor		<.05							
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate		<1							
Methyl methanesulfonate		<8							
Methyl parathion		<.4							
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene		<8							
Nickel, total	5.7	<4.0	<4.0	4.3	8.9	9.3	8.5	6.1	13.7
Nitrobenzene		<8							
N-nitrosodiethylamine		<8							
N-nitrosodimethylamine		<8							
N-nitrosodi-n-butylamine		<8							
N-nitroso-di-n-propylamine		<8							
N-nitrosodiphenylamine		<8							
N-nitrosomethylethylamine		<8							
N-nitrosopiperidine		<8							
N-nitrosopyrrolidine		<8							
O,o,o-triethyl phosphorothioate		<.4							
O-toluidine		<8							
P-(dimethylamino)azobenzene		<8							
Parathion		<.4							
Pentachlorobenzene		<8							
Pentachloronitrobenzene (pcnb)		<8							
Pentachlorophenol		<8							
Phenacetin		<8							
Phenanthrene		<8							
Phenol		<8							
Phorate		<.4							
Pronamide		<8							
Propionitrile		<10							
Pyrene		<8							
Safrole		<8							
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<8	<4	<4	<4	<4	<4	<4
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total		<.1							
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin		<.4							
Tin, total		<20							
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene		<.2							
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<8.0	<8.0	13.4	<8.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-61

Constituents	3/24/2022	8/31/2022	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Hexachlorobenzene			<.05					
Hexachlorobutadiene			<8					
Hexachlorocyclopentadiene			<8					
Hexachloroethane			<8					
Hexachloropropene			<8					
Indeno(1,2,3-cd)pyrene			<8					
Isobutanol			<1000					
Isodrin			<8					
Isophorone			<8					
Isosafrole			<8					
Kepone			<8					
Lead, total	<4	<4	<4	<4	<4	<4	<4	<1
Mercury, total			<.5					
Methacrylonitrile			<1					
Methapyrilene			<8					
Methoxychlor			<.05					
Methyl iodide	<1	<1	<2	<1	<1	<1	<1	<1
Methyl methacrylate			<1					
Methyl methanesulfonate			<8					
Methyl parathion			<.4					
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene			<8					
Nickel, total	6.6	15.3	4.8	<4.0	4.8	5.6	<4.0	5.8
Nitrobenzene			<8					
N-nitrosodiethylamine			<8					
N-nitrosodimethylamine			<8					
N-nitrosodi-n-butylamine			<8					
N-nitroso-di-n-propylamine			<8					
N-nitrosodiphenylamine			<8					
N-nitrosomethylethylamine			<8					
N-nitrosopiperidine			<8					
N-nitrosopyrrolidine			<8					
O,o,o-triethyl phosphorothioate			<.4					
O-toluidine			<8					
P-(dimethylamino)azobenzene			<8					
Parathion			<.4					
Pentachlorobenzene			<8					
Pentachloronitrobenzene (pcnb)			<8					
Pentachlorophenol			<8					
Phenacetin			<8					
Phenanthrene			<8					
Phenol			<8					
Phorate			<.4					
Pronamide			<8					
Propionitrile			<10					
Pyrene			<8					
Safrole			<8					
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<4	<4	<4	<5
Styrene	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total			<.1					
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5
Thionazin			<.4					
Tin, total			<20					
Toluene	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene			<.2					
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	8.2

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

Table 9

Analytical Data Summary for MW-62R

Constituents	Units	9/24/2014	3/11/2015	9/16/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018
(3,4)-methylphenol	ug/L		<8						
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L		<1						
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L		<8						
1,2,4-trichlorobenzene	ug/L		<1						
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L		<8						
1,3,5-trinitrobenzene	ug/L		<8						
1,3-dichlorobenzene	ug/L		<1						
1,3-dichloropropane	ug/L		<1						
1,3-dinitrobenzene	ug/L		<8						
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L		<8						
1,4-phenylenediamine	ug/L		<8						
1-naphthylamine	ug/L		<8						
2,2-dichloropropane	ug/L		<1						
2,3,4,6-tetrachlorophenol	ug/L		<8						
2,4,5-t	ug/L		<5						
2,4,5-tp (silvex)	ug/L		<5						
2,4,5-trichlorophenol	ug/L		<8						
2,4,6-trichlorophenol	ug/L		<8						
2,4-d	ug/L		<2						
2,4-dichlorophenol	ug/L		<8						
2,4-dimethylphenol	ug/L		<8						
2,4-dinitrophenol	ug/L		<8						
2,4-dinitrotoluene	ug/L		<8						
2,6-dichlorophenol	ug/L		<8						
2,6-dinitrotoluene	ug/L		<8						
2-acetylaminofluorene	ug/L		<8						
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L		<8						
2-chlorophenol	ug/L		<8						
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L		<8						
2-methylphenol (o-cresol)	ug/L		<8						
2-naphthylamine	ug/L		<8						
2-nitroaniline	ug/L		<8						
2-nitrophenol	ug/L		<8						
3,3'-dichlorobenzidine	ug/L		<8						
3,3-dimethylbenzidine	ug/L		<8						
3-methylcholanthrene	ug/L		<8						
3-nitroaniline	ug/L		<8						
4,4'-ddd	ug/L		<.05						
4,4'-dde	ug/L		<.05						
4,4'-ddt	ug/L		<.05						
4,6-dinitro-2-methylphenol	ug/L		<8						
4-aminobiphenyl	ug/L		<8						
4-bromophenyl phenyl ether	ug/L		<8						
4-chloro-3-methylphenol	ug/L		<8						
4-chloroaniline	ug/L		<8						
4-chlorophenyl phenyl ether	ug/L		<8						
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L		<8						
4-nitrophenol	ug/L		<8						
5-nitro-o-toluidine	ug/L		<8						
7,12-dimethylbenz [a] anthracene	ug/L		<8						
Acenaphthene	ug/L		<8						
Acenaphthylene	ug/L		<8						
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L		<10						
Acetophenone	ug/L		<8						
Acrolein	ug/L		<10						
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L		<.05						
Allyl chloride	ug/L		<1						
Alpha-bhc	ug/L		<.05						
Anthracene	ug/L		<8						

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

Table 9

Analytical Data Summary for MW-62R

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022
(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-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene				<1					
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene				<8					
1,2,4-trichlorobenzene				<1					
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene				<8					
1,3,5-trinitrobenzene				<8					
1,3-dichlorobenzene				<1					
1,3-dichloropropane				<1					
1,3-dinitrobenzene				<8					
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone				<8					
1,4-phenylenediamine				<8					
1-naphthylamine				<8					
2,2-dichloropropane				<1					
2,3,4,6-tetrachlorophenol				<8					
2,4,5-t				<.5					
2,4,5-tp (silvex)				<8					
2,4,5-trichlorophenol				<8					
2,4,6-trichlorophenol				<8					
2,4-d				<8					
2,4-dichlorophenol				<8					
2,4-dimethylphenol				<8					
2,4-dinitrophenol				<8					
2,4-dinitrotoluene				<8					
2,6-dichlorophenol				<8					
2,6-dinitrotoluene				<8					
2-acetylaminofluorene				<8					
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<10
2-chloronaphthalene				<8					
2-chlorophenol				<8					
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene				<8					
2-methylphenol (o-cresol)				<8					
2-naphthylamine				<8					
2-nitroaniline				<8					
2-nitrophenol				<8					
3,3'-dichlorobenzidine				<8					
3,3-dimethylbenzidine				<8					
3-methylcholanthrene				<8					
3-nitroaniline				<8					
4,4'-ddd				<.05					
4,4'-dde				<.05					
4,4'-ddt				<.05					
4,6-dinitro-2-methylphenol				<8					
4-aminobiphenyl				<8					
4-bromophenyl phenyl ether				<8					
4-chloro-3-methylphenol				<8					
4-chloroaniline				<8					
4-chlorophenyl phenyl ether				<8					
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline				<8					
4-nitrophenol				<8					
5-nitro-o-toluidine				<8					
7,12-dimethylbenz [a] anthracene				<8					
Acenaphthene				<8					
Acenaphthylene				<8					
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile				<10					
Acetophenone				<8					
Acrolein				<10					
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin				<.05					
Allyl chloride				<1					
Alpha-bhc				<.05					
Anthracene				<8					

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

Table 9

Analytical Data Summary for MW-62R

Constituents	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
(3,4)-methylphenol					<8	
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1
1,1-dichloropropene					<1	
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					<8	
1,2,4-trichlorobenzene					<1	
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<1	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene					<8	
1,3,5-trinitrobenzene					<8	
1,3-dichlorobenzene					<1	
1,3-dichloropropane					<1	
1,3-dinitrobenzene					<8	
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone					<8	
1,4-phenylenediamine					<8	
1-naphthylamine					<8	
2,2-dichloropropane					<1	
2,3,4,6-tetrachlorophenol					<8	
2,4,5-t					<.5	
2,4,5-tp (silvex)					<.5	
2,4,5-trichlorophenol					<8	
2,4,6-trichlorophenol					<8	
2,4-d					<2	
2,4-dichlorophenol					<8	
2,4-dimethylphenol					<8	
2,4-dinitrophenol					<8	
2,4-dinitrotoluene					<8	
2,6-dichlorophenol					<8	
2,6-dinitrotoluene					<8	
2-acetylaminofluorene					<8	
2-butanone (mek)	<10	<10	<10	<10	<5	<10
2-chloronaphthalene					<8	
2-chlorophenol					<8	
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
2-methylnaphthalene					<8	
2-methylphenol (o-cresol)					<8	
2-naphthylamine					<8	
2-nitroaniline					<8	
2-nitrophenol					<8	
3,3'-dichlorobenzidine					<8	
3,3-dimethylbenzidine					<8	
3-methylcholanthrene					<8	
3-nitroaniline					<8	
4,4'-ddd					<.05	
4,4'-dde					<.05	
4,4'-ddt					<.05	
4,6-dinitro-2-methylphenol					<8	
4-aminobiphenyl					<8	
4-bromophenyl phenyl ether					<8	
4-chloro-3-methylphenol					<8	
4-chloroaniline					<8	
4-chlorophenyl phenyl ether					<8	
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5
4-nitroaniline					<8	
4-nitrophenol					<8	
5-nitro-o-toluidine					<8	
7,12-dimethylbenz [a] anthracene					<8	
Acenaphthene					<8	
Acenaphthylene					<8	
Acetone	<10	<10	<10	<10	<10	<10
Acetonitrile					<10	
Acetophenone					<8	
Acrolein					<10	
Acrylonitrile	<5	<5	<5	<5	<5	<5
Aldrin					<.05	
Allyl chloride					<1	
Alpha-bhc					<.05	
Anthracene					<8	

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

Table 9

Analytical Data Summary for MW-62R

Constituents	Units	9/24/2014	3/11/2015	9/16/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L		<.1						
Arochlor 1221	ug/L		<.2						
Arochlor 1232	ug/L		<.2						
Arochlor 1242	ug/L		<.2						
Arochlor 1248	ug/L		<.2						
Arochlor 1254	ug/L		<.1						
Arochlor 1260	ug/L		<.1						
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene	ug/L		<8						
Barium, total	ug/L	833	773	802	817	784	831	864	858
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L		<8						
Benzo(a)pyrene	ug/L		<8						
Benzo(b)fluoranthene	ug/L		<8						
Benzo(g,h,i)perylene	ug/L		<8						
Benzo(k)fluoranthene	ug/L		<8						
Benzyl alcohol	ug/L		<8						
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L		<.05						
Bis (2-chloroethoxy) methane	ug/L		<8						
Bis(2-chloroethyl) ether	ug/L		<8						
Bis(2-ethylhexyl) phthalate	ug/L	<10	<8	<10	<10	<10	<10	<6	
Bis[2-chloroisopropyl]ether	ug/L		<8						
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L		<8						
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L		<.1						
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L		<8						
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L		<1						
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L		<8						
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Cyanide, total	mg/L		.006						
Delta-bhc	ug/L		<.05						
Diallate	ug/L		<8						
Dibenzo(a,h)anthracene	ug/L		<8						
Dibenzofuran	ug/L		<8						
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L		<1						
Dieldrin	ug/L		<.05						
Diethyl phthalate	ug/L		<8						
Dimethoate	ug/L		<.4						
Dimethylphthalate	ug/L		<8						
Di-n-butyl phthalate	ug/L		<8						
Di-n-octyl phthalate	ug/L		<8						
Dinoseb	ug/L		<.5						
Diphenylamine	ug/L		<8						
Disulfoton	ug/L		<.4						
Endosulfan i	ug/L		<.05						
Endosulfan ii	ug/L		<.05						
Endosulfan sulfate	ug/L		<.05						
Endrin	ug/L		<.05						
Endrin aldehyde	ug/L		<.05						
Ethyl methacrylate	ug/L		<10						
Ethyl methanesulfonate	ug/L		<8						
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L		<.4						
Fluoranthene	ug/L		<8						
Fluorene	ug/L		<8						
Gamma-bhc [lindane]	ug/L		<.05						
Heptachlor	ug/L		<.05						
Heptachlor epoxide	ug/L		<.05						
Hexachlorobenzene	ug/L		<.05						

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

Table 9

Analytical Data Summary for MW-62R

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022
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	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene				<8					
Barium, total	816	891	917	1060	1070	1010	1060	1020	1060
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene				<8					
Benzo(a)pyrene				<8					
Benzo(b)fluoranthene				<8					
Benzo(g,h,i)perylene				<8					
Benzo(k)fluoranthene				<8					
Benzyl alcohol				<8					
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc				<.05					
Bis (2-chloroethoxy) methane				<8					
Bis(2-chloroethyl) ether				<8					
Bis(2-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
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane				<.1					
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate				<8					
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene				<1					
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene				<8					
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	<.4	1.1	.4	.4	<.4
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Cyanide, total				<.005					
Delta-bhc				<.05					
Diallate				<8					
Dibenzo(a,h)anthracene				<8					
Dibenzofuran				<8					
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane				<1					
Dieldrin				<.05					
Diethyl phthalate				<8					
Dimethoate				<.4					
Dimethylphthalate				<8					
Di-n-butyl phthalate				<8					
Di-n-octyl phthalate				<8					
Dinoseb				<.5					
Diphenylamine				<8					
Disulfoton				<.4					
Endosulfan i				<.05					
Endosulfan ii				<.05					
Endosulfan sulfate				<.05					
Endrin				<.05					
Endrin aldehyde				<.05					
Ethyl methacrylate				<10					
Ethyl methanesulfonate				<8					
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur				<.4					
Fluoranthene				<8					
Fluorene				<8					
Gamma-bhc [lindane]				<.05					
Heptachlor				<.05					
Heptachlor epoxide				<.05					
Hexachlorobenzene				<.05					

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

Table 9

Analytical Data Summary for MW-62R

Constituents	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Antimony, total	<2	<2	<2	<2	<2	<1
Arochlor 1016					<2	
Arochlor 1221					<2	
Arochlor 1232					<2	
Arochlor 1242					<2	
Arochlor 1248					<2	
Arochlor 1254					<2	
Arochlor 1260					<2	
Arsenic, total	<4	<4	<4	<4	<4	<2
Azobenzene					<8	
Barium, total	1170	1050	1010	945	946	1130
Benzene	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene					<8	
Benzo(a)pyrene					<8	
Benzo(b)fluoranthene					<8	
Benzo(g,h,i)perylene					<8	
Benzo(k)fluoranthene					<8	
Benzyl alcohol					<8	
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<.5
Beta-bhc					<.05	
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
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate					<8	
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chlordane					<1	
Chlorobenzene	<1	<1	<1	<1	<1	<1
Chlorobenzilate					<8	
Chloroethane	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chloroprene					<1	
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	1.2
Chrysene					<8	
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	<.4	<.4	<.4	<.4	<.4	<.5
Copper, total	<4	<4	<4	<4	<4	<5
Cyanide, total					<.010	
Delta-bhc					<.05	
Diallate					<8	
Dibenzo(a,h)anthracene					<8	
Dibenzofuran					<8	
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane					<1	
Dieldrin					<.05	
Diethyl phthalate					<8	
Dimethoate					<.4	
Dimethylphthalate					<8	
Di-n-butyl phthalate					<8	
Di-n-octyl phthalate					<8	
Dinoseb					<.5	
Diphenylamine					<8	
Disulfoton					<.4	
Endosulfan i					<.05	
Endosulfan ii					<.05	
Endosulfan sulfate					<.05	
Endrin					<.05	
Endrin aldehyde					<.05	
Ethyl methacrylate					<10	
Ethyl methanesulfonate					<8	
Ethylbenzene	<1	<1	<1	<1	<1	<1
Famphur					<.4	
Fluoranthene					<8	
Fluorene					<8	
Gamma-bhc [lindane]					<.05	
Heptachlor					<.05	
Heptachlor epoxide					<.05	
Hexachlorobenzene					<.05	

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

Table 9

Analytical Data Summary for MW-62R

Constituents	Units	9/24/2014	3/11/2015	9/16/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018
Hexachlorobutadiene	ug/L		<8						
Hexachlorocyclopentadiene	ug/L		<8						
Hexachloroethane	ug/L		<8						
Hexachloropropene	ug/L		<8						
Indeno(1,2,3-cd)pyrene	ug/L		<8						
Isobutanol	ug/L		<1000						
Isodrin	ug/L		<8						
Isophorone	ug/L		<8						
Isosafrole	ug/L		<8						
Kepone	ug/L		<8						
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L		<.5						
Methacrylonitrile	ug/L		<1						
Methapyrilene	ug/L		<8						
Methoxychlor	ug/L		<.05						
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L		<1						
Methyl methanesulfonate	ug/L		<8						
Methyl parathion	ug/L		<.4						
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L		<8						
Nickel, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Nitrobenzene	ug/L		<8						
N-nitrosodiethylamine	ug/L		<8						
N-nitrosodimethylamine	ug/L		<8						
N-nitrosodi-n-butylamine	ug/L		<8						
N-nitroso-di-n-propylamine	ug/L		<8						
N-nitrosodiphenylamine	ug/L		<8						
N-nitrosomethylethylamine	ug/L		<8						
N-nitrosopiperidine	ug/L		<8						
N-nitrosopyrrolidine	ug/L		<8						
O,o,o-triethyl phosphorothioate	ug/L		<.4						
O-toluidine	ug/L		<8						
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						
Pronamide	ug/L		<8						
Propionitrile	ug/L		<10						
Pyrene	ug/L		<8						
Safrole	ug/L		<8						
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L		<.1						
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L		<.4						
Tin, total	ug/L		<20						
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L		<.2						
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	8.6	8.8	6.3	5.5	6.5	6.0	5.1	4.8
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<20.0	70.2

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

Table 9

Analytical Data Summary for MW-62R

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022
Hexachlorobutadiene				<8					
Hexachlorocyclopentadiene				<8					
Hexachloroethane				<8					
Hexachloropropene				<8					
Indeno(1,2,3-cd)pyrene				<8					
Isobutanol				<1000					
Isodrin				<8					
Isophorone				<8					
Isosafrole				<8					
Kepone				<8					
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total				<.5					
Methacrylonitrile				<1					
Methapyrene				<8					
Methoxychlor				<.05					
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate				<1					
Methyl methanesulfonate				<8					
Methyl parathion				<.4					
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene				<8					
Nickel, total	<4	<4	<4	<4	<4	<4	<4	<4	<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					
Pronamide				<8					
Propionitrile				<10					
Pyrene				<8					
Safrole				<8					
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<8	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total				<.1					
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin				<.4					
Tin, total				<20					
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene				<.2					
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	5.1	3.4	3.4	2.2	1.7	2.0	1.3	<1.0	1.6
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	30.1	24.7	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-62R

Constituents	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Hexachlorobutadiene					<8	
Hexachlorocyclopentadiene					<8	
Hexachloroethane					<8	
Hexachloropropene					<8	
Indeno(1,2,3-cd)pyrene					<8	
Isobutanol					<1000	
Isodrin					<8	
Isophorone					<8	
Isosafrole					<8	
Kepone					<8	
Lead, total	<4	<4	<4	<4	<4	<1
Mercury, total					<.5	
Methacrylonitrile					<1	
Methapyrilene					<8	
Methoxychlor					<.05	
Methyl iodide	<1	<1	<1	<1	<2	<1
Methyl methacrylate					<1	
Methyl methanesulfonate					<8	
Methyl parathion					<.4	
Methylene chloride	<5	<5	<5	<5	<5	<5
Naphthalene					<8	
Nickel, total	<4	<4	<4	<4	<4	<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	
Pronamide					<8	
Propionitrile					<10	
Pyrene					<8	
Safrole					<8	
Selenium, total	<4	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<4	<5
Styrene	<1	<1	<1	<1	<1	<1
Sulfide, total					<.1	
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5
Thionazin					<.4	
Tin, total					<20	
Toluene	<1	<1	<1	<1	<1	<1
Toxaphene					<.2	
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	1.9	1.4	1.0	<1.0	<1.0	<1.0
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	13.1

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

Table 9

Analytical Data Summary for MW-64

Constituents	Units	9/25/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	3/19/2018	9/11/2018
(3,4)-methylphenol	ug/L				<8				
1,1,1,2-tetrachloroethane	ug/L				<1		<1	<1	<1
1,1,1-trichloroethane	ug/L				<1		<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L				<1		<1	<1	<1
1,1,2-trichloroethane	ug/L				<1		<1	<1	<1
1,1-dichloroethane	ug/L				1.9		2.0	2.6	1.2
1,1-dichloroethylene	ug/L				<1		<1	<1	<1
1,1-dichloropropene	ug/L				<1				
1,2,3-trichloropropane	ug/L				<1		<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L				<8				
1,2,4-trichlorobenzene	ug/L				<1				
1,2-dibromo-3-chloropropane	ug/L				<1		<1	<1	<1
1,2-dibromoethane	ug/L				<1		<1	<1	<1
1,2-dichlorobenzene	ug/L				<1		<1	<1	<1
1,2-dichloroethane	ug/L				<1		<1	<1	<1
1,2-dichloropropane	ug/L				<1		<1	<1	<1
1,2-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
1,4-naphthoquinone	ug/L				<8				
1,4-phenylenediamine	ug/L				<8				
1-naphthylamine	ug/L				<8				
2,2-dichloropropane	ug/L				<1				
2,3,4,6-tetrachlorophenol	ug/L				<8				
2,4,5-t	ug/L				<.5				
2,4,5-tp (silvex)	ug/L				<.5				
2,4,5-trichlorophenol	ug/L				<8				
2,4,6-trichlorophenol	ug/L				<8				
2,4-d	ug/L				<2				
2,4-dichlorophenol	ug/L				<8				
2,4-dimethylphenol	ug/L				<8				
2,4-dinitrophenol	ug/L				<8				
2,4-dinitrotoluene	ug/L				<8				
2,6-dichlorophenol	ug/L				<8				
2,6-dinitrotoluene	ug/L				<8				
2-acetylaminofluorene	ug/L				<8				
2-butanone (mek)	ug/L				<5		<5	<5	<5
2-chloronaphthalene	ug/L				<8				
2-chlorophenol	ug/L				<8				
2-hexanone (mbk)	ug/L				<5		<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 (mibk)	ug/L				<5		<5	<5	<5
4-nitroaniline	ug/L				<8				
4-nitrophenol	ug/L				<8				
5-nitro-o-toluidine	ug/L				<8				
7,12-dimethylbenz [a] anthracene	ug/L				<8				
Acenaphthene	ug/L				<8				
Acenaphthylene	ug/L				<8				
Acetone	ug/L				<10		<10	<10	<10
Acetonitrile	ug/L				<10				
Acetophenone	ug/L				<8				
Acrolein	ug/L				<10				
Acrylonitrile	ug/L				<5		<5	<5	<5
Aldrin	ug/L				<.05				
Allyl chloride	ug/L				<1				
Alpha-bhc	ug/L				<.05				
Anthracene	ug/L				<8				

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

Table 9

Analytical Data Summary for MW-64

Constituents	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022	3/2/2023
(3,4)-methylphenol	<8								
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	2.4	2.3	2.4	1.8	2.7	1.6	2.1	1.6	2.3
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	<1								
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	<8								
1,2,4-trichlorobenzene	<1								
1,2-dibromo-3-chloropropane	<1	<1	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	<8								
1,3,5-trinitrobenzene	<8								
1,3-dichlorobenzene	<1								
1,3-dichloropropane	<1								
1,3-dinitrobenzene	<8								
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	<8								
1,4-phenylenediamine	<8								
1-naphthylamine	<8								
2,2-dichloropropane	<1								
2,3,4,6-tetrachlorophenol	<8								
2,4,5-t	<5								
2,4,5-tp (silvex)	<5								
2,4,5-trichlorophenol	<8								
2,4,6-trichlorophenol	<8								
2,4-d	<2								
2,4-dichlorophenol	<8								
2,4-dimethylphenol	<8								
2,4-dinitrophenol	<8								
2,4-dinitrotoluene	<8								
2,6-dichlorophenol	<8								
2,6-dinitrotoluene	<8								
2-acetylaminofluorene	<8								
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<10	<10	<10
2-chloronaphthalene	<8								
2-chlorophenol	<8								
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	<8								
2-methylphenol (o-cresol)	<8								
2-naphthylamine	<8								
2-nitroaniline	<8								
2-nitrophenol	<8								
3,3'-dichlorobenzidine	<8								
3,3-dimethylbenzidine	<8								
3-methylcholanthrene	<8								
3-nitroaniline	<8								
4,4'-ddd	<.05								
4,4'-dde	<.05								
4,4'-ddt	<.05								
4,6-dinitro-2-methylphenol	<8								
4-aminobiphenyl	<8								
4-bromophenyl phenyl ether	<8								
4-chloro-3-methylphenol	<8								
4-chloroaniline	<8								
4-chlorophenyl phenyl ether	<8								
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	<8								
4-nitrophenol	<8								
5-nitro-o-toluidine	<8								
7,12-dimethylbenz [a] anthracene	<8								
Acenaphthene	<8								
Acenaphthylene	<8								
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	<10								
Acetophenone	<8								
Acrolein	<10								
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	<.05								
Allyl chloride	<1								
Alpha-bhc	<.05								
Anthracene	<8								

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

Table 9

Analytical Data Summary for MW-64

Constituents	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
(3,4)-methylphenol					
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethane	1.8	1.5	1.7	1.6	1.8
1,1-dichloroethylene	<1	<1	<1	<1	<1
1,1-dichloropropene					
1,2,3-trichloropropane	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					
1,2,4-trichlorobenzene					
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1
1,2-dinitrobenzene					
1,3,5-trinitrobenzene					
1,3-dichlorobenzene					
1,3-dichloropropane					
1,3-dinitrobenzene					
1,4-dichlorobenzene	<1	<1	<1	<1	<1
1,4-naphthoquinone					
1,4-phenylenediamine					
1-naphthylamine					
2,2-dichloropropane					
2,3,4,6-tetrachlorophenol					
2,4,5-t					
2,4,5-tp (silvex)					
2,4,5-trichlorophenol					
2,4,6-trichlorophenol					
2,4-d					
2,4-dichlorophenol					
2,4-dimethylphenol					
2,4-dinitrophenol					
2,4-dinitrotoluene					
2,6-dichlorophenol					
2,6-dinitrotoluene					
2-acetylaminofluorene					
2-butanone (mek)	<10	<10	<10	<10	<10
2-chloronaphthalene					
2-chlorophenol					
2-hexanone (mbk)	<5	<5	<5	<5	<5
2-methylnaphthalene					
2-methylphenol (o-cresol)					
2-naphthylamine					
2-nitroaniline					
2-nitrophenol					
3,3'-dichlorobenzidine					
3,3-dimethylbenzidine					
3-methylcholanthrene					
3-nitroaniline					
4,4'-ddd					
4,4'-dde					
4,4'-ddt					
4,6-dinitro-2-methylphenol					
4-aminobiphenyl					
4-bromophenyl phenyl ether					
4-chloro-3-methylphenol					
4-chloroaniline					
4-chlorophenyl phenyl ether					
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5
4-nitroaniline					
4-nitrophenol					
5-nitro-o-toluidine					
7,12-dimethylbenz [a] anthracene					
Acenaphthene					
Acenaphthylene					
Acetone	<10	<10	<10	<10	<10
Acetonitrile					
Acetophenone					
Acrolein					
Acrylonitrile	<5	<5	<5	<5	<5
Aldrin					
Allyl chloride					
Alpha-bhc					
Anthracene					

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

Table 9

Analytical Data Summary for MW-64

Constituents	Units	9/25/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	3/19/2018	9/11/2018
Antimony, total	ug/L				<2		<2	<2	<2
Arochlor 1016	ug/L				<.1				
Arochlor 1221	ug/L				<.2				
Arochlor 1232	ug/L				<.2				
Arochlor 1242	ug/L				<.2				
Arochlor 1248	ug/L				<.2				
Arochlor 1254	ug/L				<.1				
Arochlor 1260	ug/L				<.1				
Arsenic, total	ug/L				21.6		7.9	19.3	24.2
Azobenzene	ug/L				<8				
Barium, total	ug/L				56.9		57.4	59.4	62.5
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L				<8				
Benzo(a)pyrene	ug/L				<8				
Benzo(b)fluoranthene	ug/L				<8				
Benzo(g,h,i)perylene	ug/L				<8				
Benzo(k)fluoranthene	ug/L				<8				
Benzyl alcohol	ug/L				<8				
Beryllium, total	ug/L				<4.0		<4.0	<4.0	<4.0
Beta-bhc	ug/L				<.05				
Bis (2-chloroethoxy) methane	ug/L				<8				
Bis(2-chloroethyl) ether	ug/L				<8				
Bis(2-ethylhexyl) phthalate	ug/L				<8				
Bis[2-chloroisopropyl]ether	ug/L				<8				
Bromochloromethane	ug/L				<1		<1	<1	<1
Bromodichloromethane	ug/L				<1		<1	<1	<1
Bromoform	ug/L				<1		<1	<1	<1
Bromomethane	ug/L				<1		<1	<1	<1
Butyl benzyl phthalate	ug/L				<8				
Cadmium, total	ug/L				<.8		<.8	<.8	<.8
Carbon disulfide	ug/L				<1.0		<1.0	<1.0	<1.0
Carbon tetrachloride	ug/L				<1		<1	<1	<1
Chemical oxygen demand	mg/L	114 *	95 *	83 *		68			
Chlordane	ug/L				<.1				
Chloride	mg/L	133 *	626 *	476 *		620			
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L				<8				
Chloroethane	ug/L				<1		<1	<1	<1
Chloroform	ug/L				<1		<1	<1	<1
Chloromethane	ug/L				<1		<1	<1	<1
Chloroprene	ug/L				<1				
Chromium, total	ug/L				<8.0		<8.0	<8.0	<8.0
Chrysene	ug/L				<8				
Cis-1,2-dichloroethylene	ug/L				36.4		23.7	17.2	15.1
Cis-1,3-dichloropropene	ug/L				<1		<1	<1	<1
Cobalt, total	ug/L				27.0		34.4	19.1	25.1
Copper, total	ug/L				<4.0		<4.0	<4.0	<4.0
Cyanide, total	mg/L				<.005				
Delta-bhc	ug/L				<.05				
Diallate	ug/L				<8				
Dibenzo(a,h)anthracene	ug/L				<8				
Dibenzofuran	ug/L				<8				
Dibromochloromethane	ug/L				<1		<1	<1	<1
Dibromomethane	ug/L				<1		<1	<1	<1
Dichlorodifluoromethane	ug/L				<1				
Dieldrin	ug/L				<.05				
Diethyl phthalate	ug/L				<8				
Dimethoate	ug/L				<.4				
Dimethylphthalate	ug/L				<8				
Di-n-butyl phthalate	ug/L				<8				
Di-n-octyl phthalate	ug/L				<8				
Dinoseb	ug/L				<.5				
Diphenylamine	ug/L				<8				
Disulfoton	ug/L				<.4				
Endosulfan i	ug/L				<.05				
Endosulfan ii	ug/L				<.05				
Endosulfan sulfate	ug/L				<.05				
Endrin	ug/L				<.05				
Endrin aldehyde	ug/L				<.05				
Ethyl methacrylate	ug/L				<10				
Ethyl methanesulfonate	ug/L				<8				
Ethylbenzene	ug/L				<1		<1	<1	<1
Famphur	ug/L				<.4				
Fluoranthene	ug/L				<8				
Fluorene	ug/L				<8				
Gamma-bhc [lindane]	ug/L				<.05				
Heptachlor	ug/L				<.05				

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

Table 9

Analytical Data Summary for MW-64

Constituents	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022	3/2/2023
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	40.2	22.2	40.3	21.1	20.2	25.2	19.2	27.4	26.4
Azobenzene	<8								
Barium, total	141.0	55.1	96.2	57.6	58.8	51.6	51.2	40.0	61.2
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	<8								
Benzo(a)pyrene	<8								
Benzo(b)fluoranthene	<8								
Benzo(g,h,i)perylene	<8								
Benzo(k)fluoranthene	<8								
Benzyl alcohol	<8								
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	<.05								
Bis (2-chloroethoxy) methane	<8								
Bis(2-chloroethyl) ether	<8								
Bis(2-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
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
Chemical oxygen demand									
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-dichloroethylene	9.7	8.3	4.6	6.4	7.4	7.4	3.9	5.4	3.3
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	16.1	23.0	14.7	20.8	14.6	21.0	11.8	21.6	11.0
Copper, total	4.2	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	<.005								
Delta-bhc	<.05								
Diallate	<8								
Dibenzo(a,h)anthracene	<8								
Dibenzofuran	<8								
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	<1								
Dieldrin	<.05								
Diethyl phthalate	<8								
Dimethoate	<.4								
Dimethylphthalate	<8								
Di-n-butyl phthalate	<8								
Di-n-octyl phthalate	<8								
Dinoseb	<.5								
Diphenylamine	<8								
Disulfoton	<.4								
Endosulfan i	<.05								
Endosulfan ii	<.05								
Endosulfan sulfate	<.05								
Endrin	<.05								
Endrin aldehyde	<.05								
Ethyl methacrylate	<10								
Ethyl methanesulfonate	<8								
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	<.4								
Fluoranthene	<8								
Fluorene	<8								
Gamma-bhc [lindane]	<.05								
Heptachlor	<.05								

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

Table 9

Analytical Data Summary for MW-64

Constituents	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Antimony, total	<2	<2	<2	<2	<1
Arochlor 1016					
Arochlor 1221					
Arochlor 1232					
Arochlor 1242					
Arochlor 1248					
Arochlor 1254					
Arochlor 1260					
Arsenic, total	23.1	29.6	30.6	25.7	23.5
Azobenzene					
Barium, total	43.3	68.5	52.8	57.2	48.1
Benzene	<1	<1	<1	<1	<1
Benzo(a)anthracene					
Benzo(a)pyrene					
Benzo(b)fluoranthene					
Benzo(g,h,i)perylene					
Benzo(k)fluoranthene					
Benzyl alcohol					
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<5
Beta-bhc					
Bis (2-chloroethoxy) methane					
Bis(2-chloroethyl) ether					
Bis(2-ethylhexyl) phthalate					
Bis[2-chloroisopropyl]ether					
Bromochloromethane	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1
Butyl benzyl phthalate					
Cadmium, total	<.8	<.8	<.8	<.8	<.2
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	2.9
Carbon tetrachloride	<1	<1	<1	<1	<1
Chemical oxygen demand					
Chlordane					
Chloride					
Chlorobenzene	<1	<1	<1	<1	<1
Chlorobenzilate					
Chloroethane	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1
Chloroprene					
Chromium, total	<8.0	<8.0	<8.0	<8.0	1.2
Chrysene					
Cis-1,2-dichloroethylene	4.5	2.4	4.1	2.0	3.2
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1
Cobalt, total	18.7	12.0	17.9	11.1	15.9
Copper, total	<4.0	<4.0	<4.0	<4.0	<5.0
Cyanide, total					
Delta-bhc					
Diallate					
Dibenzo(a,h)anthracene					
Dibenzofuran					
Dibromochloromethane	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1
Dichlorodifluoromethane					
Dieldrin					
Diethyl phthalate					
Dimethoate					
Dimethylphthalate					
Di-n-butyl phthalate					
Di-n-octyl phthalate					
Dinoseb					
Diphenylamine					
Disulfoton					
Endosulfan i					
Endosulfan ii					
Endosulfan sulfate					
Endrin					
Endrin aldehyde					
Ethyl methacrylate					
Ethyl methanesulfonate					
Ethylbenzene	<1	<1	<1	<1	<1
Famphur					
Fluoranthene					
Fluorene					
Gamma-bhc [lindane]					
Heptachlor					

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

Table 9

Analytical Data Summary for MW-64

Constituents	Units	9/25/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	3/19/2018	9/11/2018
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				
Iron, dissolved	ug/L	115000	119000	111000		114000			
Isobutanol	ug/L				<1000				
Isodrin	ug/L				<8				
Isophorone	ug/L				<8				
Isosafrole	ug/L				<8				
Kepone	ug/L				<8				
Lead, total	ug/L				<4				
Mercury, total	ug/L				<.5		<4	<4	<4
Methacrylonitrile	ug/L				<1				
Methapyrilene	ug/L				<8				
Methoxychlor	ug/L				<.05				
Methyl iodide	ug/L				<1		<1	<1	<1
Methyl methacrylate	ug/L				<1				
Methyl methanesulfonate	ug/L				<8				
Methyl parathion	ug/L				<.4				
Methylene chloride	ug/L				<5		<5	<5	<5
Naphthalene	ug/L				<8				
Nickel, total	ug/L				56.3		73.1	46.2	55.4
Nitrobenzene	ug/L				<8				
Nitrogen, ammonia	mg/L	1.61 *	1.42 *	1.30 *		1.19			
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				
pH	S.U.	7.4	7.3	6.6					
Phenacetin	ug/L				<8				
Phenanthrene	ug/L				<8				
Phenol	ug/L				<8				
Phenols, total	mg/L	<.1		<.1					
Phorate	ug/L				<.4				
Pronamide	ug/L				<8				
Propionitrile	ug/L				<10				
Pyrene	ug/L				<8				
Safrole	ug/L				<8				
Selenium, total	ug/L				<4.0		<4.0	<4.0	<4.0
Silver, total	ug/L				<4		<4	<4	<8
Specific conductance	umhos/cm	5892	6012	3202					
Styrene	ug/L				<1		<1	<1	<1
Sulfide, total	mg/L				<.1				
Tetrachloroethylene	ug/L				<1		<1	<1	<1
Thallium, total	ug/L				<4.0		<4.0	<4.0	<4.0
Thionazin	ug/L				<.4				
Tin, total	ug/L				<20				
Toluene	ug/L				<1		<1	<1	<1
Total organic halogens (tox)	mg/L	.389		.099					
Toxaphene	ug/L				<.2				
Trans-1,2-dichloroethylene	ug/L				<1		<1	<1	<1
Trans-1,3-dichloropropene	ug/L				<1		<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L				<5		<5	<5	<5
Trichloroethylene	ug/L				<1		<1	<1	<1
Trichlorofluoromethane	ug/L				<1		<1	<1	<1
Vanadium, total	ug/L				<20		<20	<20	<20
Vinyl acetate	ug/L				<5		<5	<5	<5
Vinyl chloride	ug/L	38.9	20.0	20.1	23.7	14.3	17.4	14.4	7.9
Xylenes, total	ug/L				<2		<2	<2	<2
Zinc, total	ug/L				11.1		<20.0	<8.0	8.2

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

Table 9

Analytical Data Summary for MW-64

Constituents	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022	3/2/2023
Heptachlor epoxide	<.05								
Hexachlorobenzene	<.05								
Hexachlorobutadiene	<8								
Hexachlorocyclopentadiene	<8								
Hexachloroethane	<8								
Hexachloropropene	<8								
Indeno(1,2,3-cd)pyrene	<8								
Iron, dissolved									
Isobutanol	<1000								
Isodrin	<8								
Isophorone	<8								
Isosafrole	<8								
Kepone	<8								
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	<.5								
Methacrylonitrile	<1								
Methapyrilene	<8								
Methoxychlor	<.05								
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	<1								
Methyl methanesulfonate	<8								
Methyl parathion	<.4								
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	<8								
Nickel, total	41.6	45.9	39.4	46.6	35.4	49.9	33.0	49.9	30.6
Nitrobenzene	<8								
Nitrogen, ammonia									
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								
pH									
Phenacetin	<8								
Phenanthrene	<8								
Phenol	<8								
Phenols, total									
Phorate	<.4								
Pronamide	<8								
Propionitrile	<10								
Pyrene	<8								
Safrole	<8								
Selenium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Specific conductance									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	<.1								
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin	<.4								
Tin, total	<20								
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total organic halogens (tox)									
Toxaphene	<.2								
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	7.0	5.6	3.7	5.6	3.4	2.6	1.6	1.7	1.9
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	62.6	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-64

Constituents	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Heptachlor epoxide					
Hexachlorobenzene					
Hexachlorobutadiene					
Hexachlorocyclopentadiene					
Hexachloroethane					
Hexachloropropene					
Indeno(1,2,3-cd)pyrene					
Iron, dissolved					
Isobutanol					
Isodrin					
Isophorone					
Isosafrole					
Kepone					
Lead, total	<4	<4	<4	<4	<1
Mercury, total					
Methacrylonitrile					
Methapyrilene					
Methoxychlor					
Methyl iodide	<1	<1	<1	<1	<1
Methyl methacrylate					
Methyl methanesulfonate					
Methyl parathion					
Methylene chloride	<5	<5	<5	<5	<5
Naphthalene					
Nickel, total	43.1	32.0	42.6	30.7	40.3
Nitrobenzene					
Nitrogen, ammonia					
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					
pH					
Phenacetin					
Phenanthrene					
Phenol					
Phenols, total					
Phorate					
Pronamide					
Propionitrile					
Pyrene					
Safrole					
Selenium, total	<4.0	<4.0	<4.0	<4.0	2.1
Silver, total	<4	<4	<4	<4	<5
Specific conductance					
Styrene	<1	<1	<1	<1	<1
Sulfide, total					
Tetrachloroethylene	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<5
Thionazin					
Tin, total					
Toluene	<1	<1	<1	<1	<1
Total organic halogens (tox)					
Toxaphene					
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5	<5
Vinyl chloride	1.8	2.7	1.7	<1.0	1.4
Xylenes, total	<2	<2	<2	<2	<2
Zinc, total	<20.0	51.4	21.5	<20.0	27.2

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

Table 9

Analytical Data Summary for MW-65

Constituents	Units	9/25/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	3/19/2018	9/11/2018
(3,4)-methylphenol	ug/L				<8				
1,1,1,2-tetrachloroethane	ug/L				<1		<1	<1	<1
1,1,1-trichloroethane	ug/L				<1		<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L				<1		<1	<1	<1
1,1,2-trichloroethane	ug/L				<1		<1	<1	<1
1,1-dichloroethane	ug/L				<1		<1	<1	<1
1,1-dichloroethylene	ug/L				<1		<1	<1	<1
1,1-dichloropropene	ug/L				<1				
1,2,3-trichloropropane	ug/L				<1		<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L				<8				
1,2,4-trichlorobenzene	ug/L				<1				
1,2-dibromo-3-chloropropane	ug/L				<1		<1	<1	<1
1,2-dibromoethane	ug/L				<1		<1	<1	<1
1,2-dichlorobenzene	ug/L				<1		<1	<1	<1
1,2-dichloroethane	ug/L				<1		<1	<1	<1
1,2-dichloropropane	ug/L				<1		<1	<1	<1
1,2-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
1,4-naphthoquinone	ug/L				<8				
1,4-phenylenediamine	ug/L				<8				
1-naphthylamine	ug/L				<8				
2,2-dichloropropane	ug/L				<1				
2,3,4,6-tetrachlorophenol	ug/L				<8				
2,4,5-t	ug/L				<.5				
2,4,5-tp (silvex)	ug/L				<.5				
2,4,5-trichlorophenol	ug/L				<8				
2,4,6-trichlorophenol	ug/L				<8				
2,4-d	ug/L				<2				
2,4-dichlorophenol	ug/L				<8				
2,4-dimethylphenol	ug/L				<8				
2,4-dinitrophenol	ug/L				<8				
2,4-dinitrotoluene	ug/L				<8				
2,6-dichlorophenol	ug/L				<8				
2,6-dinitrotoluene	ug/L				<8				
2-acetylaminofluorene	ug/L				<8				
2-butanone (mek)	ug/L				<5		<5	<5	<5
2-chloronaphthalene	ug/L				<8				
2-chlorophenol	ug/L				<8				
2-hexanone (mbk)	ug/L				<5		<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 (mibk)	ug/L				<5		<5	<5	<5
4-nitroaniline	ug/L				<8				
4-nitrophenol	ug/L				<8				
5-nitro-o-toluidine	ug/L				<8				
7,12-dimethylbenz [a] anthracene	ug/L				<8				
Acenaphthene	ug/L				<8				
Acenaphthylene	ug/L				<8				
Acetone	ug/L				<10		<10	<10	<10
Acetonitrile	ug/L				<10				
Acetophenone	ug/L				<8				
Acrolein	ug/L				<10				
Acrylonitrile	ug/L				<5		<5	<5	<5
Aldrin	ug/L				<.05				
Allyl chloride	ug/L				<1				
Alpha-bhc	ug/L				<.05				
Anthracene	ug/L				<8				

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

Table 9

Analytical Data Summary for MW-65

Constituents	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022	3/2/2023
(3,4)-methylphenol	<8								
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	<1								
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	<8								
1,2,4-trichlorobenzene	<1								
1,2-dibromo-3-chloropropane	<1	<1	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	<8								
1,3,5-trinitrobenzene	<8								
1,3-dichlorobenzene	<1								
1,3-dichloropropane	<1								
1,3-dinitrobenzene	<8								
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	<8								
1,4-phenylenediamine	<8								
1-naphthylamine	<8								
2,2-dichloropropane	<1								
2,3,4,6-tetrachlorophenol	<8								
2,4,5-t	<5								
2,4,5-tp (silvex)	<5								
2,4,5-trichlorophenol	<8								
2,4,6-trichlorophenol	<8								
2,4-d	<2								
2,4-dichlorophenol	<8								
2,4-dimethylphenol	<8								
2,4-dinitrophenol	<8								
2,4-dinitrotoluene	<8								
2,6-dichlorophenol	<8								
2,6-dinitrotoluene	<8								
2-acetylaminofluorene	<8								
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<10	<10	<10
2-chloronaphthalene	<8								
2-chlorophenol	<8								
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	<8								
2-methylphenol (o-cresol)	<8								
2-naphthylamine	<8								
2-nitroaniline	<8								
2-nitrophenol	<8								
3,3'-dichlorobenzidine	<8								
3,3-dimethylbenzidine	<8								
3-methylcholanthrene	<8								
3-nitroaniline	<8								
4,4'-ddd	<.05								
4,4'-dde	<.05								
4,4'-ddt	<.05								
4,6-dinitro-2-methylphenol	<8								
4-aminobiphenyl	<8								
4-bromophenyl phenyl ether	<8								
4-chloro-3-methylphenol	<8								
4-chloroaniline	<8								
4-chlorophenyl phenyl ether	<8								
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	<8								
4-nitrophenol	<8								
5-nitro-o-toluidine	<8								
7,12-dimethylbenz [a] anthracene	<8								
Acenaphthene	<8								
Acenaphthylene	<8								
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	<10								
Acetophenone	<8								
Acrolein	<10								
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	<.05								
Allyl chloride	<1								
Alpha-bhc	<.05								
Anthracene	<8								

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

Table 9

Analytical Data Summary for MW-65

Constituents	3/28/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
(3,4)-methylphenol						
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1
1,1-dichloropropene						
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene						
1,2,4-trichlorobenzene						
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene						
1,3,5-trinitrobenzene						
1,3-dichlorobenzene						
1,3-dichloropropane						
1,3-dinitrobenzene						
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone						
1,4-phenylenediamine						
1-naphthylamine						
2,2-dichloropropane						
2,3,4,6-tetrachlorophenol						
2,4,5-t						
2,4,5-tp (silvex)						
2,4,5-trichlorophenol						
2,4,6-trichlorophenol						
2,4-d						
2,4-dichlorophenol						
2,4-dimethylphenol						
2,4-dinitrophenol						
2,4-dinitrotoluene						
2,6-dichlorophenol						
2,6-dinitrotoluene						
2-acetylaminofluorene						
2-butanone (mek)	<10	<10	<10	<10	<10	<10
2-chloronaphthalene						
2-chlorophenol						
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
2-methylnaphthalene						
2-methylphenol (o-cresol)						
2-naphthylamine						
2-nitroaniline						
2-nitrophenol						
3,3'-dichlorobenzidine						
3,3-dimethylbenzidine						
3-methylcholanthrene						
3-nitroaniline						
4,4'-ddd						
4,4'-dde						
4,4'-ddt						
4,6-dinitro-2-methylphenol						
4-aminobiphenyl						
4-bromophenyl phenyl ether						
4-chloro-3-methylphenol						
4-chloroaniline						
4-chlorophenyl phenyl ether						
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5
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-65

Constituents	Units	9/25/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	3/19/2018	9/11/2018
Antimony, total	ug/L				<2		<2	<2	<2
Arochlor 1016	ug/L				<.1				
Arochlor 1221	ug/L				<.2				
Arochlor 1232	ug/L				<.2				
Arochlor 1242	ug/L				<.2				
Arochlor 1248	ug/L				<.2				
Arochlor 1254	ug/L				<.1				
Arochlor 1260	ug/L				<.1				
Arsenic, total	ug/L				8.0		<4.0	<4.0	<4.0
Azobenzene	ug/L				<8				
Barium, total	ug/L				30.5		19.2	18.3	32.1
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L				<8				
Benzo(a)pyrene	ug/L				<8				
Benzo(b)fluoranthene	ug/L				<8				
Benzo(g,h,i)perylene	ug/L				<8				
Benzo(k)fluoranthene	ug/L				<8				
Benzyl alcohol	ug/L				<8				
Beryllium, total	ug/L				<4.0		<4.0	<4.0	<4.0
Beta-bhc	ug/L				<.05				
Bis (2-chloroethoxy) methane	ug/L				<8				
Bis(2-chloroethyl) ether	ug/L				<8				
Bis(2-ethylhexyl) phthalate	ug/L				<8				
Bis[2-chloroisopropyl]ether	ug/L				<8				
Bromochloromethane	ug/L				<1		<1	<1	<1
Bromodichloromethane	ug/L				<1		<1	<1	<1
Bromoform	ug/L				<1		<1	<1	<1
Bromomethane	ug/L				<1		<1	<1	<1
Butyl benzyl phthalate	ug/L				<8				
Cadmium, total	ug/L				<.8		<.8	<.8	<.8
Carbon disulfide	ug/L				<1		<1	<1	<1
Carbon tetrachloride	ug/L				<1		<1	<1	<1
Chemical oxygen demand	mg/L	50 *	30 *	60 *		36			
Chlordane	ug/L				<.1				
Chloride	mg/L	65 *	72 *	91 *		100			
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L				<8				
Chloroethane	ug/L				<1		<1	<1	<1
Chloroform	ug/L				<1		<1	<1	<1
Chloromethane	ug/L				<1		<1	<1	<1
Chloroprene	ug/L				<1				
Chromium, total	ug/L				<8.0		<8.0	<8.0	<8.0
Chrysene	ug/L				<8				
Cis-1,2-dichloroethylene	ug/L				<1		<1	<1	<1
Cis-1,3-dichloropropene	ug/L				<1		<1	<1	<1
Cobalt, total	ug/L				10.7		3.1	8.8	11.3
Copper, total	ug/L				6.7		<4.0	<4.0	8.0
Cyanide, total	mg/L				<.005				
Delta-bhc	ug/L				<.05				
Diallate	ug/L				<8				
Dibenzo(a,h)anthracene	ug/L				<8				
Dibenzofuran	ug/L				<8				
Dibromochloromethane	ug/L				<1		<1	<1	<1
Dibromomethane	ug/L				<1		<1	<1	<1
Dichlorodifluoromethane	ug/L				<1				
Dieldrin	ug/L				<.05				
Diethyl phthalate	ug/L				<8				
Dimethoate	ug/L				<.4				
Dimethylphthalate	ug/L				<8				
Di-n-butyl phthalate	ug/L				<8				
Di-n-octyl phthalate	ug/L				<8				
Dinoseb	ug/L				<.5				
Diphenylamine	ug/L				<8				
Disulfoton	ug/L				<.4				
Endosulfan i	ug/L				<.05				
Endosulfan ii	ug/L				<.05				
Endosulfan sulfate	ug/L				<.05				
Endrin	ug/L				<.05				
Endrin aldehyde	ug/L				<.05				
Ethyl methacrylate	ug/L				<10				
Ethyl methanesulfonate	ug/L				<8				
Ethylbenzene	ug/L				<1		<1	<1	<1
Famphur	ug/L				<.4				
Fluoranthene	ug/L				<8				
Fluorene	ug/L				<8				
Gamma-bhc [lindane]	ug/L				<.05				
Heptachlor	ug/L				<.05				

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

Table 9

Analytical Data Summary for MW-65

Constituents	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022	3/2/2023
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	5.8	4.0	<4.0	4.1	<4.0	<4.0	<4.0	4.3	9.5
Azobenzene	<8								
Barium, total	33.0	23.9	13.9	10.1	14.3	18.6	12.9	16.9	39.9
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	
Benzo(a)anthracene	<8								
Benzo(a)pyrene	<8								
Benzo(b)fluoranthene	<8								
Benzo(g,h,i)perylene	<8								
Benzo(k)fluoranthene	<8								
Benzyl alcohol	<8								
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	<.05								
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	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	
Chemical oxygen demand									
Chlordane	<.1								
Chloride									
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	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	<8								
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	
Cobalt, total	10.0	3.7	1.6	2.7	3.2	2.1	.7	5.5	9.3
Copper, total	4.0	<4.0	<4.0	<4.0	10.3	<4.0	<4.0	4.4	5.2
Cyanide, total	<.005								
Delta-bhc	<.05								
Diallate	<8								
Dibenzo(a,h)anthracene	<8								
Dibenzofuran	<8								
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	
Dichlorodifluoromethane	<1								
Dieldrin	<.05								
Diethyl phthalate	<8								
Dimethoate	<.4								
Dimethylphthalate	<8								
Di-n-butyl phthalate	<8								
Di-n-octyl phthalate	<8								
Dinoseb	<.5								
Diphenylamine	<8								
Disulfoton	<.4								
Endosulfan i	<.05								
Endosulfan ii	<.05								
Endosulfan sulfate	<.05								
Endrin	<.05								
Endrin aldehyde	<.05								
Ethyl methacrylate	<10								
Ethyl methanesulfonate	<8								
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	
Famphur	<.4								
Fluoranthene	<8								
Fluorene	<8								
Gamma-bhc [lindane]	<.05								
Heptachlor	<.05								

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

Table 9

Analytical Data Summary for MW-65

Constituents	3/28/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Antimony, total		<2	<2	<2	<2	<1
Arochlor 1016						
Arochlor 1221						
Arochlor 1232						
Arochlor 1242						
Arochlor 1248						
Arochlor 1254						
Arochlor 1260						
Arsenic, total		<4.0	6.7	7.9	4.3	13.2
Azobenzene						
Barium, total		19.1	30.0	35.4	30.0	77.3
Benzene	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene						
Benzo(a)pyrene						
Benzo(b)fluoranthene						
Benzo(g,h,i)perylene						
Benzo(k)fluoranthene						
Benzyl alcohol						
Beryllium, total		<4.0	<4.0	<4.0	<4.0	<.5
Beta-bhc						
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
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chemical oxygen demand						
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	1.7
Chrysene						
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total		5.2	9.2	3.4	3.6	15.6
Copper, total		<4.0	<4.0	8.7	<4.0	8.1
Cyanide, total						
Delta-bhc						
Diallate						
Dibenzo(a,h)anthracene						
Dibenzofuran						
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane						
Dieldrin						
Diethyl phthalate						
Dimethoate						
Dimethylphthalate						
Di-n-butyl phthalate						
Di-n-octyl phthalate						
Dinoseb						
Diphenylamine						
Disulfoton						
Endosulfan i						
Endosulfan ii						
Endosulfan sulfate						
Endrin						
Endrin aldehyde						
Ethyl methacrylate						
Ethyl methanesulfonate						
Ethylbenzene	<1	<1	<1	<1	<1	<1
Famphur						
Fluoranthene						
Fluorene						
Gamma-bhc [lindane]						
Heptachlor						

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

Table 9

Analytical Data Summary for MW-65

Constituents	Units	9/25/2014	3/25/2015	9/16/2015	9/14/2016	3/23/2017	9/8/2017	3/19/2018	9/11/2018
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				
Iron, dissolved	ug/L	16500	1580	115000		152000			
Isobutanol	ug/L				<1000				
Isodrin	ug/L				<8				
Isophorone	ug/L				<8				
Isosafrole	ug/L				<8				
Kepone	ug/L				<8				
Lead, total	ug/L				<4				
Mercury, total	ug/L				<.5		<4	<4	<4
Methacrylonitrile	ug/L				<1				
Methapyrilene	ug/L				<8				
Methoxychlor	ug/L				<.05				
Methyl iodide	ug/L				<1		<1	<1	<1
Methyl methacrylate	ug/L				<1				
Methyl methanesulfonate	ug/L				<8				
Methyl parathion	ug/L				<.4				
Methylene chloride	ug/L				<5		<5	<5	<5
Naphthalene	ug/L				<8				
Nickel, total	ug/L				28.2		10.9	15.3	24.8
Nitrobenzene	ug/L				<8				
Nitrogen, ammonia	mg/L	<1 *	<1 *	<1 *		<1			
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				
pH	S.U.	7.3	7.9	6.5					
Phenacetin	ug/L				<8				
Phenanthrene	ug/L				<8				
Phenol	ug/L				<8				
Phenols, total	mg/L	<.1		<.1					
Phorate	ug/L				<.4				
Pronamide	ug/L				<8				
Propionitrile	ug/L				<10				
Pyrene	ug/L				<8				
Safrole	ug/L				<8				
Selenium, total	ug/L				<4.0		<4.0	<4.0	<4.0
Silver, total	ug/L				<4		<4	<4	<8
Specific conductance	umhos/cm	2738	3290	1726					
Styrene	ug/L				<1		<1	<1	<1
Sulfide, total	mg/L				<.1				
Tetrachloroethylene	ug/L				<1		<1	<1	<1
Thallium, total	ug/L				<4.0		<4.0	<4.0	<4.0
Thionazin	ug/L				<.4				
Tin, total	ug/L				<20				
Toluene	ug/L				<1		<1	<1	<1
Total organic halogens (tox)	mg/L	.039		.038					
Toxaphene	ug/L				<.2				
Trans-1,2-dichloroethylene	ug/L				<1		<1	<1	<1
Trans-1,3-dichloropropene	ug/L				<1		<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L				<5		<5	<5	<5
Trichloroethylene	ug/L				<1		<1	<1	<1
Trichlorofluoromethane	ug/L				<1		<1	<1	<1
Vanadium, total	ug/L				<20.0		<20.0	<20.0	<20.0
Vinyl acetate	ug/L				<5		<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L				<2		<2	<2	<2
Zinc, total	ug/L				38.3		23.5	13.9	21.7

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

Table 9

Analytical Data Summary for MW-65

Constituents	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022	3/2/2023
Heptachlor epoxide	<.05								
Hexachlorobenzene	<.05								
Hexachlorobutadiene	<8								
Hexachlorocyclopentadiene	<8								
Hexachloroethane	<8								
Hexachloropropene	<8								
Indeno(1,2,3-cd)pyrene	<8								
Iron, dissolved									
Isobutanol	<1000								
Isodrin	<8								
Isophorone	<8								
Isosafrole	<8								
Kepone	<8								
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	<.5								
Methacrylonitrile	<1								
Methapyrilene	<8								
Methoxychlor	<.05								
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	
Methyl methacrylate	<1								
Methyl methanesulfonate	<8								
Methyl parathion	<.4								
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	
Naphthalene	<8								
Nickel, total	12.3	9.2	7.6	5.8	7.4	4.5	<4.0	13.0	20.7
Nitrobenzene	<8								
Nitrogen, ammonia									
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								
pH									
Phenacetin	<8								
Phenanthrene	<8								
Phenol	<8								
Phenols, total									
Phorate	<.4								
Pronamide	<8								
Propionitrile	<10								
Pyrene	<8								
Safrole	<8								
Selenium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	8.2
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Specific conductance									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	
Sulfide, total	<.1								
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin	<.4								
Tin, total	<20								
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	
Total organic halogens (tox)									
Toxaphene	<.2								
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	
Vanadium, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	
Zinc, total	50.5	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	25.7

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

Table 9

Analytical Data Summary for MW-65

Constituents	3/28/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Heptachlor epoxide						
Hexachlorobenzene						
Hexachlorobutadiene						
Hexachlorocyclopentadiene						
Hexachloroethane						
Hexachloropropene						
Indeno(1,2,3-cd)pyrene						
Iron, dissolved						
Isobutanol						
Isodrin						
Isophorone						
Isosafrole						
Kepone						
Lead, total		<4	<4	<4	<4	<1
Mercury, total						
Methacrylonitrile						
Methapyrilene						
Methoxychlor						
Methyl iodide	<1	<1	<1	<1	<1	<1
Methyl methacrylate						
Methyl methanesulfonate						
Methyl parathion						
Methylene chloride	<5	<5	<5	<5	<5	<5
Naphthalene						
Nickel, total		7.3	14.9	13.5	12.0	40.6
Nitrobenzene						
Nitrogen, ammonia						
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						
pH						
Phenacetin						
Phenanthrene						
Phenol						
Phenols, total						
Phorate						
Pronamide						
Propionitrile						
Pyrene						
Safrole						
Selenium, total		<4.0	<4.0	<4.0	<4.0	<2.0
Silver, total		<4	<4	<4	<4	<5
Specific conductance						
Styrene	<1	<1	<1	<1	<1	<1
Sulfide, total						
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Thallium, total		<2.0	<2.0	<2.0	<2.0	<.5
Thionazin						
Tin, total						
Toluene	<1	<1	<1	<1	<1	<1
Total organic halogens (tox)						
Toxaphene						
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total		<20.0	<20.0	<20.0	<20.0	2.1
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	21.5	29.4	<20.0	56.8

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

Table 9

Analytical Data Summary for MW-78

Constituents	Units	9/24/2014	12/5/2014	3/11/2015	6/16/2015	9/16/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	304	291	304	329	298	309	311	307	357
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.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	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Selenium, total	ug/L	5.4	5.6	6.5	8.6	8.1	8.9	9.4	10.6	6.9
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	10.7	<8.0	<8.0	8.4	<8.0	<8.0	<8.0	<8.0	<20.0

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

Table 9

Analytical Data Summary for MW-78

Constituents	3/19/2018	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	320	295	285	332	304	319	304	332	291
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	<.8	<.4	1.0	<.4	<.4
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Selenium, total	8.3	5.6	9.5	6.8	5.4	8.5	9.4	4.9	6.3
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	<20.0	<20.0	17.6	<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-78

Constituents	8/31/2022	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<1
Arsenic, total	<4	<4	<4	<4	<4	<4	<2
Barium, total	340	345	309	341	284	283	301
Benzene	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8	<8	<8	<8	<8	<8	<1
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.4	<.4	<.4	<.4	<.4	<.4	<.5
Copper, total	<4	<4	<4	<4	<4	<4	<5
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<1
Methyl iodide	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4	<4	<4	<4	<4	<4	<5
Selenium, total	6.2	7.9	5.8	5.7	4.1	<4.0	6.0
Silver, total	<4	<4	<4	<4	<4	<4	<5
Styrene	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5
Toluene	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	6.4

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

Table 9

Analytical Data Summary for MW-79

Constituents	Units	9/24/2014	12/5/2014	3/11/2015	9/17/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018
1,1,1,2-tetrachloroethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5		<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5		<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5		<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10		<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5		<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2		<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4		<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	127.0		91.0	98.4	87.0	101.0	89.2	114.0	82.5
Benzene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<8		<8	<8	<8	<8	<8	<8	<8
Carbon disulfide	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8		<8	<8	<8	<8	<8	<8	<8
Cis-1,2-dichloroethylene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	2.6		<8	<8	<8	<8	<8	<8	<8
Copper, total	ug/L	10.3		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	4.4		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl iodide	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5		<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	9.3		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	ug/L	<4		<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4		<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0		<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5		<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium, total	ug/L	<20		<20	<20	<20	<20	<20	<20	<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	35.9	<8.0	<8.0	8.2	<8.0	<8.0	<8.0	<20.0	<8.0

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

Table 9

Analytical Data Summary for MW-79

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022	3/2/2023
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	98.7	88.0	90.3	80.4	76.3	62.9	63.3	62.1	62.1	66.8
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-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<8	<8	<8	<8	<4	1.3	<4	<4	<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
Lead, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<8	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0
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	<8.0	21.3	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-79

Constituents	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<1
Arsenic, total	<4	<4	<4	<4	<2
Barium, total	62.1	57.9	64.7	54.9	54.9
Benzene	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<.5
Bromochloromethane	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.2
Carbon disulfide	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1
Chromium, total	<8	<8	<8	<8	<1
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1
Cobalt, total	<.4	<.4	<.4	<.4	<.5
Copper, total	<4.0	<4.0	<4.0	<4.0	<5.0
Dibromochloromethane	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1
Lead, total	<4.0	<4.0	<4.0	<4.0	<1.0
Methyl iodide	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<5.0
Selenium, total	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<5
Styrene	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<.5
Toluene	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium, total	<20	<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	12.2

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

Table 9

Analytical Data Summary for MW-80

Constituents	Units	9/24/2014	3/11/2015	9/17/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018
(3,4)-methylphenol	ug/L		<8						
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L		<1						
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L		<8						
1,2,4-trichlorobenzene	ug/L		<1						
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L		<8						
1,3,5-trinitrobenzene	ug/L		<8						
1,3-dichlorobenzene	ug/L		<1						
1,3-dichloropropane	ug/L		<1						
1,3-dinitrobenzene	ug/L		<8						
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L		<8						
1,4-phenylenediamine	ug/L		<8						
1-naphthylamine	ug/L		<8						
2,2-dichloropropane	ug/L		<1						
2,3,4,6-tetrachlorophenol	ug/L		<8						
2,4,5-t	ug/L		<5						
2,4,5-tp (silvex)	ug/L		<5						
2,4,5-trichlorophenol	ug/L		<8						
2,4,6-trichlorophenol	ug/L		<8						
2,4-d	ug/L		<2						
2,4-dichlorophenol	ug/L		<8						
2,4-dimethylphenol	ug/L		<8						
2,4-dinitrophenol	ug/L		<8						
2,4-dinitrotoluene	ug/L		<8						
2,6-dichlorophenol	ug/L		<8						
2,6-dinitrotoluene	ug/L		<8						
2-acetylaminofluorene	ug/L		<8						
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L		<8						
2-chlorophenol	ug/L		<8						
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L		<8						
2-methylphenol (o-cresol)	ug/L		<8						
2-naphthylamine	ug/L		<8						
2-nitroaniline	ug/L		<8						
2-nitrophenol	ug/L		<8						
3,3'-dichlorobenzidine	ug/L		<8						
3,3-dimethylbenzidine	ug/L		<8						
3-methylcholanthrene	ug/L		<8						
3-nitroaniline	ug/L		<8						
4,4'-ddd	ug/L		<.05						
4,4'-dde	ug/L		<.05						
4,4'-ddt	ug/L		<.05						
4,6-dinitro-2-methylphenol	ug/L		<8						
4-aminobiphenyl	ug/L		<8						
4-bromophenyl phenyl ether	ug/L		<8						
4-chloro-3-methylphenol	ug/L		<8						
4-chloroaniline	ug/L		<8						
4-chlorophenyl phenyl ether	ug/L		<8						
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L		<8						
4-nitrophenol	ug/L		<8						
5-nitro-o-toluidine	ug/L		<8						
7,12-dimethylbenz [a] anthracene	ug/L		<8						
Acenaphthene	ug/L		<8						
Acenaphthylene	ug/L		<8						
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L		<10						
Acetophenone	ug/L		<8						
Acrolein	ug/L		<10						
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L		<.05						
Allyl chloride	ug/L		<1						
Alpha-bhc	ug/L		<.05						
Anthracene	ug/L		<8						

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

Table 9

Analytical Data Summary for MW-80

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022
(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-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene				<1					
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene				<8					
1,2,4-trichlorobenzene				<1					
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene				<8					
1,3,5-trinitrobenzene				<8					
1,3-dichlorobenzene				<1					
1,3-dichloropropane				<1					
1,3-dinitrobenzene				<8					
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone				<8					
1,4-phenylenediamine				<8					
1-naphthylamine				<8					
2,2-dichloropropane				<1					
2,3,4,6-tetrachlorophenol				<8					
2,4,5-t				<.5					
2,4,5-tp (silvex)				<8					
2,4,5-trichlorophenol				<8					
2,4,6-trichlorophenol				<8					
2,4-d				<8					
2,4-dichlorophenol				<8					
2,4-dimethylphenol				<8					
2,4-dinitrophenol				<8					
2,4-dinitrotoluene				<8					
2,6-dichlorophenol				<8					
2,6-dinitrotoluene				<8					
2-acetylaminofluorene				<8					
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<10
2-chloronaphthalene				<8					
2-chlorophenol				<8					
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene				<8					
2-methylphenol (o-cresol)				<8					
2-naphthylamine				<8					
2-nitroaniline				<8					
2-nitrophenol				<8					
3,3'-dichlorobenzidine				<8					
3,3-dimethylbenzidine				<8					
3-methylcholanthrene				<8					
3-nitroaniline				<8					
4,4'-ddd				<.05					
4,4'-dde				<.05					
4,4'-ddt				<.05					
4,6-dinitro-2-methylphenol				<8					
4-aminobiphenyl				<8					
4-bromophenyl phenyl ether				<8					
4-chloro-3-methylphenol				<8					
4-chloroaniline				<8					
4-chlorophenyl phenyl ether				<8					
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline				<8					
4-nitrophenol				<8					
5-nitro-o-toluidine				<8					
7,12-dimethylbenz [a] anthracene				<8					
Acenaphthene				<8					
Acenaphthylene				<8					
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile				<10					
Acetophenone				<8					
Acrolein				<10					
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin				<.05					
Allyl chloride				<1					
Alpha-bhc				<.05					
Anthracene				<8					

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

Table 9

Analytical Data Summary for MW-80

Constituents	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
(3,4)-methylphenol					<8	
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1
1,1-dichloropropene					<1	
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					<8	
1,2,4-trichlorobenzene					<1	
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<1	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene					<8	
1,3,5-trinitrobenzene					<8	
1,3-dichlorobenzene					<1	
1,3-dichloropropane					<1	
1,3-dinitrobenzene					<8	
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone					<8	
1,4-phenylenediamine					<8	
1-naphthylamine					<8	
2,2-dichloropropane					<1	
2,3,4,6-tetrachlorophenol					<8	
2,4,5-t					<.5	
2,4,5-tp (silvex)					<.5	
2,4,5-trichlorophenol					<8	
2,4,6-trichlorophenol					<8	
2,4-d					<2	
2,4-dichlorophenol					<8	
2,4-dimethylphenol					<8	
2,4-dinitrophenol					<8	
2,4-dinitrotoluene					<8	
2,6-dichlorophenol					<8	
2,6-dinitrotoluene					<8	
2-acetylaminofluorene					<8	
2-butanone (mek)	<10	<10	<10	<10	<5	<10
2-chloronaphthalene					<8	
2-chlorophenol					<8	
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
2-methylnaphthalene					<8	
2-methylphenol (o-cresol)					<8	
2-naphthylamine					<8	
2-nitroaniline					<8	
2-nitrophenol					<8	
3,3'-dichlorobenzidine					<8	
3,3-dimethylbenzidine					<8	
3-methylcholanthrene					<8	
3-nitroaniline					<8	
4,4'-ddd					<.05	
4,4'-dde					<.05	
4,4'-ddt					<.05	
4,6-dinitro-2-methylphenol					<8	
4-aminobiphenyl					<8	
4-bromophenyl phenyl ether					<8	
4-chloro-3-methylphenol					<8	
4-chloroaniline					<8	
4-chlorophenyl phenyl ether					<8	
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5
4-nitroaniline					<8	
4-nitrophenol					<8	
5-nitro-o-toluidine					<8	
7,12-dimethylbenz [a] anthracene					<8	
Acenaphthene					<8	
Acenaphthylene					<8	
Acetone	<10	<10	<10	<10	<10	<10
Acetonitrile					<10	
Acetophenone					<8	
Acrolein					<10	
Acrylonitrile	<5	<5	<5	<5	<5	<5
Aldrin					<.05	
Allyl chloride					<1	
Alpha-bhc					<.05	
Anthracene					<8	

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

Table 9

Analytical Data Summary for MW-80

Constituents	Units	9/24/2014	3/11/2015	9/17/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L		<1						
Arochlor 1221	ug/L		<2						
Arochlor 1232	ug/L		<2						
Arochlor 1242	ug/L		<2						
Arochlor 1248	ug/L		<2						
Arochlor 1254	ug/L		<1						
Arochlor 1260	ug/L		<1						
Arsenic, total	ug/L	<4.0	8.2	<4.0	<4.0	9.3	10.8	<4.0	<4.0
Azobenzene	ug/L		<8						
Barium, total	ug/L	241	259	259	290	276	276	288	216
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L		<8						
Benzo(a)pyrene	ug/L		<8						
Benzo(b)fluoranthene	ug/L		<8						
Benzo(g,h,i)perylene	ug/L		<8						
Benzo(k)fluoranthene	ug/L		<8						
Benzyl alcohol	ug/L		<8						
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L		<.05						
Bis (2-chloroethoxy) methane	ug/L		<8						
Bis(2-chloroethyl) ether	ug/L		<8						
Bis(2-ethylhexyl) phthalate	ug/L		<8						
Bis[2-chloroisopropyl]ether	ug/L		<8						
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L		<8						
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	1.1	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L		<1						
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L		<8						
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L		<1						
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L		<8						
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	2.1	1.7	3.0	.8
Copper, total	ug/L	5.5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L		<.005						
Delta-bhc	ug/L		<.05						
Diallate	ug/L		<8						
Dibenzo(a,h)anthracene	ug/L		<8						
Dibenzofuran	ug/L		<8						
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L		<1						
Dieldrin	ug/L		<.05						
Diethyl phthalate	ug/L		<8						
Dimethoate	ug/L		<.4						
Dimethylphthalate	ug/L		<8						
Di-n-butyl phthalate	ug/L		<8						
Di-n-octyl phthalate	ug/L		<8						
Dinoseb	ug/L		<.5						
Diphenylamine	ug/L		<8						
Disulfoton	ug/L		<.4						
Endosulfan i	ug/L		<.05						
Endosulfan ii	ug/L		<.05						
Endosulfan sulfate	ug/L		<.05						
Endrin	ug/L		<.05						
Endrin aldehyde	ug/L		<.05						
Ethyl methacrylate	ug/L		<10						
Ethyl methanesulfonate	ug/L		<8						
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L		<.4						
Fluoranthene	ug/L		<8						
Fluorene	ug/L		<8						
Gamma-bhc [lindane]	ug/L		<.05						
Heptachlor	ug/L		<.05						
Heptachlor epoxide	ug/L		<.05						
Hexachlorobenzene	ug/L		<.05						

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

Table 9

Analytical Data Summary for MW-80

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022
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	<4.0	59.0	<4.0	<4.0	4.1	<4.0	5.4	<4.0	240.0
Azobenzene				<8					
Barium, total	228	380	228	172	201	154	168	145	562
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene				<8					
Benzo(a)pyrene				<8					
Benzo(b)fluoranthene				<8					
Benzo(g,h,i)perylene				<8					
Benzo(k)fluoranthene				<8					
Benzyl alcohol				<8					
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc				<.05					
Bis (2-chloroethoxy) methane				<8					
Bis(2-chloroethyl) ether				<8					
Bis(2-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	1.0	<.8	<.8	<.8	<.8	<.8	2.6
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane				<1					
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate				<8					
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene				<1					
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene				<8					
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	.9	1.4	2.5	1.7	2.7	2.9	7.4
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total				<.005					
Delta-bhc				<.05					
Diallate				<8					
Dibenzo(a,h)anthracene				<8					
Dibenzofuran				<8					
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane				<1					
Dieldrin				<.05					
Diethyl phthalate				<8					
Dimethoate				<.4					
Dimethylphthalate				<8					
Di-n-butyl phthalate				<8					
Di-n-octyl phthalate				<8					
Dinoseb				<.5					
Diphenylamine				<8					
Disulfoton				<.4					
Endosulfan i				<.05					
Endosulfan ii				<.05					
Endosulfan sulfate				<.05					
Endrin				<.05					
Endrin aldehyde				<.05					
Ethyl methacrylate				<10					
Ethyl methanesulfonate				<8					
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur				<.4					
Fluoranthene				<8					
Fluorene				<8					
Gamma-bhc [lindane]				<.05					
Heptachlor				<.05					
Heptachlor epoxide				<.05					
Hexachlorobenzene				<.05					

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

Table 9

Analytical Data Summary for MW-80

Constituents	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Antimony, total	<2	<2	<2	<2	<2	<1
Arochlor 1016					<2	
Arochlor 1221					<2	
Arochlor 1232					<2	
Arochlor 1242					<2	
Arochlor 1248					<2	
Arochlor 1254					<2	
Arochlor 1260					<2	
Arsenic, total	4.6	<4.0	<4.0	<4.0	4.6	<2.0
Azobenzene					<8	
Barium, total	145	146	131	135	127	120
Benzene	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene					<8	
Benzo(a)pyrene					<8	
Benzo(b)fluoranthene					<8	
Benzo(g,h,i)perylene					<8	
Benzo(k)fluoranthene					<8	
Benzyl alcohol					<8	
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<.5
Beta-bhc					<.05	
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
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate					<8	
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chlordane					<1	
Chlorobenzene	<1	<1	<1	<1	<1	<1
Chlorobenzilate					<8	
Chloroethane	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chloroprene					<1	
Chromium, total	<8	<8	<8	<8	<8	<1
Chrysene					<8	
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	1.2	.7	1.3	.8	1.8	.6
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0
Cyanide, total					<.010	
Delta-bhc					<.05	
Diallate					<8	
Dibenzo(a,h)anthracene					<8	
Dibenzofuran					<8	
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane					<1	
Dieldrin					<.05	
Diethyl phthalate					<8	
Dimethoate					<.4	
Dimethylphthalate					<8	
Di-n-butyl phthalate					<8	
Di-n-octyl phthalate					<8	
Dinoseb					<.5	
Diphenylamine					<8	
Disulfoton					<.4	
Endosulfan i					<.05	
Endosulfan ii					<.05	
Endosulfan sulfate					<.05	
Endrin					<.05	
Endrin aldehyde					<.05	
Ethyl methacrylate					<10	
Ethyl methanesulfonate					<8	
Ethylbenzene	<1	<1	<1	<1	<1	<1
Famphur					<.4	
Fluoranthene					<8	
Fluorene					<8	
Gamma-bhc [lindane]					<.05	
Heptachlor					<.05	
Heptachlor epoxide					<.05	
Hexachlorobenzene					<.05	

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

Table 9

Analytical Data Summary for MW-80

Constituents	Units	9/24/2014	3/11/2015	9/17/2015	3/22/2016	9/15/2016	3/23/2017	9/8/2017	3/19/2018
Hexachlorobutadiene	ug/L		<8						
Hexachlorocyclopentadiene	ug/L		<8						
Hexachloroethane	ug/L		<8						
Hexachloropropene	ug/L		<8						
Indeno(1,2,3-cd)pyrene	ug/L		<8						
Isobutanol	ug/L		<1000						
Isodrin	ug/L		<8						
Isophorone	ug/L		<8						
Isosafrole	ug/L		<8						
Kepone	ug/L		<8						
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L		<.5						
Methacrylonitrile	ug/L		<1						
Methapyrilene	ug/L		<8						
Methoxychlor	ug/L		<.05						
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L		<1						
Methyl methanesulfonate	ug/L		<8						
Methyl parathion	ug/L		<.4						
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L		<8						
Nickel, total	ug/L	<4.0	<4.0	<4.0	6.9	8.4	11.1	10.4	6.8
Nitrobenzene	ug/L		<8						
N-nitrosodiethylamine	ug/L		<8						
N-nitrosodimethylamine	ug/L		<8						
N-nitrosodi-n-butylamine	ug/L		<8						
N-nitroso-di-n-propylamine	ug/L		<8						
N-nitrosodiphenylamine	ug/L		<8						
N-nitrosomethylethylamine	ug/L		<8						
N-nitrosopiperidine	ug/L		<8						
N-nitrosopyrrolidine	ug/L		<8						
O,o,o-triethyl phosphorothioate	ug/L		<.4						
O-toluidine	ug/L		<8						
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						
Pronamide	ug/L		<8						
Propionitrile	ug/L		<10						
Pyrene	ug/L		<8						
Safrole	ug/L		<8						
Selenium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L		<.1						
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L		<.4						
Tin, total	ug/L		<20						
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L		<.2						
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	36.0	<8.0	10.7	13.0	<8.0	<8.0	<20.0	<8.0

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

Table 9

Analytical Data Summary for MW-80

Constituents	9/11/2018	3/26/2019	9/4/2019	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022
Hexachlorobutadiene				<8					
Hexachlorocyclopentadiene				<8					
Hexachloroethane				<8					
Hexachloropropene				<8					
Indeno(1,2,3-cd)pyrene				<8					
Isobutanol				<1000					
Isodrin				<8					
Isophorone				<8					
Isosafrole				<8					
Kepone				<8					
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total				<5					
Methacrylonitrile				<1					
Methapyrene				<8					
Methoxychlor				<.05					
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate				<1					
Methyl methanesulfonate				<8					
Methyl parathion				<4					
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene				<8					
Nickel, total	4.1	5.7	6.0	4.6	6.2	<4.0	5.1	4.7	8.1
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					
Pronamide				<8					
Propionitrile				<10					
Pyrene				<8					
Safrole				<8					
Selenium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	31.6
Silver, total	<8	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total				<1					
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin				<4					
Tin, total				<20					
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene				<2					
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	16.1	23.3	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-80

Constituents	3/2/2023	9/12/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
Hexachlorobutadiene					<8	
Hexachlorocyclopentadiene					<8	
Hexachloroethane					<8	
Hexachloropropene					<8	
Indeno(1,2,3-cd)pyrene					<8	
Isobutanol					<1000	
Isodrin					<8	
Isophorone					<8	
Isosafrole					<8	
Kepone					<8	
Lead, total	<4	<4	<4	<4	<4	<1
Mercury, total					<.5	
Methacrylonitrile					<1	
Methapyrilene					<8	
Methoxychlor					<.05	
Methyl iodide	<1	<1	<1	<1	<2	<1
Methyl methacrylate					<1	
Methyl methanesulfonate					<8	
Methyl parathion					<.4	
Methylene chloride	<5	<5	<5	<5	<5	<5
Naphthalene					<8	
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0
Nitrobenzene					<8	
N-nitrosodiethylamine					<8	
N-nitrosodimethylamine					<8	
N-nitrosodi-n-butylamine					<8	
N-nitroso-di-n-propylamine					<8	
N-nitrosodiphenylamine					<8	
N-nitrosomethylethylamine					<8	
N-nitrosopiperidine					<8	
N-nitrosopyrrolidine					<8	
O,o,o-triethyl phosphorothioate					<.4	
O-toluidine					<8	
P-(dimethylamino)azobenzene					<8	
Parathion					<.4	
Pentachlorobenzene					<8	
Pentachloronitrobenzene (pcnb)					<8	
Pentachlorophenol					<8	
Phenacetin					<8	
Phenanthrene					<8	
Phenol					<8	
Phorate					<.4	
Pronamide					<8	
Propionitrile					<10	
Pyrene					<8	
Safrole					<8	
Selenium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0
Silver, total	<4	<4	<4	<4	<4	<5
Styrene	<1	<1	<1	<1	<1	<1
Sulfide, total					<.1	
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5
Thionazin					<.4	
Tin, total					<20	
Toluene	<1	<1	<1	<1	<1	<1
Toxaphene					<.2	
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<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	6.0

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

Table 9

Analytical Data Summary for PECS-1

Constituents	Units	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	3/2/2023	3/4/2024	9/23/2024	11/14/2024
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<5	<5	<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 (mek)	ug/L	<5	<5	<5	<5	<10	<10	<10	<10	
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
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	
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	
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
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	
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
Toluene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	<1.0
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
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	

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

Table 9

Analytical Data Summary for PECS-1

Constituents	3/12/2025	9/3/2025
1,1,1,2-tetrachloroethane	<1	<1
1,1,1-trichloroethane	<1	<1
1,1,2,2-tetrachloroethane	<1	<1
1,1,2-trichloroethane	<1	<1
1,1-dichloroethane	<1	<1
1,1-dichloroethylene	<1	<1
1,2,3-trichloropropane	<1	<1
1,2-dibromo-3-chloropropane	<5	<5
1,2-dibromoethane	<1	<1
1,2-dichlorobenzene	<1	<1
1,2-dichloroethane	<1	<1
1,2-dichloropropane	<1	<1
1,4-dichlorobenzene	<1	<1
2-butanone (mek)	<10	<10
2-hexanone (mbk)	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5
Acetone	<10	<10
Acrylonitrile	<5	<5
Benzene	<1	<1
Bromochloromethane	<1	<1
Bromodichloromethane	<1	<1
Bromoform	<1	<1
Bromomethane	<1	<1
Carbon disulfide	<1	<1
Carbon tetrachloride	<1	<1
Chlorobenzene	<1	<1
Chloroethane	<1	<1
Chloroform	<1	<1
Chloromethane	<1	<1
Cis-1,2-dichloroethylene	<1	<1
Cis-1,3-dichloropropene	<1	<1
Dibromochloromethane	<1	<1
Dibromomethane	<1	<1
Ethylbenzene	<1	<1
Methyl iodide	<1	<1
Methylene chloride	<5	<5
Styrene	<1	<1
Tetrachloroethylene	<1	<1
Toluene	<1.0	<1.0
Trans-1,2-dichloroethylene	<1	<1
Trans-1,3-dichloropropene	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5
Trichloroethylene	<1	<1
Trichlorofluoromethane	<1	<1
Vinyl acetate	<5	<5
Vinyl chloride	<1	<1
Xylenes, total	<2	<2

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

Table 9

Analytical Data Summary for SW-101

Constituents	Units	3/25/2015	9/14/2016	3/23/2017	6/9/2017	9/8/2017	3/19/2018	9/11/2018	3/26/2019
1,1,1,2-tetrachloroethane	ug/L		<1	<1		<1	<1	<1	<1
1,1,1-trichloroethane	ug/L		<1	<1		<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L		<1	<1		<1	<1	<1	<1
1,1,2-trichloroethane	ug/L		<1	<1		<1	<1	<1	<1
1,1-dichloroethane	ug/L		<1	<1		<1	<1	<1	<1
1,1-dichloroethylene	ug/L		<1	<1		<1	<1	<1	<1
1,2,3-trichloropropane	ug/L		<1	<1		<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L		<1	<1		<1	<1	<1	<1
1,2-dibromoethane	ug/L		<1	<1		<1	<1	<1	<1
1,2-dichlorobenzene	ug/L		<1	<1		<1	<1	<1	<1
1,2-dichloroethane	ug/L		<1	<1		<1	<1	<1	<1
1,2-dichloropropane	ug/L		<1	<1		<1	<1	<1	<1
1,4-dichlorobenzene	ug/L		<1	<1		<1	<1	<1	<1
2-butanone (mek)	ug/L		<5	<5		<5	<5	<5	<5
2-hexanone (mbk)	ug/L		<5	<5		<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L		<5	<5		<5	<5	<5	<5
Acetone	ug/L		<10	<10		<10	<10	<10	<10
Acrylonitrile	ug/L		<5	<5		<5	<5	<5	<5
Antimony, total	ug/L		<2	<2		<2	<2	<2	<2
Arsenic, total	ug/L		<4.0	<4.0		<4.0	4.4	<4.0	<4.0
Barium, total	ug/L		188	233		272	162	127	160
Benzene	ug/L		<1	<1		<1	<1	<1	<1
Beryllium, total	ug/L		<4	<4		<4	<4	<4	<4
Bromochloromethane	ug/L		<1	<1		<1	<1	<1	<1
Bromodichloromethane	ug/L		<1	<1		<1	<1	<1	<1
Bromoform	ug/L		<1	<1		<1	<1	<1	<1
Bromomethane	ug/L		<1	<1		<1	<1	<1	<1
Cadmium, total	ug/L		<.8	<.8		<.8	<.8	<.8	<.8
Carbon disulfide	ug/L		<1	<1		<1	<1	<1	<1
Carbon tetrachloride	ug/L		<1	<1		<1	<1	<1	<1
Chemical oxygen demand	mg/L	34 *							
Chloride	mg/L	87 *							
Chlorobenzene	ug/L		<1	<1		<1	<1	<1	<1
Chloroethane	ug/L		<1	<1		<1	<1	<1	<1
Chloroform	ug/L		<1	<1		<1	<1	<1	<1
Chloromethane	ug/L		<1	<1		<1	<1	<1	<1
Chromium, total	ug/L		<8	<8		<8	<8	<8	<8
Cis-1,2-dichloroethylene	ug/L		<1.0	1.4	<1.0	<1.0	<1.0	<1.0	2.8
Cis-1,3-dichloropropene	ug/L		<1	<1		<1	<1	<1	<1
Cobalt, total	ug/L		4.5	4.2		6.9	2.3	1.9	1.8
Copper, total	ug/L		<4	<4		<4	<4	<4	<4
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
Iron, dissolved	ug/L	1080							
Lead, total	ug/L		<4	<4		<4	<4	<4	<4
Methyl iodide	ug/L		<1	<1		<1	<1	<1	<1
Methylene chloride	ug/L		<5	<5		<5	<5	<5	<5
Nickel, total	ug/L		8.7	5.4		8.6	<4.0	<4.0	4.2
Nitrogen, ammonia	mg/L	<1 *							
pH	S.U.	7.4							
Selenium, total	ug/L		<4	<4		<4	<4	<4	<4
Silver, total	ug/L		<4	<4		<4	<4	<8	<4
Specific conductance	umhos/cm	913							
Styrene	ug/L		<1	<1		<1	<1	<1	<1
Tetrachloroethylene	ug/L		<1	<1		<1	<1	<1	<1
Thallium, total	ug/L		<4	<4		<4	<4	<4	<2
Toluene	ug/L		<1	<1		<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L		<1	<1		<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L		<1	<1		<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L		<5	<5		<5	<5	<5	<5
Trichloroethylene	ug/L		<1	<1		<1	<1	<1	<1
Trichlorofluoromethane	ug/L		<1	<1		<1	<1	<1	<1
Vanadium, total	ug/L		<20	<20		<20	<20	<20	<20
Vinyl acetate	ug/L		<5	<5		<5	<5	<5	<5
Vinyl chloride	ug/L		<1.0	<1.0		<1.0	<1.0	<1.0	<1.0
Xylenes, total	ug/L		<2	<2		<2	<2	<2	<2
Zinc, total	ug/L		<8	<8		<20	<8	<8	<20

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

Table 9

Analytical Data Summary for SW-101

Constituents	6/6/2019	9/4/2019	12/4/2019
1,1,1,2-tetrachloroethane		<1	
1,1,1-trichloroethane		<1	
1,1,2,2-tetrachloroethane		<1	
1,1,2-trichloroethane		<1	
1,1-dichloroethane		<1	
1,1-dichloroethylene		<1	
1,2,3-trichloropropane		<1	
1,2-dibromo-3-chloropropane		<1	
1,2-dibromoethane		<1	
1,2-dichlorobenzene		<1	
1,2-dichloroethane		<1	
1,2-dichloropropane		<1	
1,4-dichlorobenzene		<1	
2-butanone (mek)		<5	
2-hexanone (mbk)		<5	
4-methyl-2-pentanone (mibk)		<5	
Acetone		<10	
Acrylonitrile		<5	
Antimony, total		<2	
Arsenic, total		7.3	
Barium, total		256	
Benzene		<1	
Beryllium, total		<4	
Bromochloromethane		<1	
Bromodichloromethane		<1	
Bromoform		<1	
Bromomethane		<1	
Cadmium, total		<8	
Carbon disulfide		<1	
Carbon tetrachloride		<1	
Chemical oxygen demand			
Chloride			
Chlorobenzene		<1	
Chloroethane		<1	
Chloroform		<1	
Chloromethane		<1	
Chromium, total		<8	
Cis-1,2-dichloroethylene	<1.0	2.9	3.6
Cis-1,3-dichloropropene		<1	
Cobalt, total		5.9	
Copper, total		<4	
Dibromochloromethane		<1	
Dibromomethane		<1	
Ethylbenzene		<1	
Iron, dissolved			
Lead, total		<4	
Methyl iodide		<1	
Methylene chloride		<5	
Nickel, total		7.5	
Nitrogen, ammonia			
pH			
Selenium, total		<4	
Silver, total		<4	
Specific conductance			
Styrene		<1	
Tetrachloroethylene		<1	
Thallium, total		<2	
Toluene		<1	
Trans-1,2-dichloroethylene		<1	
Trans-1,3-dichloropropene		<1	
Trans-1,4-dichloro-2-butene		<5	
Trichloroethylene		<1	
Trichlorofluoromethane		<1	
Vanadium, total		<20	
Vinyl acetate		<5	
Vinyl chloride		1.6	<1.0
Xylenes, total		<2	
Zinc, total		<8	

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

Table 9

Analytical Data Summary for SW-101R

Constituents	Units	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022	3/2/2023	9/12/2023	3/4/2024
(3,4)-methylphenol	ug/L	<8		<8						
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L	<1		<1						
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L	<8		<8						
1,2,4-trichlorobenzene	ug/L	<1		<1						
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<1	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L	<8		<8						
1,3,5-trinitrobenzene	ug/L	<8		<8						
1,3-dichlorobenzene	ug/L	<1		<1						
1,3-dichloropropane	ug/L	<1		<1						
1,3-dinitrobenzene	ug/L	<8		<8						
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L	<8		<8						
1,4-phenylenediamine	ug/L	<8		<8						
1-naphthylamine	ug/L	<8		<8						
2,2-dichloropropane	ug/L	<1		<1						
2,3,4,6-tetrachlorophenol	ug/L	<8		<8						
2,4,5-t	ug/L	<5		<5						
2,4,5-tp (silvex)	ug/L	<5		<5						
2,4,5-trichlorophenol	ug/L	<8		<8						
2,4,6-trichlorophenol	ug/L	<8		<8						
2,4-d	ug/L	<2		<2						
2,4-dichlorophenol	ug/L	<8		<8						
2,4-dimethylphenol	ug/L	<8		<8						
2,4-dinitrophenol	ug/L	<8		<8						
2,4-dinitrotoluene	ug/L	<8		<8						
2,6-dichlorophenol	ug/L	<8		<8						
2,6-dinitrotoluene	ug/L	<8		<8						
2-acetylaminofluorene	ug/L	<8		<8						
2-butanone (mek)	ug/L	<5	<5	<5	<5	<10	<10	<10	<10	<10
2-chloronaphthalene	ug/L	<8		<8						
2-chlorophenol	ug/L	<8		<8						
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L	<8		<8						
2-methylphenol (o-cresol)	ug/L	<8		<8						
2-naphthylamine	ug/L	<8		<8						
2-nitroaniline	ug/L	<8		<8						
2-nitrophenol	ug/L	<8		<8						
3,3'-dichlorobenzidine	ug/L	<8		<8						
3,3-dimethylbenzidine	ug/L	<8		<8						
3-methylcholanthrene	ug/L	<8		<8						
3-nitroaniline	ug/L	<8		<8						
4,4'-ddd	ug/L	<.05		<.05						
4,4'-dde	ug/L	<.05		<.05						
4,4'-ddt	ug/L	<.05		<.05						
4,6-dinitro-2-methylphenol	ug/L	<8		<8						
4-aminobiphenyl	ug/L	<8		<8						
4-bromophenyl phenyl ether	ug/L	<8		<8						
4-chloro-3-methylphenol	ug/L	<8		<8						
4-chloroaniline	ug/L	<8		<8						
4-chlorophenyl phenyl ether	ug/L	<8		<8						
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L	<8		<8						
4-nitrophenol	ug/L	<8		<8						
5-nitro-o-toluidine	ug/L	<8		<8						
7,12-dimethylbenz [a] anthracene	ug/L	<8		<8						
Acenaphthene	ug/L	<8		<8						
Acenaphthylene	ug/L	<8		<8						
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L	<10		<10						
Acetophenone	ug/L	<8		<8						
Acrolein	ug/L	<10		<10						
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L	<.05		<.05						
Allyl chloride	ug/L	<1		<1						
Alpha-bhc	ug/L	<.05		<.05						
Anthracene	ug/L	<8		<8						

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

Table 9

Analytical Data Summary for SW-101R

Constituents	9/23/2024	3/12/2025	6/2/2025	9/3/2025
(3,4)-methylphenol				
1,1,1,2-tetrachloroethane	<1	<1		<1
1,1,1-trichloroethane	<1	<1		<1
1,1,2,2-tetrachloroethane	<1	<1		<1
1,1,2-trichloroethane	<1	<1		<1
1,1-dichloroethane	<1	<1		<1
1,1-dichloroethylene	<1	<1		<1
1,1-dichloropropene				
1,2,3-trichloropropane	<1	<1		<1
1,2,4,5-tetrachlorobenzene				
1,2,4-trichlorobenzene				
1,2-dibromo-3-chloropropane	<5	<5		<5
1,2-dibromoethane	<1	<1		<1
1,2-dichlorobenzene	<1	<1		<1
1,2-dichloroethane	<1	<1		<1
1,2-dichloropropane	<1	<1		<1
1,2-dinitrobenzene				
1,3,5-trinitrobenzene				
1,3-dichlorobenzene				
1,3-dichloropropane				
1,3-dinitrobenzene				
1,4-dichlorobenzene	<1	<1		<1
1,4-naphthoquinone				
1,4-phenylenediamine				
1-naphthylamine				
2,2-dichloropropane				
2,3,4,6-tetrachlorophenol				
2,4,5-t				
2,4,5-tp (silvex)				
2,4,5-trichlorophenol				
2,4,6-trichlorophenol				
2,4-d				
2,4-dichlorophenol				
2,4-dimethylphenol				
2,4-dinitrophenol				
2,4-dinitrotoluene				
2,6-dichlorophenol				
2,6-dinitrotoluene				
2-acetylaminofluorene				
2-butanone (mek)	<10	<10		<10
2-chloronaphthalene				
2-chlorophenol				
2-hexanone (mbk)	<5	<5		<5
2-methylnaphthalene				
2-methylphenol (o-cresol)				
2-naphthylamine				
2-nitroaniline				
2-nitrophenol				
3,3'-dichlorobenzidine				
3,3-dimethylbenzidine				
3-methylcholanthrene				
3-nitroaniline				
4,4'-ddd				
4,4'-dde				
4,4'-ddt				
4,6-dinitro-2-methylphenol				
4-aminobiphenyl				
4-bromophenyl phenyl ether				
4-chloro-3-methylphenol				
4-chloroaniline				
4-chlorophenyl phenyl ether				
4-methyl-2-pentanone (mibk)	<5	<5		<5
4-nitroaniline				
4-nitrophenol				
5-nitro-o-toluidine				
7,12-dimethylbenz [a] anthracene				
Acenaphthene				
Acenaphthylene				
Acetone	<10	<10		<10
Acetonitrile				
Acetophenone				
Acrolein				
Acrylonitrile	<5	<5		<5
Aldrin				
Allyl chloride				
Alpha-bhc				
Anthracene				

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

Table 9

Analytical Data Summary for SW-101R

Constituents	Units	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022	3/2/2023	9/12/2023	3/4/2024
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L	<.1		<.1						
Arochlor 1221	ug/L	<.2		<.2						
Arochlor 1232	ug/L	<.2		<.2						
Arochlor 1242	ug/L	<.2		<.2						
Arochlor 1248	ug/L	<.2		<.2						
Arochlor 1254	ug/L	<.1		<.1						
Arochlor 1260	ug/L	<.1		<.1						
Arsenic, total	ug/L	5.5	5.4	<4.0	6.9	15.2	4.7	5.7	4.1	<4.0
Azobenzene	ug/L	<8		<8						
Barium, total	ug/L	232	243	157	265	363	265	266	249	240
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L	<8		<8						
Benzo(a)pyrene	ug/L	<8		<8						
Benzo(b)fluoranthene	ug/L	<8		<8						
Benzo(g,h,i)perylene	ug/L	<8		<8						
Benzo(k)fluoranthene	ug/L	<8		<8						
Benzyl alcohol	ug/L	<8		<8						
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L	<.05		<.05						
Bis (2-chloroethoxy) methane	ug/L	<8		<8						
Bis(2-chloroethyl) ether	ug/L	<8		<8						
Bis(2-ethylhexyl) phthalate	ug/L	<6		<6						
Bis[2-chloroisopropyl]ether	ug/L	<8		<8						
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L	<8		<8						
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L	<.1		<.1						
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L	<8		<8						
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L	<1		<1						
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L	<8		<8						
Cis-1,2-dichloroethylene	ug/L	2.6	1.8	2.1	5.9	5.5	6.1	5.9	6.0	4.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	3.5	3.8	2.2	5.1	3.1	6.6	3.0	4.1	2.7
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L	<.005		<.005						
Delta-bhc	ug/L	<.05		<.05						
Diallate	ug/L	<8		<8						
Dibenzo(a,h)anthracene	ug/L	<8		<8						
Dibenzofuran	ug/L	<8		<8						
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1		<1						
Dieldrin	ug/L	<.05		<.05						
Diethyl phthalate	ug/L	<8		<8						
Dimethoate	ug/L	<.4		<.4						
Dimethylphthalate	ug/L	<8		<8						
Di-n-butyl phthalate	ug/L	<8		<8						
Di-n-octyl phthalate	ug/L	<8		<8						
Dinoseb	ug/L	<.5		<.5						
Diphenylamine	ug/L	<8		<8						
Disulfoton	ug/L	<.4		<.4						
Endosulfan i	ug/L	<.05		<.05						
Endosulfan ii	ug/L	<.05		<.05						
Endosulfan sulfate	ug/L	<.05		<.05						
Endrin	ug/L	<.05		<.05						
Endrin aldehyde	ug/L	<.05		<.05						
Ethyl methacrylate	ug/L	<10		<10						
Ethyl methanesulfonate	ug/L	<8		<8						
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L	<.4		<.4						
Fluoranthene	ug/L	<8		<8						
Fluorene	ug/L	<8		<8						
Gamma-bhc [lindane]	ug/L	<.05		<.05						
Heptachlor	ug/L	<.05		<.05						
Heptachlor epoxide	ug/L	<.05		<.05						
Hexachlorobenzene	ug/L	<.05		<.05						

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

Table 9

Analytical Data Summary for SW-101R

Constituents	9/23/2024	3/12/2025	6/2/2025	9/3/2025
Antimony, total	<2	<2		<1
Arochlor 1016				
Arochlor 1221				
Arochlor 1232				
Arochlor 1242				
Arochlor 1248				
Arochlor 1254				
Arochlor 1260				
Arsenic, total	4.7	<4.0		4.0
Azobenzene				
Barium, total	236	224		228
Benzene	<1	<1		<1
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Benzyl alcohol				
Beryllium, total	<4.0	<4.0		<.5
Beta-bhc				
Bis (2-chloroethoxy) methane				
Bis(2-chloroethyl) ether				
Bis(2-ethylhexyl) phthalate				
Bis[2-chloroisopropyl]ether				
Bromochloromethane	<1	<1		<1
Bromodichloromethane	<1	<1		<1
Bromoform	<1	<1		<1
Bromomethane	<1	<1		<1
Butyl benzyl phthalate				
Cadmium, total	<.8	<.8		<.2
Carbon disulfide	<1	<1		<1
Carbon tetrachloride	<1	<1		<1
Chlordane				
Chlorobenzene	<1	<1		<1
Chlorobenzilate				
Chloroethane	<1	<1		<1
Chloroform	<1	<1		<1
Chloromethane	<1	<1		<1
Chloroprene				
Chromium, total	<8	<8		<1
Chrysene				
Cis-1,2-dichloroethylene	3.4	2.2		3.0
Cis-1,3-dichloropropene	<1	<1		<1
Cobalt, total	3.9	1.4		4.2
Copper, total	<4.0	5.7	<5.0	<5.0
Cyanide, total				
Delta-bhc				
Diallate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Dibromochloromethane	<1	<1		<1
Dibromomethane	<1	<1		<1
Dichlorodifluoromethane				
Dieldrin				
Diethyl phthalate				
Dimethoate				
Dimethylphthalate				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dinoseb				
Diphenylamine				
Disulfoton				
Endosulfan i				
Endosulfan ii				
Endosulfan sulfate				
Endrin				
Endrin aldehyde				
Ethyl methacrylate				
Ethyl methanesulfonate				
Ethylbenzene	<1	<1		<1
Famphur				
Fluoranthene				
Fluorene				
Gamma-bhc [lindane]				
Heptachlor				
Heptachlor epoxide				
Hexachlorobenzene				

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

Table 9

Analytical Data Summary for SW-101R

Constituents	Units	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	8/31/2022	3/2/2023	9/12/2023	3/4/2024
Hexachlorobutadiene	ug/L	<8		<8						
Hexachlorocyclopentadiene	ug/L	<8		<8						
Hexachloroethane	ug/L	<8		<8						
Hexachloropropene	ug/L	<8		<8						
Indeno(1,2,3-cd)pyrene	ug/L	<8		<8						
Isobutanol	ug/L	<1000		<1000						
Isodrin	ug/L	<8		<8						
Isophorone	ug/L	<8		<8						
Isosafrole	ug/L	<8		<8						
Kepone	ug/L	<8		<8						
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L	<.5		<.5						
Methacrylonitrile	ug/L	<1		<1						
Methapyrilene	ug/L	<8		<8						
Methoxychlor	ug/L	<.05		<.05						
Methyl iodide	ug/L	<1	<1	<2	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L	<1		<1						
Methyl methanesulfonate	ug/L	<8		<8						
Methyl parathion	ug/L	<.4		<.4						
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L	<8		<8						
Nickel, total	ug/L	6.5	5.3	<4.0	6.4	<4.0	7.5	<4.0	4.9	<4.0
Nitrobenzene	ug/L	<8		<8						
N-nitrosodiethylamine	ug/L	<8		<8						
N-nitrosodimethylamine	ug/L	<8		<8						
N-nitrosodi-n-butylamine	ug/L	<8		<8						
N-nitroso-di-n-propylamine	ug/L	<8		<8						
N-nitrosodiphenylamine	ug/L	<8		<8						
N-nitrosomethylethylamine	ug/L	<8		<8						
N-nitrosopiperidine	ug/L	<8		<8						
N-nitrosopyrrolidine	ug/L	<8		<8						
O,o,o-triethyl phosphorothioate	ug/L	<.4		<.4						
O-toluidine	ug/L	<8		<8						
P-(dimethylamino)azobenzene	ug/L	<8		<8						
Parathion	ug/L	<.4		<.4						
Pentachlorobenzene	ug/L	<8		<8						
Pentachloronitrobenzene (pcnb)	ug/L	<8		<8						
Pentachlorophenol	ug/L	<8		<8						
Phenacetin	ug/L	<8		<8						
Phenanthrene	ug/L	<8		<8						
Phenol	ug/L	<8		<8						
Phorate	ug/L	<.4		<.4						
Pronamide	ug/L	<8		<8						
Propionitrile	ug/L	<10		<10						
Pyrene	ug/L	<8		<8						
Safrole	ug/L	<8		<8						
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L	<.1		<.1						
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin	ug/L	<.4		<.4						
Tin, total	ug/L	<20		<20						
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L	<.2		<.2						
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1.0	1.8	1.8	4.6	6.5	3.9	5.9	4.4	5.3
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<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 SW-101R

Constituents	9/23/2024	3/12/2025	6/2/2025	9/3/2025
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Hexachloropropene				
Indeno(1,2,3-cd)pyrene				
Isobutanol				
Isodrin				
Isophorone				
Isosafrole				
Kepone				
Lead, total	<4	<4		<1
Mercury, total				
Methacrylonitrile				
Methapyrilene				
Methoxychlor				
Methyl iodide	<1	<1		<1
Methyl methacrylate				
Methyl methanesulfonate				
Methyl parathion				
Methylene chloride	<5	<5		<5
Naphthalene				
Nickel, total	4.7	<4.0		6.3
Nitrobenzene				
N-nitrosodiethylamine				
N-nitrosodimethylamine				
N-nitrosodi-n-butylamine				
N-nitroso-di-n-propylamine				
N-nitrosodiphenylamine				
N-nitrosomethylethylamine				
N-nitrosopiperidine				
N-nitrosopyrrolidine				
O,o,o-triethyl phosphorothioate				
O-toluidine				
P-(dimethylamino)azobenzene				
Parathion				
Pentachlorobenzene				
Pentachloronitrobenzene (pcnb)				
Pentachlorophenol				
Phenacetin				
Phenanthrene				
Phenol				
Phorate				
Pronamide				
Propionitrile				
Pyrene				
Safrole				
Selenium, total	<4	<4		<2
Silver, total	<4	<4		<5
Styrene	<1	<1		<1
Sulfide, total				
Tetrachloroethylene	<1	<1		<1
Thallium, total	<2.0	<2.0		<.5
Thionazin				
Tin, total				
Toluene	<1	<1		<1
Toxaphene				
Trans-1,2-dichloroethylene	<1	<1		<1
Trans-1,3-dichloropropene	<1	<1		<1
Trans-1,4-dichloro-2-butene	<5	<5		<5
Trichloroethylene	<1	<1		<1
Trichlorofluoromethane	<1	<1		<1
Vanadium, total	<20	<20		<2
Vinyl acetate	<5	<5		<5
Vinyl chloride	3.1	1.2		3.3
Xylenes, total	<2	<2		<2
Zinc, total	<20	<20		<5

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

Table 9

Analytical Data Summary for SW-102

Constituents	Units	9/25/2014	3/25/2015	9/16/2015	3/23/2017	3/19/2018	9/11/2018	3/26/2019	9/4/2019
1,1,1,2-tetrachloroethane	ug/L					<1	<1	<1	<1
1,1,1-trichloroethane	ug/L					<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L					<1	<1	<1	<1
1,1,2-trichloroethane	ug/L					<1	<1	<1	<1
1,1-dichloroethane	ug/L					<1	<1	<1	<1
1,1-dichloroethylene	ug/L					<1	<1	<1	<1
1,2,3-trichloropropane	ug/L					<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L					<1	<1	<1	<1
1,2-dibromoethane	ug/L					<1	<1	<1	<1
1,2-dichlorobenzene	ug/L					<1	<1	<1	<1
1,2-dichloroethane	ug/L					<1	<1	<1	<1
1,2-dichloropropane	ug/L					<1	<1	<1	<1
1,4-dichlorobenzene	ug/L					<1	<1	<1	<1
2-butanone (mek)	ug/L					<5	<5	<5	<5
2-hexanone (mbk)	ug/L					<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L					<5	<5	<5	<5
Acetone	ug/L					<10	<10	<10	<10
Acrylonitrile	ug/L					<5	<5	<5	<5
Antimony, total	ug/L					<2	<2	<2	<2
Arsenic, total	ug/L					<4.0	<4.0	<4.0	5.6
Barium, total	ug/L					110	178	145	221
Benzene	ug/L					<1	<1	<1	<1
Beryllium, total	ug/L					<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L					<1	<1	<1	<1
Bromodichloromethane	ug/L					<1	<1	<1	<1
Bromoform	ug/L					<1	<1	<1	<1
Bromomethane	ug/L					<1	<1	<1	<1
Cadmium, total	ug/L					<.8	<.8	<.8	<.8
Carbon disulfide	ug/L					<1	<1	<1	<1
Carbon tetrachloride	ug/L					<1	<1	<1	<1
Chemical oxygen demand	mg/L	15 *	14 *	<10 *	<10				
Chloride	mg/L	36 *	44 *	18 *	35				
Chlorobenzene	ug/L					<1	<1	<1	<1
Chloroethane	ug/L					<1	<1	<1	<1
Chloroform	ug/L					<1	<1	<1	<1
Chloromethane	ug/L					<1	<1	<1	<1
Chromium, total	ug/L					<8	<8	<8	<8
Cis-1,2-dichloroethylene	ug/L					<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L					<1	<1	<1	<1
Cobalt, total	ug/L					<.8	<.8	<.8	1.6
Copper, total	ug/L					<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	ug/L					<1	<1	<1	<1
Dibromomethane	ug/L					<1	<1	<1	<1
Ethylbenzene	ug/L					<1	<1	<1	<1
Iron, dissolved	ug/L	382	202	143	450				
Lead, total	ug/L					<4	<4	<4	<4
Methyl iodide	ug/L					<1	<1	<1	<1
Methylene chloride	ug/L					<5	<5	<5	<5
Nickel, total	ug/L					<4.0	7.6	<4.0	4.0
Nitrogen, ammonia	mg/L	<1 *	<1 *	<1 *	<1				
pH	S.U.	7.9	7.2	7.9					
Phenols, total	mg/L	<.1		<.1					
Selenium, total	ug/L					<4	<4	<4	<4
Silver, total	ug/L					<4	<8	<4	<4
Specific conductance	umhos/cm	525	582	581					
Styrene	ug/L					<1	<1	<1	<1
Tetrachloroethylene	ug/L					<1	<1	<1	<1
Thallium, total	ug/L					<4.0	<4.0	<2.0	<2.0
Toluene	ug/L					<1	<1	<1	<1
Total organic halogens (tox)	mg/L	.016		.058					
Trans-1,2-dichloroethylene	ug/L					<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L					<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L					<5	<5	<5	<5
Trichloroethylene	ug/L					<1	<1	<1	<1
Trichlorofluoromethane	ug/L					<1	<1	<1	<1
Vanadium, total	ug/L					<20	<20	<20	<20
Vinyl acetate	ug/L					<5	<5	<5	<5
Vinyl chloride	ug/L					<1	<1	<1	<1
Xylenes, total	ug/L					<2	<2	<2	<2
Zinc, total	ug/L					<8.0	8.7	<20.0	<20.0

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

Table 9

Analytical Data Summary for SW-102

Constituents	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	3/2/2023	3/4/2024	9/23/2024	3/12/2025	9/3/2025
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-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<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 (mek)	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1
Arsenic, total	<4.0	4.4	<4.0	5.9	<4.0	<4.0	<4.0	4.3	<4.0	2.1
Barium, total	169	150	142	190	118	103	134	190	152	176
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	<5
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	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chemical oxygen demand										
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	<8	<8	<8	<8	<8	<8	<8	<8	<1
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	.9	1.1	1.2	.5	<.4	<.4	1.1	<.4	.5
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	7.8
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
Iron, dissolved										
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<1
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	6.2
Nitrogen, ammonia										
pH										
Phenols, total										
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<5
Specific conductance										
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total organic halogens (tox)										
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<2
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	7.3

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

Table 9

Analytical Data Summary for SW-103

Constituents	Units	9/25/2014	3/25/2015	9/16/2015	3/23/2017	3/19/2018	9/11/2018	3/26/2019	9/4/2019
1,1,1,2-tetrachloroethane	ug/L					<1	<1	<1	<1
1,1,1-trichloroethane	ug/L					<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L					<1	<1	<1	<1
1,1,2-trichloroethane	ug/L					<1	<1	<1	<1
1,1-dichloroethane	ug/L					<1	<1	<1	<1
1,1-dichloroethylene	ug/L					<1	<1	<1	<1
1,2,3-trichloropropane	ug/L					<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L					<1	<1	<1	<1
1,2-dibromoethane	ug/L					<1	<1	<1	<1
1,2-dichlorobenzene	ug/L					<1	<1	<1	<1
1,2-dichloroethane	ug/L					<1	<1	<1	<1
1,2-dichloropropane	ug/L					<1	<1	<1	<1
1,4-dichlorobenzene	ug/L					<1	<1	<1	<1
2-butanone (mek)	ug/L					<5	<5	<5	<5
2-hexanone (mbk)	ug/L					<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L					<5	<5	<5	<5
Acetone	ug/L					<10	<10	<10	<10
Acrylonitrile	ug/L					<5	<5	<5	<5
Antimony, total	ug/L					<2	<2	<2	<2
Arsenic, total	ug/L					<4.0	<4.0	<4.0	<4.0
Barium, total	ug/L					109.0	163.0	138.0	114.0
Benzene	ug/L					<1	<1	<1	<1
Beryllium, total	ug/L					<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L					<1	<1	<1	<1
Bromodichloromethane	ug/L					<1	<1	<1	<1
Bromoform	ug/L					<1	<1	<1	<1
Bromomethane	ug/L					<1	<1	<1	<1
Cadmium, total	ug/L					<.8	<.8	<.8	<.8
Carbon disulfide	ug/L					<1	<1	<1	<1
Carbon tetrachloride	ug/L					<1	<1	<1	<1
Chemical oxygen demand	mg/L	13 *	19 *	<10 *	<10				
Chloride	mg/L	37 *	47 *	26 *	43				
Chlorobenzene	ug/L					<1	<1	<1	<1
Chloroethane	ug/L					<1	<1	<1	<1
Chloroform	ug/L					<1	<1	<1	<1
Chloromethane	ug/L					<1	<1	<1	<1
Chromium, total	ug/L					<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L					<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L					<1	<1	<1	<1
Cobalt, total	ug/L					<.8	<.8	<.8	1.1
Copper, total	ug/L					<4	<4	<4	<4
Dibromochloromethane	ug/L					<1	<1	<1	<1
Dibromomethane	ug/L					<1	<1	<1	<1
Ethylbenzene	ug/L					<1	<1	<1	<1
Iron, dissolved	ug/L	<100	473 *	<100	550				
Lead, total	ug/L					<4.0	<4.0	<4.0	<4.0
Methyl iodide	ug/L					<1	<1	<1	<1
Methylene chloride	ug/L					<5	<5	<5	<5
Nickel, total	ug/L					<4.0	<4.0	<4.0	5.7
Nitrogen, ammonia	mg/L	<1 *	<1 *	<1 *	<1				
pH	S.U.	7.8	7.5	8.4					
Phenols, total	mg/L	<.1		<.1					
Selenium, total	ug/L					<4	<4	<4	<4
Silver, total	ug/L					<4	<8	<4	<4
Specific conductance	umhos/cm	575	674	606					
Styrene	ug/L					<1	<1	<1	<1
Tetrachloroethylene	ug/L					<1	<1	<1	<1
Thallium, total	ug/L					<4.0	<4.0	<2.0	<2.0
Toluene	ug/L					<1	<1	<1	<1
Total organic halogens (tox)	mg/L	<.01		.02					
Trans-1,2-dichloroethylene	ug/L					<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L					<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L					<5	<5	<5	<5
Trichloroethylene	ug/L					<1	<1	<1	<1
Trichlorofluoromethane	ug/L					<1	<1	<1	<1
Vanadium, total	ug/L					<20.0	<20.0	<20.0	<20.0
Vinyl acetate	ug/L					<5	<5	<5	<5
Vinyl chloride	ug/L					<1	<1	<1	<1
Xylenes, total	ug/L					<2	<2	<2	<2
Zinc, total	ug/L					<8.0	8.5	<20.0	<8.0

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

Table 9

Analytical Data Summary for SW-103

Constituents	3/26/2020	9/15/2020	3/2/2021	9/7/2021	3/24/2022	3/2/2023	3/28/2023	3/4/2024	9/23/2024	3/12/2025
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-dichloroethylene	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5		<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1		<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1		<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<10		<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5		<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5		<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10		<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5		<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2		<2	<2	<2
Arsenic, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0
Barium, total	163.0	116.0	105.0	143.0	116.0	92.9		118.0	141.0	150.0
Benzene	<1	<1	<1	<1	<1		<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0
Bromochloromethane	<1	<1	<1	<1	<1		<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1		<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1		<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1		<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8		<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1		<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1		<1	<1	<1	<1
Chemical oxygen demand										
Chloride										
Chlorobenzene	<1	<1	<1	<1	<1		<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1		<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1		<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1		<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0		<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1		<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1		<1	<1	<1	<1
Cobalt, total	<.8	.6	2.6	.6	.6	.8		.7	.6	.6
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
Iron, dissolved										
Lead, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0
Methyl iodide	<1	<1	<1	<1	<1		<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5		<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	5.1	<4.0	<4.0		<4.0	4.5	<4.0
Nitrogen, ammonia										
pH										
Phenols, total										
Selenium, total	<4	<4	<4	<4	<4	<4		<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4		<4	<4	<4
Specific conductance										
Styrene	<1	<1	<1	<1	<1		<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1		<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0		<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1		<1	<1	<1	<1
Total organic halogens (tox)										
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1		<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1		<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5		<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1		<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1		<1	<1	<1	<1
Vanadium, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0		<20.0	<20.0	<20.0
Vinyl acetate	<5	<5	<5	<5	<5		<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1		<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2		<2	<2	<2	<2
Zinc, total	<20.0	<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 SW-103

Constituents	9/3/2025
1,1,1,2-tetrachloroethane	<1
1,1,1-trichloroethane	<1
1,1,2,2-tetrachloroethane	<1
1,1,2-trichloroethane	<1
1,1-dichloroethane	<1
1,1-dichloroethylene	<1
1,2,3-trichloropropane	<1
1,2-dibromo-3-chloropropane	<5
1,2-dibromoethane	<1
1,2-dichlorobenzene	<1
1,2-dichloroethane	<1
1,2-dichloropropane	<1
1,4-dichlorobenzene	<1
2-butanone (mek)	<10
2-hexanone (mbk)	<5
4-methyl-2-pentanone (mibk)	<5
Acetone	<10
Acrylonitrile	<5
Antimony, total	<1
Arsenic, total	2.2
Barium, total	176.0
Benzene	<1
Beryllium, total	<.5
Bromochloromethane	<1
Bromodichloromethane	<1
Bromoform	<1
Bromomethane	<1
Cadmium, total	<.2
Carbon disulfide	<1
Carbon tetrachloride	<1
Chemical oxygen demand	
Chloride	
Chlorobenzene	<1
Chloroethane	<1
Chloroform	<1
Chloromethane	<1
Chromium, total	1.9
Cis-1,2-dichloroethylene	<1
Cis-1,3-dichloropropene	<1
Cobalt, total	1.3
Copper, total	<5
Dibromochloromethane	<1
Dibromomethane	<1
Ethylbenzene	<1
Iron, dissolved	
Lead, total	2.2
Methyl iodide	<1
Methylene chloride	<5
Nickel, total	<5.0
Nitrogen, ammonia	
pH	
Phenols, total	
Selenium, total	<2
Silver, total	<5
Specific conductance	
Styrene	<1
Tetrachloroethylene	<1
Thallium, total	<.5
Toluene	<1
Total organic halogens (tox)	
Trans-1,2-dichloroethylene	<1
Trans-1,3-dichloropropene	<1
Trans-1,4-dichloro-2-butene	<5
Trichloroethylene	<1
Trichlorofluoromethane	<1
Vanadium, total	3.3
Vinyl acetate	<5
Vinyl chloride	<1
Xylenes, total	<2
Zinc, total	19.9

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

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

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

Table 12A – Leachate Levels (RCRA Area B, C, D)

Table 12A
LEACHATE ELEVATIONS
Annual Water Quality Report
Newton Sanitary Landfill
Permit No. 50-SDP-01-75P

Area B, C, and D

	LPZ-101	LPZ-102	LPZ-103	LPZ-104	LPZ-105	GPZ-301	GPZ-302
TOP PVC, FT.	867.00						
DEPTH TO BTM	10.2	8.9	11.8	5.7	7.15	12.3	9
	13.4						
DATE							
03/08/2012	DRY						
04/23/2012	DRY						
05/21/2012	DRY						
06/21/2012	DRY						
07/25/2012	DRY						
08/27/2012	DRY						
09/24/2012	DRY						
10/30/2012	DRY						
12/05/2012	DRY						
01/15/2013	DRY						
02/15/2013	DRY						
03/15/2013	DRY						
04/15/2013	DRY						
05/15/2013	DRY						
06/21/2013	DRY						
07/10/2013	DRY						
08/20/2013	DRY						
09/24/2013	DRY	0.05	3.00	DRY	1.55	DRY	0.00
10/09/2013	DRY	0.10	3.00	1.00	2.85	NR	NR
11/13/2013	DRY	DRY	0.45	1.35	3.15	NR	NR
12/19/2013	DRY	DRY	0.50	1.80	3.55	DRY	0.00
01/14/2014	DRY	DRY	0.45	1.70	3.35	NR	NR
02/19/2014	DRY	DRY	0.45	1.65	3.33	NR	NR
03/24/2014	DRY	DRY	0.40	1.70	3.45	DRY	0.00
04/11/2014	DRY	DRY	0.45	0.20	0.35	NR	NR
05/19/2014	DRY	DRY	0.40	1.43	3.15	NR	NR
06/09/2014	DRY	DRY	0.50	1.40	3.15	DRY	0.00
07/25/2014	DRY	DRY	0.40	DRY	0.20	NR	NR
08/18/2014	DRY	DRY	1.37	DRY	0.15	NR	NR
09/25/2014	DRY	NR	0.45	DRY	0.15	DRY	0.00
10/28/2014	DRY	DRY	0.35	DRY	0.15	NR	NR
11/20/2014	DRY	DRY	0.20	DRY	0.05	NR	NR
12/05/2014	DRY	DRY	0.45	DRY	0.20	DRY	0.00
01/16/2015	DRY	DRY	0.45	DRY	DRY	NR	NR
02/11/2015	DRY	DRY	0.40	DRY	1.25	NR	NR
03/11/2015	DRY	DRY	0.10	DRY	0.20	DRY	DRY
04/13/2015	DRY	DRY	0.25	DRY	0.15	NR	NR
05/05/2015	DRY	DRY	0.40	DRY	0.15	NR	NR
06/16/2015	DRY	DRY	0.40	DRY	0.15	DRY	DRY
07/07/2015	DRY	DRY	0.45	DRY	DRY	NR	NR
08/11/2015	DRY	DRY	0.40	DRY	DRY	NR	NR
09/17/2015	DRY	DRY	0.45	DRY	DRY	0.05	DRY
10/06/2015	DRY	DRY	0.39	DRY	DRY	NR	NR
11/18/2015	DRY	DRY	DRY	0.09	0.15	NR	NR
12/17/2015	DRY	DRY	0.45	0.10	0.20	DRY	DRY
01/06/2016	DRY	DRY	0.45	DRY	DRY	NR	NR
02/19/2016	DRY	DRY	0.45	DRY	DRY	NR	NR
03/22/2016	DRY	DRY	0.44	0.05	0.15	DRY	DRY
04/26/2016	DRY	DRY	0.40	DRY	DRY	NR	NR
05/24/2016	DRY	DRY	0.40	DRY	DRY	NR	NR
06/23/2016	DRY	DRY	0.45	DRY	0.05	DRY	DRY
07/29/2016	DRY	DRY	0.45	DRY	1.02	NR	NR
08/24/2016	DRY	DRY	0.45	DRY	DRY	NR	NR
09/14/2016	DRY	DRY	0.40	0.03	0.20	DRY	DRY
10/14/2016	DRY	DRY	0.40	DRY	DRY	NR	NR
11/16/2016	DRY	DRY	0.50	DRY	DRY	NR	NR
12/15/2016	DRY	DRY	0.50	DRY	0.25	DRY	DRY
01/11/2017	DRY	DRY	0.45	DRY	DRY	NR	NR
02/14/2017	DRY	DRY	0.25	DRY	DRY	NR	NR
03/23/2017	DRY	DRY	0.35	DRY	0.10	DRY	DRY
04/20/2017	DRY	DRY	0.34	DRY	DRY	NR	NR

**Table 12A
LEACHATE ELEVATIONS
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Area B, C, and D

	LPZ-101	LPZ-102	LPZ-103	LPZ-104	LPZ-105	GPZ-301	GPZ-302
TOP PVC, FT.	867.00						
DEPTH TO BTM	10.2	8.9	11.8	5.7	7.15	12.3	9
	13.4						
DATE							
05/22/2017	DRY	DRY	0.50	DRY	DRY	NR	NR
06/09/2017	DRY	DRY	0.45	DRY	0.10	DRY	DRY
07/19/2017	DRY	DRY	0.45	DRY	DRY	NR	NR
08/23/2017	DRY	DRY	0.20	DRY	DRY	NR	NR
09/08/2017	DRY	DRY	0.46	0.05	DRY	DRY	DRY
10/13/2017	DRY	DRY	0.40	DRY	DRY	NR	NR
11/15/2017	DRY	DRY	0.45	DRY	DRY	NR	NR
12/05/2017	DRY	DRY	0.45	DRY	0.10	DRY	DRY
1/9/2018	DRY	DRY	0.45	DRY	DRY	NR	NR
2/21/2018	DRY	DRY	0.45	DRY	DRY	NR	NR
3/19/2018	DRY	DRY	0.45	DRY	0.35	DRY	DRY
4/30/2018	DRY	DRY	0.55	DRY	DRY	NR	NR
5/30/2018	DRY	DRY	0.45	DRY	DRY	NR	NR
6/5/2018	DRY	DRY	0.48	DRY	0.40	DRY	DRY
7/27/2018	DRY	DRY	0.50	DRY	0.40	NR	NR
8/30/2018	DRY	DRY	0.50	DRY	0.35	NR	NR
9/11/2018	DRY	DRY	0.50	0.80	2.15	DRY	DRY
10/30/2018	DRY	DRY	0.45	1.75	3.15	NR	NR
11/29/2018	DRY	DRY	0.40	2.70	3.95	NR	NR
12/5/2018	DRY	DRY	0.20	2.70	4.50	DRY	DRY
1/28/2019	DRY	DRY	0.30	DRY	DRY	NR	NR
2/28/2019	DRY	DRY	0.35	DRY	DRY	NR	NR
3/26/2019	DRY	DRY	0.45	0.05	0.10	DRY	DRY
4/26/2019	0.10	DRY	0.37	DRY	DRY	NR	NR
5/15/2019	DRY	DRY	0.40	DRY	DRY	NR	NR
6/6/2019	DRY	DRY	0.48	DRY	0.15	0.2	DRY
7/24/2019	DRY	DRY	0.40	DRY	DRY	NR	NR
8/28/2019	DRY	DRY	0.40	DRY	DRY	NR	NR
9/4/2019	DRY	DRY	0.42	0.05	0.10	DRY	DRY
10/28/2019	DRY	DRY	0.40	DRY	DRY	NR	NR
11/25/2019	DRY	DRY	0.30	DRY	DRY	NR	NR
12/4/2019	DRY	DRY	0.45	0.03	0.12	DRY	DRY
1/30/2020	DRY	DRY	0.40	DRY	DRY	NR	NR
2/21/2020	DRY	DRY	0.40	DRY	DRY	NR	NR
3/2/2020	DRY	DRY	0.45	DRY	DRY	DRY	0.2
April 2020	NR	NR	NR	NR	NR	NR	NR
5/21/2020	DRY	DRY	0.35	DRY	DRY	NR	NR
6/18/2020	DRY	DRY	0.47	0.02	0.10	DRY	0.3
7/14/2020	DRY	DRY	0.35	DRY	DRY	NR	NR
8/29/2020	DRY	DRY	0.50	DRY	DRY	NR	NR
9/15/2020	DRY	DRY	0.45	0.02	0.15	DRY	DRY
10/30/2020	DRY	DRY	*	DRY	*	NR	NR
11/10/2020	DRY	DRY	*	DRY	*	NR	NR
12/3/2020	DRY	DRY	*	0.05	*	DRY	DRY
1/8/2021	DRY	DRY	*	DRY	*	NR	NR
2/23/2021	DRY	DRY	*	DRY	*	NR	NR
3/2/2021	DRY	DRY	0.45	DRY	0.10	DRY	0.4
4/27/2021	DRY	DRY	*	DRY	*	NR	NR
5/25/2021	DRY	DRY	*	DRY	*	NR	NR
6/2/2021	DRY	DRY	0.50	DRY	0.15	DRY	0.4
7/7/2021	DRY	DRY	*	DRY	*	NR	NR
8/10/2021	DRY	DRY	*	DRY	*	NR	NR
9/7/2021	DRY	DRY	0.47	0.01	0.12	DRY	DRY
10/19/2021	DRY	DRY	*	DRY	*	NR	NR
11/8/2021	DRY	DRY	*	DRY	*	NR	NR
12/3/2021	DRY	DRY	0.57	0.02	0.13	DRY	DRY
1/4/2022	DRY	DRY	*	DRY	*	*	*
2/11/2022	DRY	DRY	*	DRY	*	*	*
3/24/2022	DRY	DRY	0.55	DRY	0.10	DRY	DRY
4/28/2022	DRY	DRY	*	DRY	*	*	*
5/14/2022	DRY	DRY	*	DRY	*	*	*

Table 12A
LEACHATE ELEVATIONS
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Area B, C, and D

	LPZ-101	LPZ-102	LPZ-103	LPZ-104	LPZ-105	GPZ-301	GPZ-302
TOP PVC, FT.	867.00						
DEPTH TO BTM	10.2	8.9	11.8	5.7	7.15	12.3	9
	13.4						
DATE							
6/13/2022	DRY	DRY	0.55	0.01	0.10	DRY	DRY
7/13/2022	DRY	DRY	*	DRY	*	*	*
8/11/2022	DRY	DRY	*	DRY	*	*	*
9/1/2022	DRY	DRY	0.56	DRY	0.15	DRY	DRY
10/10/2022	DRY	DRY	*	DRY	*	*	*
11/8/2022	DRY	DRY	*	DRY	*	*	*
12/2/2022	DRY	DRY	0.55	DRY	0.10	DRY	DRY
1/9/2023	DRY	DRY	*	DRY	*	*	*
2/24/2023	DRY	DRY	*	DRY	*	*	*
3/23/2023	DRY	DRY	0.30	DRY	DRY	DRY	DRY
4/27/2023	DRY	DRY	*	DRY	*	*	*
5/18/2023	DRY	DRY	*	DRY	*	*	*
6/8/2023	DRY	DRY	0.50	0.04	0.10	0.2	DRY
7/18/2023	DRY	DRY	*	DRY	*	*	*
8/3/2023	DRY	DRY	*	DRY	*	*	*
9/1/2022	DRY	DRY	0.55	0.04	0.11	DRY	DRY
10/24/2023	DRY	DRY	*	DRY	*	*	*
11/28/2023	DRY	DRY	*	DRY	*	*	*
12/21/2023	DRY	DRY	0.53	0.02	0.10	DRY	DRY
1/8/2024	DRY	DRY	*	DRY	*	*	*
2/14/2024	DRY	DRY	*	DRY	*	*	*
3/4/2024	DRY	DRY	0.53	0.02	0.10	DRY	DRY
4/15/2024	DRY	DRY	*	DRY	*	*	*
5/29/2024	DRY	DRY	*	DRY	*	*	*
6/3/2024	DRY	DRY	0.52	DRY	0.15	DRY	0.2
7/31/2024	DRY	DRY	*	DRY	*	*	*
8/20/2024	DRY	DRY	*	DRY	*	*	*
9/23/2024	DRY	DRY	0.52	0.05	0.10	DRY	DRY
10/22/2024	DRY	DRY	*	DRY	*	*	*
11/25/2024	DRY	DRY	*	DRY	*	*	*
12/11/2024	DRY	DRY	0.50	0.03	DRY	DRY	DRY
1/30/2025	DRY	DRY	*	DRY	*	*	*
2/24/2025	DRY	DRY	*	0.10	*	*	*
3/12/2025	DRY	DRY	0.50	0.10	0.10	DRY	DRY
4/23/2025	DRY	DRY	*	0.10	*	*	*
5/23/2025	DRY	DRY	*	DRY	*	*	*
6/2/2025	DRY	DRY	0.55	0.09	0.09	0.2	DRY
7/23/2025	DRY	DRY	*	DRY	*	*	*
8/25/2025	DRY	DRY	*	DRY	*	*	*
9/3/2025	DRY	DRY	0.53	0.08	0.10	0.1	DRY
10/27/2025	DRY	DRY	*	DRY	*	*	*
11/26/2025	DRY	DRY	*	DRY	*	*	*
12/2/2025	DRY	DRY	0.52	DRY	0.20	DRY	DRY

Table 12B – Leachate Levels (Area A)

Table 12B
LEACHATE ELEVATIONS
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Area A								
	LW-201	LW-202	LW-203	LW-204	LW-205	LW-206	LW-207	LW-208
TOP PVC, FT.	876.70	907.11	873.86	916.80	858.19	874.10	883.58	893.94
(Revised)			883.86					
DATE								
06/29/1992								
12/14/1992								
01/28/1993								
03/05/1993								
09/14/1993								
03/14/1994								
09/06/1994	851.50	879.11	866.06	882.00	840.79	863.80	858.78	865.94
03/14/1995	851.70	879.41	865.26	881.65	839.29	862.50	855.58	866.99
09/25/1995	851.80	879.61	867.26	881.78	841.69	863.70	855.58	867.76
03/19/1996	851.80	879.61	865.46	881.80 dry		862.30	855.78	867.24
09/05/1996	851.90	880.01	865.76	884.00	842.79	863.20	856.88	867.64
01/20/1997	851.87	879.78	866.41	882.36	841.08	862.52	855.71	868.28
03/12/1997	852.00	880.11	866.36	884.70	840.19	862.00	856.18	867.24
04/24/1997	851.89	880.11	866.33	884.63	840.09	861.98	856.28	868.29
05/24/1997	851.87	880.06	866.37	884.51	840.05	861.98	856.41	869.36
06/27/1997	851.88	880.60	866.56	884.47	840.23	862.23	856.28	868.33
07/30/1997	851.88	880.93	861.71	884.37	841.68	862.62	856.07	868.20
09/10/1997	851.80	880.11	861.76	883.50	841.79	863.30	856.18	867.94
01/15/1998	851.87	879.95	861.72	884.78	839.54	862.52	856.66	870.58
03/25/1998	852.10	880.61	861.56	885.80	839.69	862.50	858.88	873.44
07/21/1998	851.95	881.29	862.02	885.17	843.23	863.09	859.03	871.01
08/31/1998	852.06	881.19	861.05	885.19	842.07	863.98	858.24	870.09
09/08/1998	852.10	881.21	861.06	885.20	842.09	864.00	858.28	870.04
01/30/1999	851.89	879.98	862.27	884.77	839.45	862.77	856.72	869.47
03/10/1999	851.80	880.11	862.06	884.80	839.19	862.60	857.98	870.84
05/30/1999	851.90	880.07	862.28	885.21	841.83	863.71	858.43	871.38
06/26/1999	851.88	880.29	862.47	885.46	842.64	863.78	857.20	870.91
07/30/1999	851.96	880.69	863.77	885.20	842.16	864.01	858.03	870.45
08/30/1999	851.98	880.32	864.33	885.41	842.76	864.37	857.81	870.42
09/05/1999	850.00	880.31	864.46	885.20	842.69	864.30	857.88	871.34
03/27/2000	852.00	880.11	863.86	885.10	839.19	862.80	857.78	869.74
09/14/2000	851.90	880.27	864.04	884.90	841.48	864.60	857.78	870.14
03/19/1901	852.20	880.51	862.96	885.70	838.99	862.90	857.58	870.84
08/31/1901	852.00	878.91	856.96	884.80	843.09	863.90	858.08	870.74
03/19/2002	851.70	880.11	855.06	884.40	839.39	862.80	858.18	870.54
09/06/2002	851.70	879.61	862.96	884.00	843.69	863.40	858.48	871.04
03/27/2003	851.70	880.11	862.26	883.80	839.49	862.10	858.08	870.94
09/20/2003	852.00	878.13	863.38	884.52	842.21	862.98	858.62	871.56
03/24/2004	852.50	880.11	863.16	885.60	842.19	862.80	860.48	873.54
09/11/2004	851.70	880.91	863.46	884.40	844.39	864.80	860.38	873.34
03/02/2005	852.40	880.41	NT	885.20	842.39	862.80	860.18	873.14
09/09/2005	851.91	880.61	863.30	884.29	843.08	864.26	860.12	873.07
03/09/2006	852.20	880.59	862.87	884.82	840.28	863.04	860.17	872.34
06/29/2006	851.92	880.31	863.11	884.81	843.33	863.99	860.03	872.68
09/01/2006	851.92	880.66	863.40	885.50	844.09	864.33	860.39	873.34
12/26/2006	852.21	880.71	863.36	885.49	843.82	864.42	861.83	873.36
03/27/2007	852.31	879.77	863.62	885.51	844.25	864.85	861.20	872.92
06/20/2007	852.07	880.69	863.56	884.71	845.51	865.43	864.21	872.99
09/24/2007	851.92	880.73	863.40	883.29	844.69	866.19	863.12	874.21
12/21/2007	852.23	880.80	863.38	882.69	844.86	865.07	862.99	873.86
03/19/2008	852.66	881.04	863.80	884.80	844.72	865.31	862.99	873.55
06/09/2008	852.40	881.13	864.16	885.04	847.57	866.59	863.82	874.11
09/15/2008	851.70	880.81	863.56	883.70	844.99	866.10	864.18	873.64
12/22/2008	851.50	880.81	863.16	882.80	843.89	864.60	863.58	873.24
03/05/2009	852.10	880.41	862.86	883.80	843.79	864.30	863.18	873.44
06/24/2009	852.30	881.11	863.66	884.70	847.29	866.00	863.98	874.64
09/12/2009	852.00	880.91	863.66	883.40	845.89	865.90	864.78	874.64

Table 12B
LEACHATE ELEVATIONS
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Area A								
	LW-201	LW-202	LW-203	LW-204	LW-205	LW-206	LW-207	LW-208
TOP PVC, FT. (Revised)	876.70	907.11	873.86 883.86	916.80	858.19	874.10	883.58	893.94
DATE								
12/07/2009	852.10	880.81	863.46	882.50	844.59	866.10	864.28	874.54
03/30/2010	852.40	880.01	865.91	885.50	846.29	865.90	864.98	875.34
06/28/2010	852.40	879.96	865.71	885.80	848.09	866.10	864.88	875.89
09/27/2010	851.90	879.81	865.06	885.60	847.29	865.30	864.28	875.54
03/23/2011	855.30	880.01	862.51	885.80	843.39	864.00	862.28	872.14
09/08/2011	855.30	879.51	863.16	885.30	846.19	865.15	862.98	873.84
12/05/2011	852.00	879.46	862.56	885.60	843.99	864.20	861.98	873.34
02/15/2012	852.27	879.76	862.86	882.73	847.60	863.79	863.53	876.17
03/08/2012	851.50	880.61	862.66	885.45	843.49	863.80	862.68	873.04
04/23/2012	852.32	880.28	863.29	885.85	847.59	864.82	865.35	873.54
05/21/2012	852.38	881.17	863.55	886.16	847.80	865.10	865.08	878.80
06/21/2012	851.90	879.81	863.11	886.00	849.09	863.25	864.68	873.79
07/25/2012	852.11	880.18	863.23	885.85	847.68	864.83	864.06	874.16
08/27/2012	851.80	880.16	863.49	886.15	847.80	864.56	863.19	874.39
09/24/2012	851.70	880.91	862.56	886.00	844.99	864.40	862.98	873.44
10/30/2012	851.90	880.09	863.31	885.97	844.55	864.28	863.06	873.97
12/05/2012	851.70	880.81	862.46	885.50	844.19	864.30	862.68	873.54
01/15/2013	851.91	879.99	862.50	885.55	843.81	864.19	862.86	873.56
02/15/2013	851.91	880.04	863.19	886.12	845.51	864.79	863.21	873.72
03/15/2013	852.30	880.21	863.01	886.20	845.39	865.10	863.28	874.14
04/15/2013	852.50	880.11	863.46	#VALUE!	847.79	865.70	864.58	874.94
05/15/2013	852.55	880.21	863.61	886.52	848.43	865.95	865.36	875.59
06/21/2013	851.90	879.81	863.11	886.00	849.09	863.25	864.68	873.79
07/10/2013	852.40	881.91	863.61	890.05	848.19	866.20	865.78	874.94
08/20/2013	852.25	880.51	863.76	886.80	847.39	865.75	864.83	874.79
09/24/2013	852.20	879.91	863.06	886.45	846.79	865.15	864.63	874.84
10/09/2013	852.10	881.41	863.51	886.60	846.48	865.70	864.78	877.39
11/13/2013	852.05	880.46	862.76	886.15	847.19	864.70	864.18	874.54
12/19/2013	852.00	880.86	862.66	885.60	843.99	864.40	863.53	874.74
01/14/2014	851.10	879.71	862.46	885.00	845.49	864.20	863.48	874.54
02/19/2014	852.10	879.61	862.31	886.70	842.59	863.85	863.67	874.79
03/24/2014	851.90	880.91	862.06	886.40	841.89	863.40	863.28	873.64
04/11/2014	850.90	879.71	862.16	886.70	843.44	863.45	863.18	873.74
05/19/2014	852.00	879.81	862.66	886.60	846.29	863.87	863.33	875.99
06/09/2014	851.90	881.16	862.86	886.30	847.59	864.70	863.88	875.24
07/25/2014	852.00	880.66	863.36	885.30	848.34	865.85	867.27	876.72
08/18/2014	848.00	880.16	863.06	886.30	847.79	865.80	864.78	874.74
09/25/2014	851.70	881.11	863.21	885.95	848.69	866.40	864.88	875.04
10/28/2014	848.00	879.31	863.11	885.10	847.69	866.00	864.28	874.44
11/20/2014	851.50	879.81	863.16	885.15	847.24	866.00	864.45	874.94
12/05/2014	852.10	881.01	862.96	884.80	840.04	865.75	864.38	874.54
01/16/2015	852.05	879.81	862.86	884.40	846.29	865.10	864.08	874.64
02/11/2015	852.55	880.41	863.86	885.90	847.29	864.90	864.58	874.44
03/11/2015	852.30	880.71	862.66	885.20	845.59	863.50	863.53	874.24
04/13/2015	851.80	879.81	862.91	885.30	847.19	864.90	863.58	874.14
05/05/2015	852.68	880.01	863.16	885.50	847.89	865.10	863.78	874.74
06/16/2015	852.50	881.11	863.11	885.20	847.79	865.15	863.68	874.39
07/07/2015	853.00	881.11	864.01	886.70	847.19	865.50	864.58	883.74
08/11/2015	852.60	881.96	863.91	887.80	848.54	865.70	863.98	881.04
09/17/2015	851.90	881.11	863.26	886.40	847.84	865.82	864.38	875.44
10/06/2015	852.38	882.11	863.76	887.25	847.89	865.50	864.56	875.44
11/18/2015	852.20	881.81	863.76	887.90	846.99	865.10	865.08	875.74
12/17/2015	852.70	881.01	863.26	886.75	845.99	865.50	864.73	875.14
01/06/2016	852.80	881.29	863.51	887.60	847.54	865.39	865.01	875.44
02/19/2016	852.50	881.71	867.16	888.30	847.24	865.50	864.98	875.64
03/22/2016	852.50	880.34	866.30	887.88	848.22	865.72	864.16	881.13
04/26/2016	852.60	880.81	866.26	888.60	848.39	865.60	864.78	876.34
05/24/2016	852.90	880.61	865.76	889.80	848.69	865.70	864.10	883.94

Table 12B
LEACHATE ELEVATIONS
Annual Water Quality Report
Newton Sanitary Landfill
Permit No. 50-SDP-01-75P

Area A								
	LW-201	LW-202	LW-203	LW-204	LW-205	LW-206	LW-207	LW-208
TOP PVC, FT.	876.70	907.11	873.86	916.80	858.19	874.10	883.58	893.94
(Revised)			883.86					
DATE								
06/23/2016	852.45	880.98	864.31	887.55	848.29	865.40	863.93	874.84
07/29/2016	852.45	880.11	863.96	887.79	848.39	865.00	864.18	883.44
08/24/2016	852.40	880.11	863.86	888.00	848.39	865.25	863.73	875.44
09/14/2016	852.19	880.91	863.39	887.43	847.79	865.15	863.28	874.88
10/14/2016	852.15	881.51	863.47	889.00	847.34	865.10	863.73	875.44
11/16/2016	852.15	880.81	863.56	889.05	847.23	864.85	864.78	875.44
12/15/2016	853.40	880.61	862.86	887.05	844.59	864.70	862.98	875.89
01/11/2017	852.20	880.06	863.61	887.10	847.59	864.30	863.93	875.91
02/14/2017	852.38	880.11	862.86	887.45	847.62	864.07	863.13	881.04
03/23/2017	852.35	881.11	862.66	886.70	845.82	863.63	863.50	874.54
04/20/2017	852.60	880.91	863.16	886.65	848.19	864.10	863.58	883.44
05/22/2017	852.60	879.91	863.21	886.70	848.29	864.75	863.48	876.24
06/09/2017	852.38	881.01	863.04	886.20	848.44	864.95	863.63	875.34
07/19/2017	852.50	880.71	863.21	886.20	848.19	865.00	864.88	883.24
08/23/2017	852.20	880.11	862.61	886.20	847.89	864.75	863.58	881.93
09/08/2017	852.17	879.91	862.76	885.97	847.23	864.66	863.52	874.59
10/13/2017	852.10	880.13	862.66	886.00	847.29	864.60	863.78	874.99
11/15/2017	852.40	879.81	862.36	885.50	845.79	864.15	863.43	875.34
12/05/2017	852.20	880.71	862.61	885.85	845.12	864.35	863.33	874.91
01/09/2018	852.35	879.81	862.46	886.00	845.89	864.00	863.48	874.74
02/21/2018	852.40	879.41	862.11	884.45	845.61	863.42	863.08	873.94
03/19/2018	852.36	881.26	862.41	886.03	845.16	863.60	863.51	875.29
04/30/2018	852.50	880.21	862.26	885.20	845.69	863.60	863.88	874.74
05/30/2018	852.90	880.01	862.96	886.60	848.94	864.90	863.83	874.94
06/05/2018	852.50	881.06	862.46	886.20	848.83	865.05	863.73	875.68
07/27/2018	852.40	880.91	863.36	887.20	849.04	865.60	864.63	874.74
8/30./2018	852.30	880.86	863.26	886.50	848.49	865.55	864.38	875.54
09/11/2018	852.20	881.01	863.15	886.36	848.78	865.70	865.23	877.92
10/30/2018	852.30	881.51	860.86	886.90	848.44	865.95	864.68	875.64
11/29/2018	852.10	879.96	860.16	885.07	848.44	865.70	864.21	875.84
12/05/2018	852.28	880.94	863.21	886.30	847.18	865.65	864.36	876.63
1/28/2019	852.20	879.91	860.06	885.10	848.44	865.80	864.43	875.74
2/28/2019	852.25	880.31	860.16	886.00	848.49	865.95	864.58	875.44
3/26/2019	852.65	880.89	862.97	887.07	847.88	864.73	863.88	880.89
4/26/2019	852.32	880.41	859.96	886.40	848.69	866.00	863.48	875.96
5/15/2019	852.80	881.46	861.26	887.60	848.84	864.90	863.83	875.54
6/6/2019	853.10	881.01	863.45	887.55	849.02	865.50	864.67	880.39
7/24/2019	853.00	881.61	863.96	888.10	848.29	865.45	864.58	875.34
8/28/2019	852.55	881.46	863.66	887.90	848.09	865.30	864.18	875.14
9/4/2019	852.40	880.91	863.30	887.49	847.70	865.21	864.34	876.10
10/28/2019	852.50	882.71	863.96	887.50	847.94	865.45	864.68	877.04
11/25/2019	851.50	879.29	862.26	886.90	847.37	865.60	864.63	884.44
12/4/2019	853.10	881.01	863.45	887.55	849.02	865.50	864.67	880.39
1/30/2020	851.50	879.21	862.21	887.80	847.69	865.40	864.68	877.44
2/21/2020	852.70	880.11	863.56	888.00	845.99	864.50	863.83	877.54
3/2/2020	852.69	881.21	864.49	887.75	847.19	864.79	864.11	883.48
April, 2020	NR	NR	NR	NR	NR	NR	NR	NR
5/21/2020	853.00	879.91	863.56	887.80	848.24	865.30	866.73	877.24
6/18/2020	852.72	881.36	863.64	887.57	848.82	865.40	863.98	883.87
7/14/2020	852.80	880.81	864.16	887.70	848.22	865.40	864.33	877.74
8/29/2020	852.50	894.51	863.56	889.60	848.39	865.45	864.93	884.24
9/15/2020	852.41	880.20	863.42	887.56	847.99	865.19	863.87	883.87
12/3/2020	852.29	880.16	863.11	887.39	845.85	864.80	863.83	882.54
3/2/2021	852.84	880.38	864.93	888.00	847.21	865.15	864.01	869.69
6/2/2021	852.67	881.39	864.06	887.85	848.47	864.94	863.98	869.84
9/7/2021	852.32	881.26	862.96	887.70	848.42	865.06	864.11	877.46
12/3/2021	852.40	881.11	863.21	887.64	847.51	865.18	863.78	882.73
3/24/2022	852.38	881.36	862.96	887.55	847.19	864.30	863.86	877.07

Table 12B
LEACHATE ELEVATIONS
Annual Water Quality Report
Newton Sanitary Landfill
Permit No. 50-SDP-01-75P

Area A

	LW-201	LW-202	LW-203	LW-204	LW-205	LW-206	LW-207	LW-208
TOP PVC, FT.	876.70	907.11	873.86	916.80	858.19	874.10	883.58	893.94
(Revised)			883.86					
DATE								
6/13/2022	852.51	880.21	863.46	887.22	843.95	864.69	863.94	878.43
9/1/2022	852.13	884.41	862.98	886.88	847.74	864.48	863.57	882.09
12/2/2022	852.15	880.95	862.32	886.67	845.00	864.04	863.98	875.83
3/2/2023	851.80	875.86	862.04	882.50	841.04	857.10	863.08	874.99
6/8/2023	851.80	881.07	862.94	886.52	847.58	863.80	863.49	877.60
9/12/2023	852.30	880.15	863.09	886.05	848.15	864.41	863.23	876.38
12/21/2023	852.21	880.95	862.56	886.65	846.51	864.00	863.32	875.19
3/4/2024	852.23	880.78	862.51	886.70	843.66	863.42	863.38	875.19
6/3/2024	851.85	880.51	863.27	887.08	848.47	863.50	863.48	878.09
9/23/2024	852.13	881.08	863.36	885.99	848.39	864.77	864.06	884.04
12/11/2024	851.95	879.83	863.11	886.25	847.29	864.42	863.69	877.13
3/12/2025	852.70	879.96	862.78	885.75	847.07	864.42	863.73	883.44
6/2/2025	852.69	880.11	863.18	885.67	848.25	864.32	863.44	883.99
9/3/2025	852.29	880.32	863.56	886.70	848.73	865.24	863.73	883.39
12/2/2025	852.28	881.03	863.03	886.75	847.54	864.62	863.58	876.47

Table 13 – Gas Monitoring Summary

Table 13
EXPLOSIVE GAS MONITORING RESULTS
Annual Water Quality Report
Newton Sanitary Landfill
Permit No. 50-SDP-01-75P

Areas A, B, C & D

	3/12/2025	6/2/2025	9/3/2025	12/2/2025
Reference* Location	Combustible % LEL	Combustible % LEL	Combustible % LEL	Combustible % LEL
Breathing Zone				
G1 - Scale House	0	0	0	0
G2 - Under Scale	0	0	0	0
G3 - Outside Scale House	0	0	0	0
G4 - Southeast Shed	0	0	0	0
G5 - MW-47	0	0	0	0
G6 - MW-45R	0	0	0	0
G7 - MW-44	0	0	0	0
G8 - MW-42	0	0	0	0
G9 - MW-41	0	0	0	0
G10 - MW-60	0	0	0	0
G11 - Near Lagoon	0	0	0	0
G12 - MW-39	0	0	0	0
G13 - MW-62	0	0	0	0
G14 - MW-48	0	0	0	0
Subsurface Soil Gas				
GP-1	0	0	0	0
GP-2	67.2	50.0	18.6	79.5
GP-3	0	0	0	0
GP-4	0	0	0	0
GP-5	0	0	0	0
GP-6	76.8	46.2	0	0
GP-7	0	0	0	0
GP-8	0	0	0	0
GP-9	0	0	0	0
GP-10	0	36.5	64.3	50

 Near 1945 Landfill

Appendix A

Field Sampling Forms

**NEWTON SANITARY LANDFILL
PERMIT # 50-SDP-1-75P**

OPERATING LANDFILL

3/12/2025

Sampled by: T. Whipple

Weather conditions: Sunny, calm, 40-62 degrees

IDNR Form 542-1322

Monitoring Well: MW-41 (dg) **Primary Sampling Method:** No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	901.73
Well Depth	45.07
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	901.73
Well Depth	42.10
Top Screen	866.66
Bottom Screen	856.66
Bottom Well	856.66
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	36.00
Top sample	865.73
Bottom sample	861.73
Turbidity(NTU)	2.02

Date	Time	Water Level	Water Elevation	Notes
3/12/2025	9:03	32.62	869.11	

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	2.02
Appendix I	Metals	150	150	2.02
Appendix I	VOC	240	240	2.02
Full Appendix II	10 more containers	5620	5620	
TSS	TSS	1000	0	
Supplemental	Quart Amber	945	0	
Supplemental			0	
Total		400	5620	

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

TOC	901.73	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	45.07	Before purging	3/12/2025	9:03	32.62	869.11	2	1.0	
		After purging		9:25	38.20	863.53			
		Top of Screen 5/1/1990				866.66			
						-3.13			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				856.66			
		Bottom of Well	3/12/2025		42.10	859.63			
						2.97			feet sedimentation
		Before Sampling				901.73			
		Recovery				901.73			
		Recovery				901.73			
		Recovery				901.73			
		Recovery				901.73			

IDNR Form 542-1322

Monitoring Well: MW-42 (dg)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	838.4
Well Depth	27.86
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	838.4
Well Depth	27.00
Top Screen	820.54
Bottom Screen	810.54
Bottom Well	810.54
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	816.40
Bottom sample	812.40
Turbidity(NTU)	2.37

Date	Time	Water Level	Water Elevation	Notes
3/12/2025	9:42	7.21	831.19	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte	Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10	2.37
Appendix I	Metals	150	150	2.37
Appendix I	VOC	240	240	2.37
Full Appendix II	10 more containers	5620		
TSS	TSS	1000	0	
Supplemental	2,4,5-T	946		
Supplemental				
Total		400	0	

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

TOC	838.4	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	27.86	Before purging	3/12/2025	9:42	7.21	831.19		0.0	No
		After purging				838.40			
		Top of Screen 5/1/1990				820.54			
						17.86			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				810.54			
		Bottom of Well	3/12/2025		27.00	811.40			
						0.86			feet sedimentation
		Before Sampling				838.40			
		Recovery				838.40			
		Recovery				838.40			
		Recovery				838.40			
		Recovery				838.40			

IDNR Form 542-1322

Monitoring Well: MW-48 (up)

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

GENERAL INFORMATION

TOC	875.2
Well Depth	26.73
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	875.2
Well Depth	25.90
Top Screen	858.47
Bottom Screen	848.57
Bottom Well	848.57
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	20.00
Top sample	855.20
Bottom sample	851.20
Turbidity(NTU)	1.97

Date	Time	Water Level	Water Elevation	Notes
3/12/2025	14:45	6.15	869.05	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte	Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10	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				
Supplemental				
Total		400	0	

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

TOC	875.2	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	26.73	Before purging	3/12/2025	14:45	6.15	869.05		0.0	DRY
		After purging				875.20			
		Top of Screen 5/1/1990				858.47			
						16.73			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				848.47			
		Bottom of Well	3/12/2025		25.90	849.30			
						0.83			feet sedimentation
		Before Sampling				875.20			
		Recovery				875.20			
		Recovery				875.20			
		Recovery				875.20			
		Recovery				875.20			

IDNR Form 542-1322

Monitoring Well: MW-58

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	848.04
Well Depth	22.24
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	848.04
Well Depth	22.60
Top Screen	835.80
Bottom Screen	825.80
Bottom Well	825.80
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	17.00
Top sample	831.04
Bottom sample	827.04
Turbidity(NTU)	2.58

Date	Time	Water Level	Water Elevation	Notes
3/12/2025	10:00	15.35	832.69	

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	2.58
Appendix I	Metals	150	150	2.58
Appendix I	VOC	240	240	2.58
Full Appendix II	10 more containers	5620	5620	
TSS	TSS	1000	0	
Supplemental			0	
Supplemental			0	
Total		400	5620	

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

TOC	848.04	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.24	Before purging	3/12/2025	10:00	15.35	832.69	2	1.8	no
		After purging		10:17	18.50	829.54			
		Top of Screen 5/1/1990				835.80			
						-6.26			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				825.80			
		Bottom of Well	3/12/2025		22.60	825.44			
						-0.36			feet sedimentation
		Before Sampling				848.04			
		Recovery				848.04			
		Recovery				848.04			
		Recovery				848.04			
		Recovery				848.04			

IDNR Form 542-1322

Monitoring Well: MW-59 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	853.39
Well Depth	18.99
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	853.39
Well Depth	18.80
Top Screen	844.40
Bottom Screen	834.40
Bottom Well	834.40
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	13.00
Top sample	840.39
Bottom sample	836.39
Turbidity(NTU)	3.86

Date	Time	Water Level	Water Elevation	Notes
3/12/2025	10:29	4.83	848.56	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte	Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10	3.86
Appendix I	Metals	150	150	3.86
Appendix I	VOC	240	240	3.86
Full Appendix II	10 more containers	5620	5620	
TSS	TSS	1000	0	
Supplemental			0	
Supplemental			0	
Total		400	5620	

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

TOC	853.39	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	18.99	Before purging	3/12/2025	10:29	4.83	848.56	7	3.0	no
		After purging		10:46	16.75	836.64			
		Top of Screen 5/1/1990				844.40			
						-7.76			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				834.40			
		Bottom of Well	3/4/2024		18.80	834.59			
						0.19			feet sedimentation
		Before Sampling				853.39			App I
		Recovery				853.39			App II
		Recovery				853.39			
		Recovery				853.39			
		Recovery				853.39			

IDNR Form 542-1322

Monitoring Well: MW-60 (dg)

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

GENERAL INFORMATION

TOC	846.18
Well Depth	18.28
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	846.18
Well Depth	18.10
Top Screen	837.90
Bottom Screen	827.90
Bottom Well	827.90
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	12.50
Top sample	833.68
Bottom sample	829.68
Turbidity(NTU)	2.82

Date	Time	Water Level	Water Elevation	Notes
3/12/2025	8:38	5.72	840.46	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte	Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10	2.82
Appendix I	Metals	150	150	2.82
Appendix I	VOC	240	240	2.82
Full Appendix II	10 more containers	5620	5620	
TSS	TSS	1000		
Supplemental				
Supplemental				
Total		400	5620	

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

TOC	846.18	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	18.28	Before purging	3/12/2025	8:38	5.72	840.46	6	2.9	no
		After purging		8:55	10.80	835.38			
		Top of Screen 5/1/1990				837.90			
						-2.52			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				827.90			
		Bottom of Well	3/4/2024		18.10	828.08			
						0.18			feet sedimentation
		Before Sampling				846.18			
		Recovery				846.18			
		Recovery				846.18			
		Recovery				846.18			
		Recovery				846.18			

IDNR Form 542-1322

Monitoring Well: MW-61 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	855.61
Well Depth	18.51
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	855.61
Well Depth	18.35
Top Screen	847.10
Bottom Screen	837.10
Bottom Well	837.10
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	13.00
Top sample	842.61
Bottom sample	838.61
Turbidity(NTU)	2.41

Date	Time	Water Level	Water Elevation	Notes
3/12/2025	12:59	4.86	850.75	

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	0	
TSS	TSS	1000	0	
Supplemental			0	
Supplemental			0	
Total		400	0	

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

TOC	855.61	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	18.51	Before purging	3/12/2025	12:59	4.86	850.75		0.0	
		After purging				855.61			
		Top of Screen 5/1/1990				847.10			
						8.51			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				837.10			
		Bottom of Well	3/12/2025		18.35	837.26			
						0.16			feet sedimentation
		Before Sampling				855.61			
		Recovery				855.61			
		Recovery				855.61			
		Recovery				855.61			
		Recovery				855.61			

IDNR Form 542-1322

Monitoring Well: MW-62R (dg)

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

GENERAL INFORMATION

TOC	917.16
Well Depth	38.75
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	917.16
Well Depth	38.30
Top Screen	893.41
Bottom Screen	878.41
Bottom Well	878.41
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	33.00
Top sample	884.16
Bottom sample	880.16
Turbidity(NTU)	2.20

Date	Time	Water Level	Water Elevation	Notes
3/12/2025	12:04	18.78	898.38	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte	Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10	2.20
Appendix I	Metals	150	150	2.20
Appendix I	VOC	240	240	2.20
Full Appendix II	10 more containers	5620	5620	
TSS	TSS	1000	0	
Supplemental	glass amber	945	0	
Supplemental			0	
Total		400	5620	

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

TOC	917.16	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	38.75	Before purging	3/12/2025	12:04	18.78	898.38	9	2.8	
		After purging		12:38	33.00	884.16			
		Top of Screen 5/1/1990				893.41			
						-9.25			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				878.41			
		Bottom of Well	3/12/2025		38.30	878.86			
						0.45			feet sedimentation
		Before Sampling				917.16			
		Recovery				917.16			
		Recovery				917.16			
		Recovery				917.16			
		Recovery				917.16			

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Monitoring Well: MW-36

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	845
Well Depth	20.35
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	845
Well Depth	20.60
Top Screen	837.00
Bottom Screen	825.00
Bottom Well	825.00
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	830.00
Bottom sample	826.00
Turbidity(NTU)	2.16

Date	Time	Water Level	Water Elevation	Notes
3/12/2025	12:47	8.52	836.48	

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	2.16
Appendix I	Metals	150	150	2.16
Appendix I	VOC	240	240	2.16
Full Appendix II	10 more containers	5620	0	
TSS	TSS	1000	0	
Supplemental			0	
Supplemental			0	
Total		400	0	

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

TOC	845	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	20.35	Before purging	3/12/2025	12:47	8.52	836.48		0.0	
		After purging				845.00			
		Top of Screen 5/1/1990				837.00			
						8.00			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				825.00			
		Bottom of Well	3/12/2025		20.60	824.40			
						-0.60			feet sedimentation
		Before Sampling				845.00			
		Recovery				845.00			
		Recovery				845.00			
		Recovery				845.00			
		Recovery				845.00			

IDNR Form 542-1322

Monitoring Well: MW-78 (up)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	905.08
Well Depth	41.60
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	905.08
Well Depth	41.70
Top Screen	873.48
Bottom Screen	863.48
Bottom Well	863.48
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	36.00
Top sample	869.08
Bottom sample	865.08
Turbidity(NTU)	1.91

Date	Time	Water Level	Water Elevation	Notes
3/12/2025	11:51	10.81	894.27	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte	Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10	1.91
Appendix I	Metals	150	150	1.91
Appendix I	VOC	240	240	1.91
Full Appendix II	10 more containers	5620	0	
TSS	TSS	1000	0	
Supplemental			0	
Supplemental			0	
Total		400	0	

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

TOC	905.08	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	41.60	Before purging	3/12/2025	11:51	10.81	894.27		0.0	
		After purging				905.08			
		Top of Screen 5/1/1990				873.48			
						31.60	feet above (+) or below (-) top screen		
		Bottom of Well 5/1/1990				863.48			
		Bottom of Well	3/12/2025		41.70	863.38			
						-0.10	feet sedimentation		
		Before Sampling				905.08			
		Recovery				905.08			
		Recovery				905.08			
		Recovery				905.08			
		Recovery				905.08			

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Monitoring Well: MW-79 (dg)

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

GENERAL INFORMATION

TOC	879.09
Well Depth	27.00
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	879.09
Well Depth	27.00
Top Screen	862.09
Bottom Screen	852.09
Bottom Well	852.09
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	857.09
Bottom sample	853.09
Turbidity(NTU)	1.78

Date	Time	Water Level	Water Elevation	Notes
3/12/2025	11:37	12.56	866.53	

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	1.78
Appendix I	Metals	150	150	1.78
Appendix I	VOC	240	240	1.78
Full Appendix II	10 more containers	5620	0	
TSS	TSS	1000	0	
Supplemental			0	
Supplemental			0	
Total		400	0	

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

TOC	879.09	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	27.00	Before purging	3/12/2025	11:37	12.56	866.53		0.0	
		After purging				879.09			
		Top of Screen 5/1/1990				862.09			
						17.00			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				852.09			
		Bottom of Well	3/12/2025		27.00	852.09			
						0.00			feet sedimentation
		Before Sampling				879.09			
		Recovery				879.09			
		Recovery				879.09			
		Recovery				879.09			
		Recovery				879.09			

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Monitoring Well: MW-80 (dg)

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

GENERAL INFORMATION

TOC	868.07
Well Depth	21.50
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	868.07
Well Depth	20.00
Top Screen	856.57
Bottom Screen	846.57
Bottom Well	846.57
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.10
Top sample	852.97
Bottom sample	848.97
Turbidity(NTU)	6.77

Date	Time	Water Level	Water Elevation	Notes
3/12/2025	11:13	14.78	853.29	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte	Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10	6.77
Appendix I	Metals	150	150	6.77
Appendix I	VOC	240	240	6.77
Full Appendix II	10 more containers	5620	5620	
TSS	TSS	1000		
Supplemental				
Supplemental				
Total		400	5620	

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

TOC	868.07	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.50	Before purging	3/12/2025	11:13	14.78	853.29	2	1.8	no
		After purging		11:28	14.95	853.12			
		Top of Screen 5/1/1990				856.57			
						-3.45			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				846.57			
		Bottom of Well	3/12/2025		20.00	848.07			
						1.50			feet sedimentation
		Before Sampling				868.07			
		Recovery				868.07			
		Recovery				868.07			
		Recovery				868.07			
		Recovery				868.07			

IDNR Form 542-1322

Monitoring Well: MW-39 (up)

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

GENERAL INFORMATION

TOC	911.85
Well Depth	60.49
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	911.85
Well Depth	59.80
Top Screen	861.36
Bottom Screen	851.36
Bottom Well	851.36
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	54.50
Top sample	857.35
Bottom sample	853.35
Turbidity(NTU)	2.11

Date	Time	Water Level	Water Elevation	Notes
3/12/2025	12:33	37.86	873.99	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte	Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10	2.11
Appendix I	Metals	150	150	2.11
Appendix I	VOC	240	240	2.11
Full Appendix II	10 more containers	5620	0	
TSS	TSS	1000	0	
Supplemental			0	
Supplemental			0	
Total		400	0	

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

TOC	911.85	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	60.49	Before purging	3/12/2025	12:33	37.86	873.99		0.0	
		After purging				911.85			
		Top of Screen 5/1/1990				861.36			
						50.49			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				851.36			
		Bottom of Well	3/12/2025		59.80	852.05			
						0.69			feet sedimentation
		Before Sampling				911.85			
		Recovery				911.85			
		Recovery				911.85			
		Recovery				911.85			
		Recovery				911.85			

**NEWTON SANITARY LANDFILL
PERMIT # 50-SDP-1-75P**

OPERATING LANDFILL

9/3/2025

Sampled by: T. Whipple

Weather conditions: Overcast, drizzle, calm, 65-70 degrees

IDNR Form 542-1322

Monitoring Well: MW-41 (dg) **Primary Sampling Method:** No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	901.73
Well Depth	45.07
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	901.73
Well Depth	42.10
Top Screen	866.66
Bottom Screen	856.66
Bottom Well	856.66
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	36.00
Top sample	865.73
Bottom sample	861.73
Turbidity(NTU)	27.74

Date	Time	Water Level	Water Elevation	Notes
9/3/2025	12:25	31.64	870.09	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte	Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10	27.74
Appendix I	Metals	150	150	27.74
Appendix I	VOC	240	240	27.74
Full Appendix II	10 more containers	5620	0	
TSS	TSS	1000	0	
Supplemental	Quart Amber	945	0	
Supplemental			0	
Total		400	0	

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

TOC	901.73	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	45.07	Before purging	9/3/2025	12:25	31.64	870.09		0.0	Dry
		After purging				901.73			
		Top of Screen 5/1/1990				866.66			
						35.07	feet above (+) or below (-) top screen		
		Bottom of Well 5/1/1990				856.66			
		Bottom of Well	9/3/2025		42.10	859.63			
						2.97	feet sedimentation		
		Before Sampling				901.73			
		Recovery				901.73			
		Recovery				901.73			
		Recovery				901.73			
		Recovery				901.73			

IDNR Form 542-1322

Monitoring Well: MW-42 (dg)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	838.4
Well Depth	27.86
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	838.4
Well Depth	27.00
Top Screen	820.54
Bottom Screen	810.54
Bottom Well	810.54
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	816.40
Bottom sample	812.40
Turbidity(NTU)	28.19

Date	Time	Water Level	Water Elevation	Notes
9/3/2025	12:40	7.58	830.82	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte	Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10	28.19
Appendix I	Metals	150	150	28.19
Appendix I	VOC	240	240	28.19
Full Appendix II	10 more containers	5620		
TSS	TSS	1000	0	
Supplemental	2,4,5-T	946		
Supplemental				
Total		400	0	

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

TOC	838.4	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	27.86	Before purging	9/3/2025	12:40	7.58	830.82		0.0	No
		After purging				838.40			
		Top of Screen 5/1/1990				820.54			
						17.86			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				810.54			
		Bottom of Well	9/3/2025		27.00	811.40			
						0.86			feet sedimentation
		Before Sampling				838.40			
		Recovery				838.40			
		Recovery				838.40			
		Recovery				838.40			
		Recovery				838.40			

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Monitoring Well: MW-48 (up)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	875.2
Well Depth	26.73
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	875.2
Well Depth	25.90
Top Screen	858.47
Bottom Screen	848.57
Bottom Well	848.57
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	20.00
Top sample	855.20
Bottom sample	851.20
Turbidity(NTU)	1.79

Date	Time	Water Level	Water Elevation	Notes
9/3/2025	9:49	9.23	865.97	

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	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				
Supplemental				
Total		400	0	

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

TOC	875.2	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	26.73	Before purging	9/3/2025	9:49	9.23	865.97		0.0	DRY
		After purging				875.20			
		Top of Screen 5/1/1990				858.47			
						16.73			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				848.47			
		Bottom of Well	9/3/2025		25.90	849.30			
						0.83			feet sedimentation
		Before Sampling				875.20			
		Recovery				875.20			
		Recovery				875.20			
		Recovery				875.20			
		Recovery				875.20			

IDNR Form 542-1322

Monitoring Well: MW-58

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	848.04
Well Depth	22.24
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	848.04
Well Depth	22.60
Top Screen	835.80
Bottom Screen	825.80
Bottom Well	825.80
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	17.00
Top sample	831.04
Bottom sample	827.04
Turbidity(NTU)	26.65

Date	Time	Water Level	Water Elevation	Notes
9/3/2025	12:52	15.18	832.86	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte	Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10	26.65
Appendix I	Metals	150	150	26.65
Appendix I	VOC	240	240	26.65
Full Appendix II	10 more containers	5620	0	
TSS	TSS	1000	0	
Supplemental			0	
Supplemental			0	
Total		400	0	

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

TOC	848.04	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.24	Before purging	9/3/2025	12:52	15.18	832.86		0.0	no
		After purging				848.04			
		Top of Screen 5/1/1990				835.80			
						12.24			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				825.80			
		Bottom of Well	9/3/2025		22.60	825.44			
						-0.36			feet sedimentation
		Before Sampling				848.04			
		Recovery				848.04			
		Recovery				848.04			
		Recovery				848.04			
		Recovery				848.04			

IDNR Form 542-1322

Monitoring Well: MW-59 (dg)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	853.39
Well Depth	18.99
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	853.39
Well Depth	18.80
Top Screen	844.40
Bottom Screen	834.40
Bottom Well	834.40
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	13.00
Top sample	840.39
Bottom sample	836.39
Turbidity(NTU)	34.51

Date	Time	Water Level	Water Elevation	Notes
9/3/2025	10:58	12.89	840.5	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte	Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10	34.51
Appendix I	Metals	150	150	34.51
Appendix I	VOC	240	240	34.51
Full Appendix II	10 more containers	5620	0	
TSS	TSS	1000	0	
Supplemental			0	
Supplemental			0	
Total		400	0	

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

TOC	853.39	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	18.99	Before purging	9/3/2025	10:58	12.89	840.50		0.0	no
		After purging				853.39			
		Top of Screen 5/1/1990				844.40			
						8.99			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				834.40			
		Bottom of Well	3/4/2024		18.80	834.59			
						0.19			feet sedimentation
		Before Sampling				853.39			App I
		Recovery				853.39			App II
		Recovery				853.39			
		Recovery				853.39			
		Recovery				853.39			

IDNR Form 542-1322

Monitoring Well: MW-60 (dg)

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

GENERAL INFORMATION

TOC	846.18
Well Depth	18.28
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	846.18
Well Depth	18.10
Top Screen	837.90
Bottom Screen	827.90
Bottom Well	827.90
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	13.00
Top sample	833.18
Bottom sample	829.18
Turbidity(NTU)	34.03

Date	Time	Water Level	Water Elevation	Notes
9/3/2025	11:55	6.94	839.24	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte	Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10	34.03
Appendix I	Metals	150	150	34.03
Appendix I	VOC	240	240	34.03
Full Appendix II	10 more containers	5620		
TSS	TSS	1000		
Supplemental				
Supplemental				
Total		400	0	

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

TOC	846.18	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	18.28	Before purging	9/3/2025	11:55	6.94	839.24		0.0	no
		After purging				846.18			
		Top of Screen 5/1/1990				837.90			
						8.28			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				827.90			
		Bottom of Well	3/4/2024		18.10	828.08			
						0.18			feet sedimentation
		Before Sampling				846.18			
		Recovery				846.18			
		Recovery				846.18			
		Recovery				846.18			
		Recovery				846.18			

IDNR Form 542-1322

Monitoring Well: MW-61 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	855.61
Well Depth	18.51
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	855.61
Well Depth	18.35
Top Screen	847.10
Bottom Screen	837.10
Bottom Well	837.10
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	13.00
Top sample	842.61
Bottom sample	838.61
Turbidity(NTU)	32.78

Date	Time	Water Level	Water Elevation	Notes
9/3/2025	12:04	6.4	849.21	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte	Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10	32.78
Appendix I	Metals	150	150	32.78
Appendix I	VOC	240	240	32.78
Full Appendix II	10 more containers	5620	0	
TSS	TSS	1000	0	
Supplemental			0	
Supplemental			0	
Total		400	0	

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

TOC	855.61	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	18.51	Before purging	9/3/2025	12:04	6.40	849.21		0.0	
		After purging				855.61			
		Top of Screen 5/1/1990				847.10			
						8.51			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				837.10			
		Bottom of Well	9/3/2025		18.35	837.26			
						0.16			feet sedimentation
		Before Sampling				855.61			
		Recovery				855.61			
		Recovery				855.61			
		Recovery				855.61			
		Recovery				855.61			

IDNR Form 542-1322

Monitoring Well: MW-62R (dg)

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

GENERAL INFORMATION

TOC	917.16
Well Depth	38.75
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	917.16
Well Depth	38.30
Top Screen	893.41
Bottom Screen	878.41
Bottom Well	878.41
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	32.00
Top sample	885.16
Bottom sample	881.16
Turbidity(NTU)	32.80

Date	Time	Water Level	Water Elevation	Notes
9/3/2025	11:15	19.41	897.75	

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	32.80
Appendix I	Metals	150	150	32.80
Appendix I	VOC	240	240	32.80
Full Appendix II	10 more containers	5620	0	
TSS	TSS	1000	0	
Supplemental	glass amber	945	0	
Supplemental			0	
Total		400	0	

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

TOC	917.16	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	38.75	Before purging	9/3/2025	11:15	19.41	897.75		0.0	
		After purging				917.16			
		Top of Screen 5/1/1990				893.41			
						23.75			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				878.41			
		Bottom of Well	9/3/2025		38.30	878.86			
						0.45			feet sedimentation
		Before Sampling				917.16			
		Recovery				917.16			
		Recovery				917.16			
		Recovery				917.16			
		Recovery				917.16			

IDNR Form 542-1322

Monitoring Well: MW-36

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	845
Well Depth	20.35
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	845
Well Depth	20.60
Top Screen	837.00
Bottom Screen	825.00
Bottom Well	825.00
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	830.00
Bottom sample	826.00
Turbidity(NTU)	31.13

Date	Time	Water Level	Water Elevation	Notes
9/3/2025	11:43	9.82	835.18	

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	31.13
Appendix I	Metals	150	150	31.13
Appendix I	VOC	240	240	31.13
Full Appendix II	10 more containers	5620	0	
TSS	TSS	1000	0	
Supplemental			0	
Supplemental			0	
Total		400	0	

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

TOC	845	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	20.35	Before purging	9/3/2025	11:43	9.82	835.18		0.0	
		After purging				845.00			
		Top of Screen 5/1/1990				837.00			
						8.00			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				825.00			
		Bottom of Well	9/3/2025		20.60	824.40			
						-0.60			feet sedimentation
		Before Sampling				845.00			
		Recovery				845.00			
		Recovery				845.00			
		Recovery				845.00			
		Recovery				845.00			

IDNR Form 542-1322

Monitoring Well: MW-78 (up)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	905.08
Well Depth	41.60
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	905.08
Well Depth	41.70
Top Screen	873.48
Bottom Screen	863.48
Bottom Well	863.48
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	36.00
Top sample	869.08
Bottom sample	865.08
Turbidity(NTU)	31.57

Date	Time	Water Level	Water Elevation	Notes
9/3/2025	10:59	15.31	889.77	

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	31.57
Appendix I	Metals	150	150	31.57
Appendix I	VOC	240	240	31.57
Full Appendix II	10 more containers	5620	0	
TSS	TSS	1000	0	
Supplemental			0	
Supplemental			0	
Total		400	0	

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

TOC	905.08	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	41.60	Before purging	9/3/2025	10:59	15.31	889.77		0.0	
		After purging				905.08			
		Top of Screen 5/1/1990				873.48			
						31.60			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				863.48			
		Bottom of Well	9/3/2025		41.70	863.38			
						-0.10			feet sedimentation
		Before Sampling				905.08			
		Recovery				905.08			
		Recovery				905.08			
		Recovery				905.08			
		Recovery				905.08			

IDNR Form 542-1322

Monitoring Well: MW-79 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	879.09
Well Depth	27.00
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	879.09
Well Depth	27.00
Top Screen	862.09
Bottom Screen	852.09
Bottom Well	852.09
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	857.09
Bottom sample	853.09
Turbidity(NTU)	26.10

Date	Time	Water Level	Water Elevation	Notes
9/3/2025	13:04	10.95	868.14	

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	26.10
Appendix I	Metals	150	150	26.10
Appendix I	VOC	240	240	26.10
Full Appendix II	10 more containers	5620	0	
TSS	TSS	1000	0	
Supplemental			0	
Supplemental			0	
Total		400	0	

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

TOC	879.09	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	27.00	Before purging	9/3/2025	13:04	10.95	868.14		0.0	
		After purging				879.09			
		Top of Screen 5/1/1990				862.09			
						17.00			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				852.09			
		Bottom of Well	9/3/2025		27.00	852.09			
						0.00			feet sedimentation
		Before Sampling				879.09			
		Recovery				879.09			
		Recovery				879.09			
		Recovery				879.09			
		Recovery				879.09			

IDNR Form 542-1322

Monitoring Well: MW-80 (dg)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	868.07
Well Depth	21.50
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	868.07
Well Depth	20.00
Top Screen	856.57
Bottom Screen	846.57
Bottom Well	846.57
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	853.07
Bottom sample	849.07
Turbidity(NTU)	22.24

Date	Time	Water Level	Water Elevation	Notes
9/3/2025	13:19	14.38	853.69	

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	22.24
Appendix I	Metals	150	150	22.24
Appendix I	VOC	240	240	22.24
Full Appendix II	10 more containers	5620		
TSS	TSS	1000		
Supplemental				
Supplemental				
Total		400	0	

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

TOC	868.07	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.50	Before purging	9/3/2025	13:19	14.38	853.69		0.0	no
		After purging				868.07			
		Top of Screen 5/1/1990				856.57			
						11.50			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				846.57			
		Bottom of Well	9/3/2025		20.00	848.07			
						1.50			feet sedimentation
		Before Sampling				868.07			
		Recovery				868.07			
		Recovery				868.07			
		Recovery				868.07			
		Recovery				868.07			

IDNR Form 542-1322

Monitoring Well: MW-39 (up)

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

GENERAL INFORMATION

TOC	911.85
Well Depth	60.49
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	911.85
Well Depth	59.80
Top Screen	861.36
Bottom Screen	851.36
Bottom Well	851.36
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	53.00
Top sample	858.85
Bottom sample	854.85
Turbidity(NTU)	32.48

Date	Time	Water Level	Water Elevation	Notes
9/3/2025	11:29	37.85	874	

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	32.48
Appendix I	Metals	150	150	32.48
Appendix I	VOC	240	240	32.48
Full Appendix II	10 more containers	5620	0	
TSS	TSS	1000	0	
Supplemental			0	
Supplemental			0	
Total		400	0	

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

TOC	911.85	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	60.49	Before purging	9/3/2025	11:29	37.85	874.00		0.0	
		After purging				911.85			
		Top of Screen 5/1/1990				861.36			
						50.49			feet above (+) or below (-) top screen
		Bottom of Well 5/1/1990				851.36			
		Bottom of Well	9/3/2025		59.80	852.05			
						0.69			feet sedimentation
		Before Sampling				911.85			
		Recovery				911.85			
		Recovery				911.85			
		Recovery				911.85			
		Recovery				911.85			

NEWTON SANITARY LANDFILL
PERMIT # 50-SDP-1-75P

OPERATING LANDFILL

12/2/2025

Sampled by: Glenn Hunter

Weather conditions: Sunny, 18 degrees

IDNR Form 542-1322

Monitoring Well: MW-48 (up)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	875.2
Well Depth	26.73
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	875.2
Well Depth	25.90
Top Screen	858.47
Bottom Screen	848.57
Bottom Well	848.57
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	20.00
Top sample	855.20
Bottom sample	851.20
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
12/2/2025	9:40	10.42	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	0		0.00
Appendix I	Metals	150	0		0.00
Appendix I	VOC	240	240		0.00
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental					
Supplemental					
Total			240	0	

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

TOC	875.2	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	26.73	Before purging	12/2/2025	9:40	10.42	864.78		0.0	DRY
		After purging				875.20			
		Top of Screen 5/1/1990				858.47			
						16.73	feet above (+) or below (-) top screen		
		Bottom of Well 5/1/1990				848.47			
		Bottom of Well	12/2/2025		25.90	849.30			
						0.83	feet sedimentation		
		Before Sampling				875.20			
		Recovery				875.20			
		Recovery				875.20			
		Recovery				875.20			
		Recovery				875.20			

Appendix B

Statistical Report

APPENDIX B.1 – Spring Statistical Evaluation

GROUND WATER STATISTICS
FOR THE
NEWTON SANITARY LANDFILL

First Semi-Annual Monitoring Event in 2025

Prepared for:
City of Newton Sanitary Landfill
3202 Ia-14
Newton, Jasper County, IA

Prepared by:
Jeffrey A. Holmgren
Otter Creek Environmental Services, LLC
Elgin, IL
(847) 464-1355

April 2025

INTRODUCTION

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

Ground Water Monitoring Program

The groundwater monitoring network for Newton Sanitary Landfill includes GWD-1, MW-36, MW-39, MW-41, MW-42, MW-48, MW-58, MW-59, MW-60, MW-61, MW-62R, MW-78, MW-79, and MW-80. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

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

Organic Compounds:

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

Inorganic constituents:

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

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

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. The interwell method was applied to the Newton Landfill data using the DUMPStat[®] statistical program. Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

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

Results of the Interwell Statistics

The prior background data used in the statistical analysis included the ground water data collected from ground water wells MW-62R and MW-78. Since there were verified detections of trichlorofluoromethane at MW-62R, it was recommended that MW-62R not be used as a background well. In its' place, MW-48 and MW-39 were added as background points. Additionally, SW-101 was approved as a background point. The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-39, MW-48, MW-78, and SW-101 during the period from September 2014 through the current data. A summary of the background data from monitoring wells MW-39, MW-48, MW-78, and SW-101 used to determine the site prediction limits are listed in Attachment B, Table 1 "Upgradient Data". This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 "Most Current Downgradient Monitoring Data", summarizes the current data from downgradient wells MW-36, MW-41, MW-42, MW-58, MW-59, MW-60, MW-61, MW-62R, MW-79, MW-80, and SW-101R compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the most current data, the current site prediction limit exceedances are summarized in the table below.

Trace Metal Prediction Limit Exceedances during the First Semi-Annual Monitoring Event in 2025

Well	Trace Metal Detected	Result, µg/L	Prediction Limit, µg/L	Prediction Limit Type	Verified/ Awaiting verification	Ground Water Standard, µg/L
MW-58	Nickel	14.2	8.7000	Nonparametric	Verified	100 ^a
MW-59	Copper	6.7	4.0000	Nonparametric	Awaiting verification	1300 ^b
MW-60	Copper	4.5	4.0000	Nonparametric	Awaiting verification	1300 ^b
MW-62R	Barium	946	357.0000	Nonparametric	Verified	2000 ^a
SW-101R	Copper	5.7	4.0000	Nonparametric	Awaiting verification	1300 ^b

a – USEPA MCL

b – Iowa Statewide Standard

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. With the exception of barium, these constituents are rarely detected in the upgradient wells. With the detection frequencies being less than 50% for all but barium, nonparametric site prediction limits are used for those trace metals.

Table 4 summarizes the results of the Shapiro-Wilk test. The background barium data are normally distributed so barium uses a normal site prediction limit. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

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

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

The 95% LCLs calculated for the metals which exceeded site prediction limits are below the respective GWPS (Attachment C).

Results of the Interwell Statistics – Old Landfill

The current ground water data from monitoring wells MW-44, MW-56, MW-57, MW-64, and MW-65 was compared to site prediction limits established from monitoring wells MW-39, MW-48, MW-78, and SW-

101. A summary of the background data from monitoring wells MW-39, MW-48, MW-78, and SW-101 used to determine the site prediction limits are listed in Attachment D, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient wells MW-44, MW-56, MW-57, MW-64, and MW-65 compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the most current data, the current site prediction limit exceedances are summarized in the table below.

Trace Metal Prediction Limit Exceedances during the First Semi-Annual Monitoring Event in 2025

Well	Trace Metal Detected	Result, µg/L	Prediction Limit, µg/L	Prediction Limit Type	Verified/ Awaiting verification	Ground Water Standard, µg/L
MW-44	Arsenic	8.9	7.3000	Nonparametric	Verified	10 ^a
	Cobalt	10.3	6.9000	Nonparametric	Verified	2.1 ^b
	Nickel	8.8	8.7000	Nonparametric	Verified	100 ^a
MW-64	Arsenic	25.7	7.3000	Nonparametric	Verified	10 ^a
	Cobalt	11.1	6.9000	Nonparametric	Verified	2.1 ^b
	Nickel	30.7	8.7000	Nonparametric	Verified	100 ^a
MW-65	Nickel	12.0	8.7000	Nonparametric	Verified	100 ^a

a – USEPA MCL

b – Iowa Statewide Standard

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. With the exception of barium, these constituents are rarely detected in the upgradient wells. With the detection frequencies being less than 50% for all but barium, nonparametric site prediction limits are used for those trace metals.

Table 4 summarizes the results of the Shapiro-Wilk test. The background barium data are normally distributed so barium uses a normal site prediction limit. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

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

The past and present verified trace metal exceedances were evaluated against the ground water protection standards (GWPS) using confidence limits.

The 95% LCL for cobalt at MW-44 (9.765 µg/L) exceeds the GWPS of 2.1 µg/L.

The 95% LCL for arsenic at MW-64 (23.154 µg/L) exceeds the GWPS of 10 µg/L.

The 95% LCL for cobalt at MW-64 (10.305 µg/L) exceeds the GWPS of 2.1 µg/L.

The 95% LCL for cobalt at MW-65 (2.186 µg/L) exceeds the GWPS of 2.1 µg/L, though the current concentration (3.6 µg/L) does not exceed the site prediction limit of 6.9 µg/L.

The 95% LCLs calculated for the remainder of the metals which exceeded site prediction limits are below the respective GWPS.

Volatile Organic Compounds

Volatile Organic Compounds (VOCs) are generally man-made compounds not present in ambient ground water. If VOCs are detected above their statistical limit (i.e., the laboratory PQL or reporting limit), a verification resample will be conducted at the next scheduled sampling event. A statistical exceedance will be indicated if the VOC detection is confirmed by the subsequent monitoring. VOCs detected in the ground water at Newton Landfill during the first semi-annual monitoring event in 2025 are summarized below. Historical VOC detections are summarized in Attachment E.

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

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting Verification	Ground Water Standard
MW-41	1,1-Dichloroethane	19.5	1	Verified	140 ^b
	cis-1,2-Dichloroethene	3.3	1	Verified	70 ^a
SW-101R	cis-1,2-Dichloroethene	2.2	1	Verified	70 ^a
	Vinyl chloride	1.2	1	Verified	2 ^a

a - USEPA MCL, b – Iowa Statewide Standard

VOCs detected during the First Semi-Annual Monitoring Event in 2025 – Old Landfill

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting Verification	Ground Water Standard
MW-64	1,1-Dichloroethane	1.6	1	Verified	140 ^b
	cis-1,2-Dichloroethene	2.0	1	Verified	70 ^a

a - USEPA MCL, b – Iowa Statewide Standard

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 95% LCLs calculated for the verified VOCs are below the respective GWPS

CONCLUSIONS

This report summarizes the statistical analyses used to evaluate the ground water data obtained during the first semi-annual monitoring event in 2025 at Newton Sanitary Landfill. The ground water data was compared to background using prediction limits. There are verified site prediction limit exceedances for nickel at MW-58; barium at MW-62R; arsenic, cobalt, and nickel at MW-44; arsenic, cobalt, and nickel at MW-64; and nickel at MW-65.

The VOC data obtained during the first semi-annual monitoring event in 2025 were compared to MCLs or PQLs. There were verified detections of 1,1-dichloroethane and *cis*-1,2-dichloroethene at MW-41; *cis*-1,2-dichloroethene and vinyl chloride at SW-101R; and 1,1-dichloroethane and *cis*-1,2-dichloroethene at MW-64.

Attachment A

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

Table 1

Analytical Data Summary for 3/12/2025

Constituents	Units	MW-36	MW-39	MW-41	MW-42	MW-44	MW-48	MW-56	MW-57	MW-58	MW-59	MW-60
(3,4)-methylphenol	ug/L			<8		<8			<8	<8	<8	<8
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1.0	<1.0	19.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L			<1		<1			<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L			<8		<8			<8	<8	<8	<8
1,2,4-trichlorobenzene	ug/L			<1		<1			<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<1	<5	<1	<5	<5	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L			<8		<8			<8	<8	<8	<8
1,3,5-trinitrobenzene	ug/L			<8		<8			<8	<8	<8	<8
1,3-dichlorobenzene	ug/L			<1		<1			<1	<1	<1	<1
1,3-dichloropropane	ug/L			<1		<1			<1	<1	<1	<1
1,3-dinitrobenzene	ug/L			<8		<8			<8	<8	<8	<8
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L			<8		<8			<8	<8	<8	<8
1,4-phenylenediamine	ug/L			<8		<8			<8	<8	<8	<8
1-naphthylamine	ug/L			<8		<8			<8	<8	<8	<8
2,2-dichloropropane	ug/L			<1		<1			<1	<1	<1	<1
2,3,4,6-tetrachlorophenol	ug/L			<8		<8			<8	<8	<8	<8
2,4,5-t	ug/L			<5		<5			<5	<5	<5	<5
2,4,5-tp (silvex)	ug/L			<5		<5			<5	<5	<5	<5
2,4,5-trichlorophenol	ug/L			<8		<8			<8	<8	<8	<8
2,4,6-trichlorophenol	ug/L			<8		<8			<8	<8	<8	<8
2,4-d	ug/L			<2		<2			<2	<2	<2	<2
2,4-dichlorophenol	ug/L			<8		<8			<8	<8	<8	<8
2,4-dimethylphenol	ug/L			<8		<8			<8	<8	<8	<8
2,4-dinitrophenol	ug/L			<8		<8			<8	<8	<8	<8
2,4-dinitrotoluene	ug/L			<8		<8			<8	<8	<8	<8
2,6-dichlorophenol	ug/L			<8		<8			<8	<8	<8	<8
2,6-dinitrotoluene	ug/L			<8		<8			<8	<8	<8	<8
2-acetylaminofluorene	ug/L			<8		<8			<8	<8	<8	<8
2-butanone (mek)	ug/L	<10	<10	<5	<10	<5	<10	<10	<5	<5	<5	<5
2-chloronaphthalene	ug/L			<8		<8			<8	<8	<8	<8
2-chlorophenol	ug/L			<8		<8			<8	<8	<8	<8
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L			<8		<8			<8	<8	<8	<8
2-methylphenol (o-cresol)	ug/L			<8		<8			<8	<8	<8	<8
2-naphthylamine	ug/L			<8		<8			<8	<8	<8	<8
2-nitroaniline	ug/L			<8		<8			<8	<8	<8	<8
2-nitrophenol	ug/L			<8		<8			<8	<8	<8	<8
3,3'-dichlorobenzidine	ug/L			<8		<8			<8	<8	<8	<8
3,3-dimethylbenzidine	ug/L			<8		<8			<8	<8	<8	<8
3-methylcholanthrene	ug/L			<8		<8			<8	<8	<8	<8
3-nitroaniline	ug/L			<8		<8			<8	<8	<8	<8
4,4'-ddd	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
4,4'-dde	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
4,4'-ddt	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
4,6-dinitro-2-methylphenol	ug/L			<8		<8			<8	<8	<8	<8
4-aminobiphenyl	ug/L			<8		<8			<8	<8	<8	<8
4-bromophenyl phenyl ether	ug/L			<8		<8			<8	<8	<8	<8
4-chloro-3-methylphenol	ug/L			<8		<8			<8	<8	<8	<8
4-chloroaniline	ug/L			<8		<8			<8	<8	<8	<8
4-chlorophenyl phenyl ether	ug/L			<8		<8			<8	<8	<8	<8
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L			<8		<8			<8	<8	<8	<8
4-nitrophenol	ug/L			<8		<8			<8	<8	<8	<8
5-nitro-o-toluidine	ug/L			<8		<8			<8	<8	<8	<8
7,12-dimethylbenz [a] anthracene	ug/L			<8		<8			<8	<8	<8	<8
Acenaphthene	ug/L			<8		<8			<8	<8	<8	<8
Acenaphthylene	ug/L			<8		<8			<8	<8	<8	<8
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L			<10		<10			<10	<10	<10	<10
Acetophenone	ug/L			<8		<8			<8	<8	<8	<8
Acrolein	ug/L			<10		<10			<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
Allyl chloride	ug/L			<1		<1			<1	<1	<1	<1
Alpha-bhc	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
Anthracene	ug/L			<8		<8			<8	<8	<8	<8

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

Table 1

Analytical Data Summary for 3/12/2025

Constituents	MW-61	MW-62R	MW-64	MW-65	MW-78	MW-79	MW-80	PECS-1	SW-101R	SW-102	SW-103
(3,4)-methylphenol		<8					<8				
1,1,1,2-tetrachloroethane	<1	<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
1,1,2,2-tetrachloroethane	<1	<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
1,1-dichloroethane	<1.0	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene		<1					<1				
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene		<8					<8				
1,2,4-trichlorobenzene		<1					<1				
1,2-dibromo-3-chloropropane	<5	<1	<5	<5	<5	<5	<1	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene		<8					<8				
1,3,5-trinitrobenzene		<8					<8				
1,3-dichlorobenzene		<1					<1				
1,3-dichloropropane		<1					<1				
1,3-dinitrobenzene		<8					<8				
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone		<8					<8				
1,4-phenylenediamine		<8					<8				
1-naphthylamine		<8					<8				
2,2-dichloropropane		<1					<1				
2,3,4,6-tetrachlorophenol		<8					<8				
2,4,5-t		<5					<5				
2,4,5-tp (silvex)		<5					<5				
2,4,5-trichlorophenol		<8					<8				
2,4,6-trichlorophenol		<8					<8				
2,4-d		<2					<2				
2,4-dichlorophenol		<8					<8				
2,4-dimethylphenol		<8					<8				
2,4-dinitrophenol		<8					<8				
2,4-dinitrotoluene		<8					<8				
2,6-dichlorophenol		<8					<8				
2,6-dinitrotoluene		<8					<8				
2-acetylaminofluorene		<8					<8				
2-butanone (mek)	<10	<5	<10	<10	<10	<10	<5	<10	<10	<10	<10
2-chloronaphthalene		<8					<8				
2-chlorophenol		<8					<8				
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene		<8					<8				
2-methylphenol (o-cresol)		<8					<8				
2-naphthylamine		<8					<8				
2-nitroaniline		<8					<8				
2-nitrophenol		<8					<8				
3,3'-dichlorobenzidine		<8					<8				
3,3-dimethylbenzidine		<8					<8				
3-methylcholanthrene		<8					<8				
3-nitroaniline		<8					<8				
4,4'-ddd		<.05					<.05				
4,4'-dde		<.05					<.05				
4,4'-ddt		<.05					<.05				
4,6-dinitro-2-methylphenol		<8					<8				
4-aminobiphenyl		<8					<8				
4-bromophenyl phenyl ether		<8					<8				
4-chloro-3-methylphenol		<8					<8				
4-chloroaniline		<8					<8				
4-chlorophenyl phenyl ether		<8					<8				
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline		<8					<8				
4-nitrophenol		<8					<8				
5-nitro-o-toluidine		<8					<8				
7,12-dimethylbenz [a] anthracene		<8					<8				
Acenaphthene		<8					<8				
Acenaphthylene		<8					<8				
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile		<10					<10				
Acetophenone		<8					<8				
Acrolein		<10					<10				
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin		<.05					<.05				
Allyl chloride		<1					<1				
Alpha-bhc		<.05					<.05				
Anthracene		<8					<8				

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

Table 1

Analytical Data Summary for 3/12/2025

Constituents	Units	MW-36	MW-39	MW-41	MW-42	MW-44	MW-48	MW-56	MW-57	MW-58	MW-59	MW-60
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L			<2		<2			<2	<2	<2	<2
Arochlor 1221	ug/L			<2		<2			<2	<2	<2	<2
Arochlor 1232	ug/L			<2		<2			<2	<2	<2	<2
Arochlor 1242	ug/L			<2		<2			<2	<2	<2	<2
Arochlor 1248	ug/L			<2		<2			<2	<2	<2	<2
Arochlor 1254	ug/L			<2		<2			<2	<2	<2	<2
Arochlor 1260	ug/L			<2		<2			<2	<2	<2	<2
Arsenic, total	ug/L	<4.0	<4.0	<4.0	<4.0	8.9	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene	ug/L			<8		<8			<8	<8	<8	<8
Barium, total	ug/L	76.3	135.0	73.1	18.1	126.0	153.0	18.2	164.0	21.4	24.8	146.0
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L			<8		<8			<8	<8	<8	<8
Benzo(a)pyrene	ug/L			<8		<8			<8	<8	<8	<8
Benzo(b)fluoranthene	ug/L			<8		<8			<8	<8	<8	<8
Benzo(g,h,i)perylene	ug/L			<8		<8			<8	<8	<8	<8
Benzo(k)fluoranthene	ug/L			<8		<8			<8	<8	<8	<8
Benzyl alcohol	ug/L			<8		<8			<8	<8	<8	<8
Beryllium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Beta-bhc	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
Bis (2-chloroethoxy) methane	ug/L			<8		<8			<8	<8	<8	<8
Bis(2-chloroethyl) ether	ug/L			<8		<8			<8	<8	<8	<8
Bis(2-ethylhexyl) phthalate	ug/L			<6		<6			<6	<6	<6	<6
Bis[2-chloroisopropyl]ether	ug/L			<8		<8			<8	<8	<8	<8
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L			<8		<8			<8	<8	<8	<8
Cadmium, total	ug/L	<.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
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L			<.1		<.1			<.1	<.1	<.1	<.1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L			<8		<8			<8	<8	<8	<8
Chloroethane	ug/L	<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
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L			<1		<1			<1	<1	<1	<1
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L			<8		<8			<8	<8	<8	<8
Cis-1,2-dichloroethylene	ug/L	<1.0	<1.0	3.3	<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
Cobalt, total	ug/L	<.4	<.4	<.4	<.4	10.3	<.4	<.4	<.4	<.4	<.4	<.4
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	6.7	4.5
Cyanide, total	mg/L			<.01		<.01			<.01	<.01	<.01	<.01
Delta-bhc	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
Diallate	ug/L			<8		<8			<8	<8	<8	<8
Dibenzo(a,h)anthracene	ug/L			<8		<8			<8	<8	<8	<8
Dibenzofuran	ug/L			<8		<8			<8	<8	<8	<8
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L			<1		<1			<1	<1	<1	<1
Dieldrin	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
Diethyl phthalate	ug/L			<8		<8			<8	<8	<8	<8
Dimethoate	ug/L			<.4		<.4			<.4	<.4	<.4	<.4
Dimethylphthalate	ug/L			<8		<8			<8	<8	<8	<8
Di-n-butyl phthalate	ug/L			<8		<8			<8	<8	<8	<8
Di-n-octyl phthalate	ug/L			<8		<8			<8	<8	<8	<8
Dinoseb	ug/L			<.5		<.5			<.5	<.5	<.5	<.5
Diphenylamine	ug/L			<8		<8			<8	<8	<8	<8
Disulfoton	ug/L			<.4		<.4			<.4	<.4	<.4	<.4
Endosulfan i	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
Endosulfan ii	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
Endosulfan sulfate	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
Endrin	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
Endrin aldehyde	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
Ethyl methacrylate	ug/L			<10		<10			<10	<10	<10	<10
Ethyl methanesulfonate	ug/L			<8		<8			<8	<8	<8	<8
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L			<.4		<.4			<.4	<.4	<.4	<.4
Fluoranthene	ug/L			<8		<8			<8	<8	<8	<8
Fluorene	ug/L			<8		<8			<8	<8	<8	<8
Gamma-bhc [lindane]	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
Heptachlor	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
Heptachlor epoxide	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
Hexachlorobenzene	ug/L			<.05		<.05			<.05	<.05	<.05	<.05

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

Table 1

Analytical Data Summary for 3/12/2025

Constituents	MW-61	MW-62R	MW-64	MW-65	MW-78	MW-79	MW-80	PECS-1	SW-101R	SW-102	SW-103
Antimony, total	<2	<2	<2	<2	<2	<2	<2		<2	<2	<2
Arochlor 1016		<2					<2				
Arochlor 1221		<2					<2				
Arochlor 1232		<2					<2				
Arochlor 1242		<2					<2				
Arochlor 1248		<2					<2				
Arochlor 1254		<2					<2				
Arochlor 1260		<2					<2				
Arsenic, total	<4.0	<4.0	25.7	4.3	<4.0	<4.0	4.6		<4.0	<4.0	<4.0
Azobenzene		<8					<8				
Barium, total	196.0	946.0	57.2	30.0	283.0	54.9	127.0		224.0	152.0	150.0
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene		<8					<8				
Benzo(a)pyrene		<8					<8				
Benzo(b)fluoranthene		<8					<8				
Benzo(g,h,i)perylene		<8					<8				
Benzo(k)fluoranthene		<8					<8				
Benzyl alcohol		<8					<8				
Beryllium, total	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4
Beta-bhc		<.05					<.05				
Bis (2-chloroethoxy) methane		<8					<8				
Bis(2-chloroethyl) ether		<8					<8				
Bis(2-ethylhexyl) phthalate		<6					<6				
Bis[2-chloroisopropyl]ether		<8					<8				
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate		<8					<8				
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8		<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane		<.1					<.1				
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate		<8					<8				
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene		<1					<1				
Chromium, total	<8	<8	<8	<8	<8	<8	<8		<8	<8	<8
Chrysene		<8					<8				
Cis-1,2-dichloroethylene	<1.0	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.2	<1.0	<1.0
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.4	<.4	11.1	3.6	<.4	<.4	1.8		1.4	<.4	.6
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		5.7	<4.0	<4.0
Cyanide, total		<.01					<.01				
Delta-bhc		<.05					<.05				
Diallate		<8					<8				
Dibenzo(a,h)anthracene		<8					<8				
Dibenzofuran		<8					<8				
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane		<1					<1				
Dieldrin		<.05					<.05				
Diethyl phthalate		<8					<8				
Dimethoate		<.4					<.4				
Dimethylphthalate		<8					<8				
Di-n-butyl phthalate		<8					<8				
Di-n-octyl phthalate		<8					<8				
Dinoseb		<.5					<.5				
Diphenylamine		<8					<8				
Disulfoton		<.4					<.4				
Endosulfan i		<.05					<.05				
Endosulfan ii		<.05					<.05				
Endosulfan sulfate		<.05					<.05				
Endrin		<.05					<.05				
Endrin aldehyde		<.05					<.05				
Ethyl methacrylate		<10					<10				
Ethyl methanesulfonate		<8					<8				
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur		<.4					<.4				
Fluoranthene		<8					<8				
Fluorene		<8					<8				
Gamma-bhc [lindane]		<.05					<.05				
Heptachlor		<.05					<.05				
Heptachlor epoxide		<.05					<.05				
Hexachlorobenzene		<.05					<.05				

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

Table 1

Analytical Data Summary for 3/12/2025

Constituents	Units	MW-36	MW-39	MW-41	MW-42	MW-44	MW-48	MW-56	MW-57	MW-58	MW-59	MW-60
Hexachlorobutadiene	ug/L			<8		<8			<8	<8	<8	<8
Hexachlorocyclopentadiene	ug/L			<8		<8			<8	<8	<8	<8
Hexachloroethane	ug/L			<8		<8			<8	<8	<8	<8
Hexachloropropene	ug/L			<8		<8			<8	<8	<8	<8
Indeno(1,2,3-cd)pyrene	ug/L			<8		<8			<8	<8	<8	<8
Isobutanol	ug/L			<1000		<1000			<1000	<1000	<1000	<1000
Isodrin	ug/L			<8		<8			<8	<8	<8	<8
Isophorone	ug/L			<8		<8			<8	<8	<8	<8
Isosafrole	ug/L			<8		<8			<8	<8	<8	<8
Kepone	ug/L			<8		<8			<8	<8	<8	<8
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L			<.5		<.5			<.5	<.5	<.5	<.5
Methacrylonitrile	ug/L			<1		<1			<1	<1	<1	<1
Methapyrene	ug/L			<8		<8			<8	<8	<8	<8
Methoxychlor	ug/L			<.05		<.05			<.05	<.05	<.05	<.05
Methyl iodide	ug/L	<1	<1	<2	<1	<2	<1	<1	<2	<2	<2	<2
Methyl methacrylate	ug/L			<1		<1			<1	<1	<1	<1
Methyl methanesulfonate	ug/L			<8		<8			<8	<8	<8	<8
Methyl parathion	ug/L			<.4		<.4			<.4	<.4	<.4	<.4
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L			<8		<8			<8	<8	<8	<8
Nickel, total	ug/L	<4.0	<4.0	<4.0	<4.0	8.8	<4.0	<4.0	<4.0	14.2	<4.0	5.3
Nitrobenzene	ug/L			<8		<8			<8	<8	<8	<8
N-nitrosodiethylamine	ug/L			<8		<8			<8	<8	<8	<8
N-nitrosodimethylamine	ug/L			<8		<8			<8	<8	<8	<8
N-nitrosodi-n-butylamine	ug/L			<8		<8			<8	<8	<8	<8
N-nitroso-di-n-propylamine	ug/L			<8		<8			<8	<8	<8	<8
N-nitrosodiphenylamine	ug/L			<8		<8			<8	<8	<8	<8
N-nitrosomethylethylamine	ug/L			<8		<8			<8	<8	<8	<8
N-nitrosopiperidine	ug/L			<8		<8			<8	<8	<8	<8
N-nitrosopyrrolidine	ug/L			<8		<8			<8	<8	<8	<8
O,o,o-triethyl phosphorothioate	ug/L			<.4		<.4			<.4	<.4	<.4	<.4
O-toluidine	ug/L			<8		<8			<8	<8	<8	<8
P-(dimethylamino)azobenzene	ug/L			<8		<8			<8	<8	<8	<8
Parathion	ug/L			<.4		<.4			<.4	<.4	<.4	<.4
Pentachlorobenzene	ug/L			<8		<8			<8	<8	<8	<8
Pentachloronitrobenzene (pcnb)	ug/L			<8		<8			<8	<8	<8	<8
Pentachlorophenol	ug/L			<8		<8			<8	<8	<8	<8
Phenacetin	ug/L			<8		<8			<8	<8	<8	<8
Phenanthrene	ug/L			<8		<8			<8	<8	<8	<8
Phenol	ug/L			<8		<8			<8	<8	<8	<8
Phorate	ug/L			<.4		<.4			<.4	<.4	<.4	<.4
Pronamide	ug/L			<8		<8			<8	<8	<8	<8
Propionitrile	ug/L			<10		<10			<10	<10	<10	<10
Pyrene	ug/L			<8		<8			<8	<8	<8	<8
Safrole	ug/L			<8		<8			<8	<8	<8	<8
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L			<.1		<.1			<.1	<.1	<.1	<.1
Tetrachloroethylene	ug/L	<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
Thionazin	ug/L			<.4		<.4			<.4	<.4	<.4	<.4
Tin, total	ug/L			<20		<20			<20	<20	<20	<20
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L			<.2		<.2			<.2	<.2	<.2	<.2
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<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
Vinyl chloride	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20

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

Table 1

Analytical Data Summary for 3/12/2025

Constituents	MW-61	MW-62R	MW-64	MW-65	MW-78	MW-79	MW-80	PECS-1	SW-101R	SW-102	SW-103
Hexachlorobutadiene		<8					<8				
Hexachlorocyclopentadiene		<8					<8				
Hexachloroethane		<8					<8				
Hexachloropropene		<8					<8				
Indeno(1,2,3-cd)pyrene		<8					<8				
Isobutanol		<1000					<1000				
Isodrin		<8					<8				
Isophorone		<8					<8				
Isosafrole		<8					<8				
Kepone		<8					<8				
Lead, total	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4
Mercury, total		<.5					<.5				
Methacrylonitrile		<1					<1				
Methapyrilene		<8					<8				
Methoxychlor		<.05					<.05				
Methyl iodide	<1	<2	<1	<1	<1	<1	<2	<1	<1	<1	<1
Methyl methacrylate		<1					<1				
Methyl methanesulfonate		<8					<8				
Methyl parathion		<.4					<.4				
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene		<8					<8				
Nickel, total	<4.0	<4.0	30.7	12.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0
Nitrobenzene		<8					<8				
N-nitrosodiethylamine		<8					<8				
N-nitrosodimethylamine		<8					<8				
N-nitrosodi-n-butylamine		<8					<8				
N-nitroso-di-n-propylamine		<8					<8				
N-nitrosodiphenylamine		<8					<8				
N-nitrosomethylethylamine		<8					<8				
N-nitrosopiperidine		<8					<8				
N-nitrosopyrrolidine		<8					<8				
O,o,o-triethyl phosphorothioate		<.4					<.4				
O-toluidine		<8					<8				
P-(dimethylamino)azobenzene		<8					<8				
Parathion		<.4					<.4				
Pentachlorobenzene		<8					<8				
Pentachloronitrobenzene (pcnb)		<8					<8				
Pentachlorophenol		<8					<8				
Phenacetin		<8					<8				
Phenanthrene		<8					<8				
Phenol		<8					<8				
Phorate		<.4					<.4				
Pronamide		<8					<8				
Propionitrile		<10					<10				
Pyrene		<8					<8				
Safrole		<8					<8				
Selenium, total	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total		<.1					<.1				
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2	<2	<2	<2	<2	<2	<2		<2	<2	<2
Thionazin		<.4					<.4				
Tin, total		<20					<20				
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene		<.2					<.2				
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<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	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<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	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<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-39	09/24/2014	ND	2.0000		
Antimony, total	ug/L	MW-39	12/05/2014	ND	2.0000		
Antimony, total	ug/L	MW-39	03/11/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	06/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	09/17/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	03/22/2016	ND	2.0000		
Antimony, total	ug/L	MW-39	09/15/2016	ND	2.0000		
Antimony, total	ug/L	MW-39	03/23/2017	ND	2.0000		
Antimony, total	ug/L	MW-39	09/08/2017	ND	2.0000		
Antimony, total	ug/L	MW-39	03/19/2018	ND	2.0000		
Antimony, total	ug/L	MW-39	09/11/2018	ND	2.0000		
Antimony, total	ug/L	MW-39	03/26/2019	ND	2.0000		
Antimony, total	ug/L	MW-39	09/04/2019	ND	2.0000		
Antimony, total	ug/L	MW-39	03/26/2020	ND	2.0000		
Antimony, total	ug/L	MW-39	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-39	03/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-39	09/07/2021	ND	2.0000		
Antimony, total	ug/L	MW-39	03/24/2022	ND	2.0000		
Antimony, total	ug/L	MW-39	08/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-39	03/02/2023	ND	2.0000		
Antimony, total	ug/L	MW-39	09/12/2023	ND	2.0000		
Antimony, total	ug/L	MW-39	03/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-39	09/23/2024	ND	2.0000		
Antimony, total	ug/L	MW-39	03/12/2025	ND	2.0000		
Arsenic, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Arsenic, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Arsenic, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Barium, total	ug/L	MW-39	09/24/2014		60.6000		
Barium, total	ug/L	MW-39	12/05/2014		139.0000		
Barium, total	ug/L	MW-39	03/11/2015		136.0000		
Barium, total	ug/L	MW-39	06/16/2015		148.0000		
Barium, total	ug/L	MW-39	09/17/2015		128.0000		
Barium, total	ug/L	MW-39	03/22/2016		123.0000		
Barium, total	ug/L	MW-39	09/15/2016		103.0000		
Barium, total	ug/L	MW-39	03/23/2017		129.0000		
Barium, total	ug/L	MW-39	09/08/2017		117.0000		
Barium, total	ug/L	MW-39	03/19/2018		131.0000		
Barium, total	ug/L	MW-39	09/11/2018		114.0000		
Barium, total	ug/L	MW-39	03/26/2019		121.0000		
Barium, total	ug/L	MW-39	09/04/2019		138.0000		
Barium, total	ug/L	MW-39	03/26/2020		150.0000		
Barium, total	ug/L	MW-39	09/15/2020		136.0000		
Barium, total	ug/L	MW-39	03/02/2021		125.0000		
Barium, total	ug/L	MW-39	09/07/2021		141.0000		
Barium, total	ug/L	MW-39	03/24/2022		137.0000		
Barium, total	ug/L	MW-39	08/31/2022		132.0000		
Barium, total	ug/L	MW-39	03/02/2023		134.0000		
Barium, total	ug/L	MW-39	09/12/2023		133.0000		
Barium, total	ug/L	MW-39	03/04/2024		128.0000		
Barium, total	ug/L	MW-39	09/23/2024		119.0000		
Barium, total	ug/L	MW-39	03/12/2025		135.0000		
Beryllium, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Beryllium, total	ug/L	MW-39	12/05/2014	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Beryllium, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Cadmium, total	ug/L	MW-39	09/24/2014	ND	0.8000		
Cadmium, total	ug/L	MW-39	12/05/2014	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/11/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	06/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/17/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/22/2016	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/15/2016	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/23/2017	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/08/2017	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/19/2018	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/11/2018	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/26/2019	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/04/2019	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/26/2020	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/02/2021	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/07/2021	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/24/2022	ND	0.8000		
Cadmium, total	ug/L	MW-39	08/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/02/2023	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/12/2023	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/23/2024	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/12/2025	ND	0.8000		
Chromium, total	ug/L	MW-39	09/24/2014	ND	8.0000		
Chromium, total	ug/L	MW-39	12/05/2014	ND	8.0000		
Chromium, total	ug/L	MW-39	03/11/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	06/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	09/17/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	03/22/2016	ND	8.0000		
Chromium, total	ug/L	MW-39	09/15/2016	ND	8.0000		
Chromium, total	ug/L	MW-39	03/23/2017	ND	8.0000		
Chromium, total	ug/L	MW-39	09/08/2017	ND	8.0000		
Chromium, total	ug/L	MW-39	03/19/2018	ND	8.0000		
Chromium, total	ug/L	MW-39	09/11/2018	ND	8.0000		
Chromium, total	ug/L	MW-39	03/26/2019	ND	8.0000		
Chromium, total	ug/L	MW-39	09/04/2019	ND	8.0000		
Chromium, total	ug/L	MW-39	03/26/2020	ND	8.0000		
Chromium, total	ug/L	MW-39	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-39	03/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-39	09/07/2021	ND	8.0000		
Chromium, total	ug/L	MW-39	03/24/2022	ND	8.0000		
Chromium, total	ug/L	MW-39	08/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-39	03/02/2023	ND	8.0000		
Chromium, total	ug/L	MW-39	09/12/2023	ND	8.0000		
Chromium, total	ug/L	MW-39	03/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-39	09/23/2024	ND	8.0000		
Chromium, total	ug/L	MW-39	03/12/2025	ND	8.0000		
Cobalt, total	ug/L	MW-39	09/24/2014	ND	0.8000		
Cobalt, total	ug/L	MW-39	12/05/2014	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/11/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	06/16/2015	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-39	09/17/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/22/2016	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/15/2016	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/23/2017	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/08/2017	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/19/2018	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/11/2018	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/26/2019	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/04/2019	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/26/2020	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/15/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	03/02/2021		0.8000		
Cobalt, total	ug/L	MW-39	09/07/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	03/24/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	08/31/2022		0.8000		
Cobalt, total	ug/L	MW-39	03/02/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	09/12/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	03/04/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	09/23/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	03/12/2025	ND	0.4000	0.8000	**
Copper, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Copper, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Copper, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Copper, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Copper, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Copper, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Copper, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Copper, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Copper, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Copper, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Copper, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Copper, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Copper, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Copper, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Copper, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Copper, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Copper, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Copper, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Copper, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Copper, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Copper, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Copper, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Copper, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Lead, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Lead, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Lead, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Lead, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Lead, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Lead, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Lead, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Lead, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Lead, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Lead, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Lead, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Lead, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Lead, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Lead, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Lead, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Lead, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Lead, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Lead, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Lead, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Lead, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Lead, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Lead, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Lead, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Nickel, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Nickel, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Nickel, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	03/22/2016	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-39	09/15/2016	ND	4.0000		
Nickel, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Nickel, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Nickel, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Nickel, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Nickel, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Nickel, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Nickel, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Nickel, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Nickel, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Nickel, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Nickel, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Nickel, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Nickel, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Nickel, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Nickel, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Selenium, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Selenium, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Selenium, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Selenium, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Selenium, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Selenium, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Selenium, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Selenium, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Selenium, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Selenium, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Selenium, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Selenium, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Selenium, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Selenium, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Selenium, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Selenium, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Selenium, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Selenium, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Selenium, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Silver, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Silver, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Silver, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Silver, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Silver, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Silver, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Silver, total	ug/L	MW-39	09/15/2016		6.4000		
Silver, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Silver, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Silver, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Silver, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Silver, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Silver, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Silver, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Silver, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Silver, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Silver, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Silver, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Silver, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Silver, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Silver, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Silver, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Silver, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Thallium, total	ug/L	MW-39	09/24/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	12/05/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	03/11/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	06/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	09/17/2015		2.4000		
Thallium, total	ug/L	MW-39	03/22/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	09/15/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	03/23/2017	ND	4.0000	2.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-39	09/08/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	03/19/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	09/11/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	03/26/2019	ND	2.0000		
Thallium, total	ug/L	MW-39	09/04/2019	ND	2.0000		
Thallium, total	ug/L	MW-39	03/26/2020	ND	2.0000		
Thallium, total	ug/L	MW-39	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-39	03/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-39	09/07/2021	ND	2.0000		
Thallium, total	ug/L	MW-39	03/24/2022	ND	2.0000		
Thallium, total	ug/L	MW-39	08/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-39	03/02/2023	ND	2.0000		
Thallium, total	ug/L	MW-39	09/12/2023	ND	2.0000		
Thallium, total	ug/L	MW-39	03/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-39	09/23/2024	ND	2.0000		
Thallium, total	ug/L	MW-39	03/12/2025	ND	2.0000		
Vanadium, total	ug/L	MW-39	09/24/2014	ND	20.0000		
Vanadium, total	ug/L	MW-39	12/05/2014	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/11/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	06/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/17/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/22/2016	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/15/2016	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/23/2017	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/08/2017	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/19/2018	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/11/2018	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/26/2019	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/04/2019	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/26/2020	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/07/2021	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/24/2022	ND	20.0000		
Vanadium, total	ug/L	MW-39	08/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/02/2023	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/12/2023	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/23/2024	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/12/2025	ND	20.0000		
Zinc, total	ug/L	MW-39	09/24/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	12/05/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	03/11/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	06/16/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	09/17/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	03/22/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	09/15/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	03/23/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	09/08/2017	ND	20.0000		
Zinc, total	ug/L	MW-39	03/19/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	09/11/2018	ND	20.0000		
Zinc, total	ug/L	MW-39	03/26/2019		24.6000		
Zinc, total	ug/L	MW-39	09/04/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	03/26/2020	ND	20.0000		
Zinc, total	ug/L	MW-39	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-39	03/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-39	09/07/2021	ND	20.0000		
Zinc, total	ug/L	MW-39	03/24/2022	ND	20.0000		
Zinc, total	ug/L	MW-39	08/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-39	03/02/2023	ND	20.0000		
Zinc, total	ug/L	MW-39	09/12/2023	ND	20.0000		
Zinc, total	ug/L	MW-39	03/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-39	09/23/2024	ND	20.0000		
Zinc, total	ug/L	MW-39	03/12/2025	ND	20.0000		
Antimony, total	ug/L	MW-48	09/24/2014	ND	2.0000		
Antimony, total	ug/L	MW-48	12/05/2014	ND	2.0000		
Antimony, total	ug/L	MW-48	03/11/2015	ND	2.0000		
Antimony, total	ug/L	MW-48	06/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-48	09/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-48	03/22/2016	ND	2.0000		
Antimony, total	ug/L	MW-48	09/14/2016	ND	2.0000		
Antimony, total	ug/L	MW-48	03/23/2017	ND	2.0000		
Antimony, total	ug/L	MW-48	09/08/2017	ND	2.0000		
Antimony, total	ug/L	MW-48	03/19/2018	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-48	09/11/2018	ND	2.0000		
Antimony, total	ug/L	MW-48	03/26/2019	ND	2.0000		
Antimony, total	ug/L	MW-48	09/04/2019	ND	2.0000		
Antimony, total	ug/L	MW-48	03/26/2020	ND	2.0000		
Antimony, total	ug/L	MW-48	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-48	03/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-48	09/07/2021	ND	2.0000		
Antimony, total	ug/L	MW-48	03/24/2022	ND	2.0000		
Antimony, total	ug/L	MW-48	08/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-48	03/02/2023	ND	2.0000		
Antimony, total	ug/L	MW-48	09/12/2023	ND	2.0000		
Antimony, total	ug/L	MW-48	03/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-48	09/23/2024	ND	2.0000		
Antimony, total	ug/L	MW-48	03/12/2025	ND	2.0000		
Arsenic, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Arsenic, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Arsenic, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Arsenic, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Barium, total	ug/L	MW-48	09/24/2014		181.0000		
Barium, total	ug/L	MW-48	12/05/2014		168.0000		
Barium, total	ug/L	MW-48	03/11/2015		143.0000		
Barium, total	ug/L	MW-48	06/16/2015		161.0000		
Barium, total	ug/L	MW-48	09/16/2015		150.0000		
Barium, total	ug/L	MW-48	03/22/2016		153.0000		
Barium, total	ug/L	MW-48	09/14/2016		140.0000		
Barium, total	ug/L	MW-48	03/23/2017		146.0000		
Barium, total	ug/L	MW-48	09/08/2017		171.0000		
Barium, total	ug/L	MW-48	03/19/2018		145.0000		
Barium, total	ug/L	MW-48	09/11/2018		151.0000		
Barium, total	ug/L	MW-48	03/26/2019		153.0000		
Barium, total	ug/L	MW-48	09/04/2019		160.0000		
Barium, total	ug/L	MW-48	03/26/2020		156.0000		
Barium, total	ug/L	MW-48	09/15/2020		152.0000		
Barium, total	ug/L	MW-48	03/02/2021		159.0000		
Barium, total	ug/L	MW-48	09/07/2021		149.0000		
Barium, total	ug/L	MW-48	03/24/2022		143.0000		
Barium, total	ug/L	MW-48	08/31/2022		157.0000		
Barium, total	ug/L	MW-48	03/02/2023		149.0000		
Barium, total	ug/L	MW-48	09/12/2023		168.0000		
Barium, total	ug/L	MW-48	03/04/2024		149.0000		
Barium, total	ug/L	MW-48	09/23/2024		148.0000		
Barium, total	ug/L	MW-48	03/12/2025		153.0000		
Beryllium, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Beryllium, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Beryllium, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/26/2019	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Beryllium, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Cadmium, total	ug/L	MW-48	09/24/2014	ND	0.8000		
Cadmium, total	ug/L	MW-48	12/05/2014	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/11/2015	ND	0.8000		
Cadmium, total	ug/L	MW-48	06/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/22/2016	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/14/2016	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/23/2017	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/08/2017	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/19/2018	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/11/2018	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/26/2019	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/04/2019	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/26/2020	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/02/2021	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/07/2021	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/24/2022	ND	0.8000		
Cadmium, total	ug/L	MW-48	08/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/02/2023	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/12/2023	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/23/2024	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/12/2025	ND	0.8000		
Chromium, total	ug/L	MW-48	09/24/2014	ND	8.0000		
Chromium, total	ug/L	MW-48	12/05/2014	ND	8.0000		
Chromium, total	ug/L	MW-48	03/11/2015	ND	8.0000		
Chromium, total	ug/L	MW-48	06/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-48	09/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-48	03/22/2016	ND	8.0000		
Chromium, total	ug/L	MW-48	09/14/2016	ND	8.0000		
Chromium, total	ug/L	MW-48	03/23/2017	ND	8.0000		
Chromium, total	ug/L	MW-48	09/08/2017	ND	8.0000		
Chromium, total	ug/L	MW-48	03/19/2018	ND	8.0000		
Chromium, total	ug/L	MW-48	09/11/2018	ND	8.0000		
Chromium, total	ug/L	MW-48	03/26/2019	ND	8.0000		
Chromium, total	ug/L	MW-48	09/04/2019	ND	8.0000		
Chromium, total	ug/L	MW-48	03/26/2020	ND	8.0000		
Chromium, total	ug/L	MW-48	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-48	03/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-48	09/07/2021	ND	8.0000		
Chromium, total	ug/L	MW-48	03/24/2022	ND	8.0000		
Chromium, total	ug/L	MW-48	08/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-48	03/02/2023	ND	8.0000		
Chromium, total	ug/L	MW-48	09/12/2023	ND	8.0000		
Chromium, total	ug/L	MW-48	03/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-48	09/23/2024	ND	8.0000		
Chromium, total	ug/L	MW-48	03/12/2025	ND	8.0000		
Cobalt, total	ug/L	MW-48	09/24/2014	ND	0.8000		
Cobalt, total	ug/L	MW-48	12/05/2014	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/11/2015	ND	0.8000		
Cobalt, total	ug/L	MW-48	06/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/22/2016	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/14/2016	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/23/2017	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/08/2017	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/19/2018	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/11/2018	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/26/2019	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/04/2019	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/26/2020	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	
Cobalt, total	ug/L	MW-48	09/15/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/02/2021		0.9000		
Cobalt, total	ug/L	MW-48	09/07/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/24/2022		0.4000		
Cobalt, total	ug/L	MW-48	08/31/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/02/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	09/12/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/04/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	09/23/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/12/2025	ND	0.4000	0.8000	**
Copper, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Copper, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Copper, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Copper, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Copper, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Copper, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Copper, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Copper, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Copper, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Copper, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Copper, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Copper, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Copper, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Copper, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Copper, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Copper, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Copper, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Copper, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Copper, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Copper, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Copper, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Copper, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Copper, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Lead, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Lead, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Lead, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Lead, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Lead, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Lead, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Lead, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Lead, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Lead, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Lead, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Lead, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Lead, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Lead, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Lead, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Lead, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Lead, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Lead, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Lead, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Lead, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Lead, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Lead, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Lead, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Lead, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Nickel, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Nickel, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Nickel, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Nickel, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Nickel, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Nickel, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Nickel, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Nickel, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Nickel, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Nickel, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Nickel, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Nickel, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Nickel, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Nickel, total	ug/L	MW-48	03/02/2021	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Nickel, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Nickel, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Nickel, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Nickel, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Nickel, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Selenium, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Selenium, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Selenium, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Selenium, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Selenium, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Selenium, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Selenium, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Selenium, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Selenium, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Selenium, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Selenium, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Selenium, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Selenium, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Selenium, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Selenium, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Selenium, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Selenium, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Selenium, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Selenium, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Selenium, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Silver, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Silver, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Silver, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Silver, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Silver, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Silver, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Silver, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Silver, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Silver, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Silver, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Silver, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Silver, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Silver, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Silver, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Silver, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Silver, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Silver, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Silver, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Silver, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Silver, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Silver, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Silver, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Silver, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Thallium, total	ug/L	MW-48	09/24/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	12/05/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/11/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	06/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	09/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/22/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	09/14/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/23/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	09/08/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/19/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	09/11/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/26/2019	ND	2.0000		
Thallium, total	ug/L	MW-48	09/04/2019	ND	2.0000		
Thallium, total	ug/L	MW-48	03/26/2020	ND	2.0000		
Thallium, total	ug/L	MW-48	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-48	03/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-48	09/07/2021	ND	2.0000		
Thallium, total	ug/L	MW-48	03/24/2022	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-48	08/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-48	03/02/2023	ND	2.0000		
Thallium, total	ug/L	MW-48	09/12/2023	ND	2.0000		
Thallium, total	ug/L	MW-48	03/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-48	09/23/2024	ND	2.0000		
Thallium, total	ug/L	MW-48	03/12/2025	ND	2.0000		
Vanadium, total	ug/L	MW-48	09/24/2014	ND	20.0000		
Vanadium, total	ug/L	MW-48	12/05/2014	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/11/2015	ND	20.0000		
Vanadium, total	ug/L	MW-48	06/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/22/2016	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/14/2016	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/23/2017	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/08/2017	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/19/2018	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/11/2018	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/26/2019	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/04/2019	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/26/2020	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/07/2021	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/24/2022	ND	20.0000		
Vanadium, total	ug/L	MW-48	08/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/02/2023	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/12/2023	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/23/2024	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/12/2025	ND	20.0000		
Zinc, total	ug/L	MW-48	09/24/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	12/05/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	03/11/2015		32.3000		
Zinc, total	ug/L	MW-48	06/16/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/16/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	03/22/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/14/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	03/23/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/08/2017	ND	20.0000		
Zinc, total	ug/L	MW-48	03/19/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/11/2018	ND	20.0000		
Zinc, total	ug/L	MW-48	03/26/2019	ND	20.0000		
Zinc, total	ug/L	MW-48	09/04/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	03/26/2020	ND	20.0000		
Zinc, total	ug/L	MW-48	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-48	03/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-48	09/07/2021	ND	20.0000		
Zinc, total	ug/L	MW-48	03/24/2022	ND	20.0000		
Zinc, total	ug/L	MW-48	08/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-48	03/02/2023	ND	20.0000		
Zinc, total	ug/L	MW-48	09/12/2023	ND	20.0000		
Zinc, total	ug/L	MW-48	03/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-48	09/23/2024	ND	20.0000		
Zinc, total	ug/L	MW-48	03/12/2025	ND	20.0000		
Antimony, total	ug/L	MW-78	09/24/2014	ND	2.0000		
Antimony, total	ug/L	MW-78	12/05/2014	ND	2.0000		
Antimony, total	ug/L	MW-78	03/11/2015	ND	2.0000		
Antimony, total	ug/L	MW-78	06/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-78	09/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-78	03/22/2016	ND	2.0000		
Antimony, total	ug/L	MW-78	09/15/2016	ND	2.0000		
Antimony, total	ug/L	MW-78	03/23/2017	ND	2.0000		
Antimony, total	ug/L	MW-78	09/08/2017	ND	2.0000		
Antimony, total	ug/L	MW-78	03/19/2018	ND	2.0000		
Antimony, total	ug/L	MW-78	09/11/2018	ND	2.0000		
Antimony, total	ug/L	MW-78	03/26/2019	ND	2.0000		
Antimony, total	ug/L	MW-78	09/04/2019	ND	2.0000		
Antimony, total	ug/L	MW-78	03/26/2020	ND	2.0000		
Antimony, total	ug/L	MW-78	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-78	03/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-78	09/07/2021	ND	2.0000		
Antimony, total	ug/L	MW-78	03/24/2022	ND	2.0000		
Antimony, total	ug/L	MW-78	08/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-78	03/02/2023	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-78	09/12/2023	ND	2.0000		
Antimony, total	ug/L	MW-78	03/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-78	09/23/2024	ND	2.0000		
Antimony, total	ug/L	MW-78	03/12/2025	ND	2.0000		
Arsenic, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Arsenic, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Arsenic, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Arsenic, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Barium, total	ug/L	MW-78	09/24/2014		304.0000		
Barium, total	ug/L	MW-78	12/05/2014		291.0000		
Barium, total	ug/L	MW-78	03/11/2015		304.0000		
Barium, total	ug/L	MW-78	06/16/2015		329.0000		
Barium, total	ug/L	MW-78	09/16/2015		298.0000		
Barium, total	ug/L	MW-78	03/22/2016		309.0000		
Barium, total	ug/L	MW-78	09/15/2016		311.0000		
Barium, total	ug/L	MW-78	03/23/2017		307.0000		
Barium, total	ug/L	MW-78	09/08/2017		357.0000		
Barium, total	ug/L	MW-78	03/19/2018		320.0000		
Barium, total	ug/L	MW-78	09/11/2018		295.0000		
Barium, total	ug/L	MW-78	03/26/2019		285.0000		
Barium, total	ug/L	MW-78	09/04/2019		332.0000		
Barium, total	ug/L	MW-78	03/26/2020		304.0000		
Barium, total	ug/L	MW-78	09/15/2020		319.0000		
Barium, total	ug/L	MW-78	03/02/2021		304.0000		
Barium, total	ug/L	MW-78	09/07/2021		332.0000		
Barium, total	ug/L	MW-78	03/24/2022		291.0000		
Barium, total	ug/L	MW-78	08/31/2022		340.0000		
Barium, total	ug/L	MW-78	03/02/2023		345.0000		
Barium, total	ug/L	MW-78	09/12/2023		309.0000		
Barium, total	ug/L	MW-78	03/04/2024		341.0000		
Barium, total	ug/L	MW-78	09/23/2024		284.0000		
Barium, total	ug/L	MW-78	03/12/2025		283.0000		
Beryllium, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Beryllium, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Beryllium, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Beryllium, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/04/2024	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Cadmium, total	ug/L	MW-78	09/24/2014	ND	0.8000		
Cadmium, total	ug/L	MW-78	12/05/2014	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/11/2015	ND	0.8000		
Cadmium, total	ug/L	MW-78	06/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/22/2016	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/15/2016	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/23/2017	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/08/2017	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/19/2018	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/11/2018	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/26/2019	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/04/2019	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/26/2020	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/02/2021	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/07/2021	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/24/2022	ND	0.8000		
Cadmium, total	ug/L	MW-78	08/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/02/2023	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/12/2023	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/23/2024	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/12/2025	ND	0.8000		
Chromium, total	ug/L	MW-78	09/24/2014	ND	8.0000		
Chromium, total	ug/L	MW-78	12/05/2014	ND	8.0000		
Chromium, total	ug/L	MW-78	03/11/2015	ND	8.0000		
Chromium, total	ug/L	MW-78	06/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-78	09/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-78	03/22/2016	ND	8.0000		
Chromium, total	ug/L	MW-78	09/15/2016	ND	8.0000		
Chromium, total	ug/L	MW-78	03/23/2017	ND	8.0000		
Chromium, total	ug/L	MW-78	09/08/2017	ND	8.0000		
Chromium, total	ug/L	MW-78	03/19/2018	ND	8.0000		
Chromium, total	ug/L	MW-78	09/11/2018	ND	8.0000		
Chromium, total	ug/L	MW-78	03/26/2019	ND	8.0000		
Chromium, total	ug/L	MW-78	09/04/2019	ND	8.0000		
Chromium, total	ug/L	MW-78	03/26/2020	ND	8.0000		
Chromium, total	ug/L	MW-78	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-78	03/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-78	09/07/2021	ND	8.0000		
Chromium, total	ug/L	MW-78	03/24/2022	ND	8.0000		
Chromium, total	ug/L	MW-78	08/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-78	03/02/2023	ND	8.0000		
Chromium, total	ug/L	MW-78	09/12/2023	ND	8.0000		
Chromium, total	ug/L	MW-78	03/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-78	09/23/2024	ND	8.0000		
Chromium, total	ug/L	MW-78	03/12/2025	ND	8.0000		
Cobalt, total	ug/L	MW-78	09/24/2014	ND	0.8000		
Cobalt, total	ug/L	MW-78	12/05/2014	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/11/2015	ND	0.8000		
Cobalt, total	ug/L	MW-78	06/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/22/2016	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/15/2016	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/23/2017	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/08/2017	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/19/2018	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/11/2018	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/26/2019	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/04/2019	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/26/2020	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/15/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/02/2021		1.0000		
Cobalt, total	ug/L	MW-78	09/07/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/24/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	08/31/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/02/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	09/12/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/04/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	09/23/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/12/2025	ND	0.4000	0.8000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Copper, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Copper, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Copper, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Copper, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Copper, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Copper, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Copper, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Copper, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Copper, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Copper, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Copper, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Copper, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Copper, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Copper, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Copper, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Copper, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Copper, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Copper, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Copper, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Copper, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Copper, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Copper, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Lead, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Lead, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Lead, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Lead, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Lead, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Lead, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Lead, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Lead, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Lead, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Lead, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Lead, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Lead, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Lead, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Lead, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Lead, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Lead, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Lead, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Lead, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Lead, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Lead, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Lead, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Lead, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Lead, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Nickel, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Nickel, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Nickel, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Nickel, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Nickel, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Nickel, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Nickel, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Nickel, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Nickel, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Nickel, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Nickel, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Nickel, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Nickel, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Nickel, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Nickel, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Nickel, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Nickel, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Nickel, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Nickel, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Nickel, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Selenium, total	ug/L	MW-78	09/24/2014		5.4000		
Selenium, total	ug/L	MW-78	12/05/2014		5.6000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-78	03/11/2015		6.5000		
Selenium, total	ug/L	MW-78	06/16/2015		8.6000		
Selenium, total	ug/L	MW-78	09/16/2015		8.1000		
Selenium, total	ug/L	MW-78	03/22/2016		8.9000		
Selenium, total	ug/L	MW-78	09/15/2016		9.4000		
Selenium, total	ug/L	MW-78	03/23/2017		10.6000		
Selenium, total	ug/L	MW-78	09/08/2017		6.9000		
Selenium, total	ug/L	MW-78	03/19/2018		8.3000		
Selenium, total	ug/L	MW-78	09/11/2018		5.6000		
Selenium, total	ug/L	MW-78	03/26/2019		9.5000		
Selenium, total	ug/L	MW-78	09/04/2019		6.8000		
Selenium, total	ug/L	MW-78	03/26/2020		5.4000		
Selenium, total	ug/L	MW-78	09/15/2020		8.5000		
Selenium, total	ug/L	MW-78	03/02/2021		9.4000		
Selenium, total	ug/L	MW-78	09/07/2021		4.9000		
Selenium, total	ug/L	MW-78	03/24/2022		6.3000		
Selenium, total	ug/L	MW-78	08/31/2022		6.2000		
Selenium, total	ug/L	MW-78	03/02/2023		7.9000		
Selenium, total	ug/L	MW-78	09/12/2023		5.8000		
Selenium, total	ug/L	MW-78	03/04/2024		5.7000		
Selenium, total	ug/L	MW-78	09/23/2024		4.1000		
Selenium, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Silver, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Silver, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Silver, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Silver, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Silver, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Silver, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Silver, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Silver, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Silver, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Silver, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Silver, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Silver, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Silver, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Silver, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Silver, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Silver, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Silver, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Silver, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Silver, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Silver, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Silver, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Silver, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Silver, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Thallium, total	ug/L	MW-78	09/24/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	12/05/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/11/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	06/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	09/16/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/22/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	09/15/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/23/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	09/08/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/19/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	09/11/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/26/2019	ND	2.0000		
Thallium, total	ug/L	MW-78	09/04/2019	ND	2.0000		
Thallium, total	ug/L	MW-78	03/26/2020	ND	2.0000		
Thallium, total	ug/L	MW-78	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-78	03/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-78	09/07/2021	ND	2.0000		
Thallium, total	ug/L	MW-78	03/24/2022	ND	2.0000		
Thallium, total	ug/L	MW-78	08/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-78	03/02/2023	ND	2.0000		
Thallium, total	ug/L	MW-78	09/12/2023	ND	2.0000		
Thallium, total	ug/L	MW-78	03/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-78	09/23/2024	ND	2.0000		
Thallium, total	ug/L	MW-78	03/12/2025	ND	2.0000		
Vanadium, total	ug/L	MW-78	09/24/2014	ND	20.0000		
Vanadium, total	ug/L	MW-78	12/05/2014	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/11/2015	ND	20.0000		
Vanadium, total	ug/L	MW-78	06/16/2015	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-78	09/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/22/2016	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/15/2016	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/23/2017	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/08/2017	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/19/2018	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/11/2018	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/26/2019	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/04/2019	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/26/2020	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/07/2021	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/24/2022	ND	20.0000		
Vanadium, total	ug/L	MW-78	08/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/02/2023	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/12/2023	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/23/2024	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/12/2025	ND	20.0000		
Zinc, total	ug/L	MW-78	09/24/2014		10.7000		
Zinc, total	ug/L	MW-78	12/05/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	03/11/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	06/16/2015		8.4000		
Zinc, total	ug/L	MW-78	09/16/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	03/22/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	09/15/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	03/23/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	09/08/2017	ND	20.0000		
Zinc, total	ug/L	MW-78	03/19/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	09/11/2018	ND	20.0000		
Zinc, total	ug/L	MW-78	03/26/2019	ND	20.0000		
Zinc, total	ug/L	MW-78	09/04/2019		17.6000		
Zinc, total	ug/L	MW-78	03/26/2020	ND	20.0000		
Zinc, total	ug/L	MW-78	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-78	03/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-78	09/07/2021	ND	20.0000		
Zinc, total	ug/L	MW-78	03/24/2022	ND	20.0000		
Zinc, total	ug/L	MW-78	08/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-78	03/02/2023	ND	20.0000		
Zinc, total	ug/L	MW-78	09/12/2023	ND	20.0000		
Zinc, total	ug/L	MW-78	03/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-78	09/23/2024	ND	20.0000		
Zinc, total	ug/L	MW-78	03/12/2025	ND	20.0000		
Antimony, total	ug/L	SW-101	09/14/2016	ND	2.0000		
Antimony, total	ug/L	SW-101	03/23/2017	ND	2.0000		
Antimony, total	ug/L	SW-101	09/08/2017	ND	2.0000		
Antimony, total	ug/L	SW-101	03/19/2018	ND	2.0000		
Antimony, total	ug/L	SW-101	09/11/2018	ND	2.0000		
Antimony, total	ug/L	SW-101	03/26/2019	ND	2.0000		
Antimony, total	ug/L	SW-101	09/04/2019	ND	2.0000		
Arsenic, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Arsenic, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Arsenic, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Arsenic, total	ug/L	SW-101	03/19/2018		4.4000		
Arsenic, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Arsenic, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Arsenic, total	ug/L	SW-101	09/04/2019		7.3000		
Barium, total	ug/L	SW-101	09/14/2016		188.0000		
Barium, total	ug/L	SW-101	03/23/2017		233.0000		
Barium, total	ug/L	SW-101	09/08/2017		272.0000		
Barium, total	ug/L	SW-101	03/19/2018		162.0000		
Barium, total	ug/L	SW-101	09/11/2018		127.0000		
Barium, total	ug/L	SW-101	03/26/2019		160.0000		
Barium, total	ug/L	SW-101	09/04/2019		256.0000		
Beryllium, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Beryllium, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Beryllium, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Beryllium, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Beryllium, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Beryllium, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Beryllium, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Cadmium, total	ug/L	SW-101	09/14/2016	ND	0.8000		
Cadmium, total	ug/L	SW-101	03/23/2017	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	SW-101	09/08/2017	ND	0.8000		
Cadmium, total	ug/L	SW-101	03/19/2018	ND	0.8000		
Cadmium, total	ug/L	SW-101	09/11/2018	ND	0.8000		
Cadmium, total	ug/L	SW-101	03/26/2019	ND	0.8000		
Cadmium, total	ug/L	SW-101	09/04/2019	ND	0.8000		
Chromium, total	ug/L	SW-101	09/14/2016	ND	8.0000		
Chromium, total	ug/L	SW-101	03/23/2017	ND	8.0000		
Chromium, total	ug/L	SW-101	09/08/2017	ND	8.0000		
Chromium, total	ug/L	SW-101	03/19/2018	ND	8.0000		
Chromium, total	ug/L	SW-101	09/11/2018	ND	8.0000		
Chromium, total	ug/L	SW-101	03/26/2019	ND	8.0000		
Chromium, total	ug/L	SW-101	09/04/2019	ND	8.0000		
Cobalt, total	ug/L	SW-101	09/14/2016		4.5000		
Cobalt, total	ug/L	SW-101	03/23/2017		4.2000		
Cobalt, total	ug/L	SW-101	09/08/2017		6.9000		
Cobalt, total	ug/L	SW-101	03/19/2018		2.3000		
Cobalt, total	ug/L	SW-101	09/11/2018		1.9000		
Cobalt, total	ug/L	SW-101	03/26/2019		1.8000		
Cobalt, total	ug/L	SW-101	09/04/2019		5.9000		
Copper, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Copper, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Copper, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Copper, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Copper, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Copper, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Copper, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Lead, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Lead, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Lead, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Lead, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Lead, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Lead, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Lead, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Nickel, total	ug/L	SW-101	09/14/2016		8.7000		
Nickel, total	ug/L	SW-101	03/23/2017		5.4000		
Nickel, total	ug/L	SW-101	09/08/2017		8.6000		
Nickel, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Nickel, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Nickel, total	ug/L	SW-101	03/26/2019		4.2000		
Nickel, total	ug/L	SW-101	09/04/2019		7.5000		
Selenium, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Selenium, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Selenium, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Selenium, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Selenium, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Selenium, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Selenium, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Silver, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Silver, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Silver, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Silver, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Silver, total	ug/L	SW-101	09/11/2018	ND	8.0000	4.0000	**
Silver, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Silver, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Thallium, total	ug/L	SW-101	09/14/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	03/23/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	09/08/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	03/19/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	09/11/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	03/26/2019	ND	2.0000		
Thallium, total	ug/L	SW-101	09/04/2019	ND	2.0000		
Vanadium, total	ug/L	SW-101	09/14/2016	ND	20.0000		
Vanadium, total	ug/L	SW-101	03/23/2017	ND	20.0000		
Vanadium, total	ug/L	SW-101	09/08/2017	ND	20.0000		
Vanadium, total	ug/L	SW-101	03/19/2018	ND	20.0000		
Vanadium, total	ug/L	SW-101	09/11/2018	ND	20.0000		
Vanadium, total	ug/L	SW-101	03/26/2019	ND	20.0000		
Vanadium, total	ug/L	SW-101	09/04/2019	ND	20.0000		
Zinc, total	ug/L	SW-101	09/14/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	SW-101	03/23/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	SW-101	09/08/2017	ND	20.0000		
Zinc, total	ug/L	SW-101	03/19/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	SW-101	09/11/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	SW-101	03/26/2019	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	SW-101	09/04/2019	ND	8.0000	20.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, total	ug/L	MW-36	03/12/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-36	03/12/2025	ND	4.0000		7.3000
Barium, total	ug/L	MW-36	03/12/2025		76.3000		357.0000
Beryllium, total	ug/L	MW-36	03/12/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-36	03/12/2025	ND	0.8000		0.8000
Chromium, total	ug/L	MW-36	03/12/2025	ND	8.0000		8.0000
Cobalt, total	ug/L	MW-36	03/12/2025	ND	0.4000		6.9000
Copper, total	ug/L	MW-36	03/12/2025	ND	4.0000		4.0000
Lead, total	ug/L	MW-36	03/12/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-36	03/12/2025	ND	4.0000		8.7000
Selenium, total	ug/L	MW-36	03/12/2025	ND	4.0000		10.6000
Silver, total	ug/L	MW-36	03/12/2025	ND	4.0000		6.4000
Thallium, total	ug/L	MW-36	03/12/2025	ND	2.0000		2.4000
Vanadium, total	ug/L	MW-36	03/12/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-36	03/12/2025	ND	20.0000		32.3000
Antimony, total	ug/L	MW-41	03/12/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-41	03/12/2025	ND	4.0000		7.3000
Barium, total	ug/L	MW-41	03/12/2025		73.1000		357.0000
Beryllium, total	ug/L	MW-41	03/12/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-41	03/12/2025	ND	0.8000		0.8000
Chromium, total	ug/L	MW-41	03/12/2025	ND	8.0000		8.0000
Cobalt, total	ug/L	MW-41	03/12/2025	ND	0.4000		6.9000
Copper, total	ug/L	MW-41	03/12/2025	ND	4.0000		4.0000
Lead, total	ug/L	MW-41	03/12/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-41	03/12/2025	ND	4.0000		8.7000
Selenium, total	ug/L	MW-41	03/12/2025	ND	4.0000		10.6000
Silver, total	ug/L	MW-41	03/12/2025	ND	4.0000		6.4000
Thallium, total	ug/L	MW-41	03/12/2025	ND	2.0000		2.4000
Vanadium, total	ug/L	MW-41	03/12/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-41	03/12/2025	ND	20.0000		32.3000
Antimony, total	ug/L	MW-42	03/12/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-42	03/12/2025	ND	4.0000		7.3000
Barium, total	ug/L	MW-42	03/12/2025		18.1000		357.0000
Beryllium, total	ug/L	MW-42	03/12/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-42	03/12/2025	ND	0.8000		0.8000
Chromium, total	ug/L	MW-42	03/12/2025	ND	8.0000		8.0000
Cobalt, total	ug/L	MW-42	03/12/2025	ND	0.4000		6.9000
Copper, total	ug/L	MW-42	03/12/2025	ND	4.0000		4.0000
Lead, total	ug/L	MW-42	03/12/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-42	03/12/2025	ND	4.0000		8.7000
Selenium, total	ug/L	MW-42	03/12/2025	ND	4.0000		10.6000
Silver, total	ug/L	MW-42	03/12/2025	ND	4.0000		6.4000
Thallium, total	ug/L	MW-42	03/12/2025	ND	2.0000		2.4000
Vanadium, total	ug/L	MW-42	03/12/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-42	03/12/2025	ND	20.0000		32.3000
Antimony, total	ug/L	MW-58	03/12/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-58	03/12/2025	ND	4.0000		7.3000
Barium, total	ug/L	MW-58	03/12/2025		21.4000		357.0000
Beryllium, total	ug/L	MW-58	03/12/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-58	03/12/2025	ND	0.8000		0.8000
Chromium, total	ug/L	MW-58	03/12/2025	ND	8.0000		8.0000
Cobalt, total	ug/L	MW-58	03/12/2025	ND	0.4000		6.9000
Copper, total	ug/L	MW-58	03/12/2025	ND	4.0000		4.0000
Lead, total	ug/L	MW-58	03/12/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-58	03/12/2025		14.2000	***	8.7000
Selenium, total	ug/L	MW-58	03/12/2025	ND	4.0000		10.6000
Silver, total	ug/L	MW-58	03/12/2025	ND	4.0000		6.4000
Thallium, total	ug/L	MW-58	03/12/2025	ND	2.0000		2.4000
Vanadium, total	ug/L	MW-58	03/12/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-58	03/12/2025	ND	20.0000		32.3000
Antimony, total	ug/L	MW-59	03/12/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-59	03/12/2025	ND	4.0000		7.3000
Barium, total	ug/L	MW-59	03/12/2025		24.8000		357.0000
Beryllium, total	ug/L	MW-59	03/12/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-59	03/12/2025	ND	0.8000		0.8000
Chromium, total	ug/L	MW-59	03/12/2025	ND	8.0000		8.0000
Cobalt, total	ug/L	MW-59	03/12/2025	ND	0.4000		6.9000
Copper, total	ug/L	MW-59	03/12/2025		6.7000	*	4.0000
Lead, total	ug/L	MW-59	03/12/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-59	03/12/2025	ND	4.0000		8.7000
Selenium, total	ug/L	MW-59	03/12/2025	ND	4.0000		10.6000
Silver, total	ug/L	MW-59	03/12/2025	ND	4.0000		6.4000

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Thallium, total	ug/L	MW-59	03/12/2025	ND	2.0000		2.4000
Vanadium, total	ug/L	MW-59	03/12/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-59	03/12/2025	ND	20.0000		32.3000
Antimony, total	ug/L	MW-60	03/12/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-60	03/12/2025	ND	4.0000		7.3000
Barium, total	ug/L	MW-60	03/12/2025		146.0000		357.0000
Beryllium, total	ug/L	MW-60	03/12/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-60	03/12/2025	ND	0.8000		0.8000
Chromium, total	ug/L	MW-60	03/12/2025	ND	8.0000		8.0000
Cobalt, total	ug/L	MW-60	03/12/2025	ND	0.4000		6.9000
Copper, total	ug/L	MW-60	03/12/2025		4.5000	*	4.0000
Lead, total	ug/L	MW-60	03/12/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-60	03/12/2025		5.3000	**	8.7000
Selenium, total	ug/L	MW-60	03/12/2025	ND	4.0000		10.6000
Silver, total	ug/L	MW-60	03/12/2025	ND	4.0000		6.4000
Thallium, total	ug/L	MW-60	03/12/2025	ND	2.0000		2.4000
Vanadium, total	ug/L	MW-60	03/12/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-60	03/12/2025	ND	20.0000		32.3000
Antimony, total	ug/L	MW-61	03/12/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-61	03/12/2025	ND	4.0000		7.3000
Barium, total	ug/L	MW-61	03/12/2025		196.0000		357.0000
Beryllium, total	ug/L	MW-61	03/12/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-61	03/12/2025	ND	0.8000		0.8000
Chromium, total	ug/L	MW-61	03/12/2025	ND	8.0000		8.0000
Cobalt, total	ug/L	MW-61	03/12/2025	ND	0.4000		6.9000
Copper, total	ug/L	MW-61	03/12/2025	ND	4.0000	**	4.0000
Lead, total	ug/L	MW-61	03/12/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-61	03/12/2025	ND	4.0000		8.7000
Selenium, total	ug/L	MW-61	03/12/2025	ND	4.0000		10.6000
Silver, total	ug/L	MW-61	03/12/2025	ND	4.0000		6.4000
Thallium, total	ug/L	MW-61	03/12/2025	ND	2.0000		2.4000
Vanadium, total	ug/L	MW-61	03/12/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-61	03/12/2025	ND	20.0000		32.3000
Antimony, total	ug/L	MW-62R	03/12/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-62R	03/12/2025	ND	4.0000		7.3000
Barium, total	ug/L	MW-62R	03/12/2025		946.0000	***	357.0000
Beryllium, total	ug/L	MW-62R	03/12/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-62R	03/12/2025	ND	0.8000		0.8000
Chromium, total	ug/L	MW-62R	03/12/2025	ND	8.0000		8.0000
Cobalt, total	ug/L	MW-62R	03/12/2025	ND	0.4000		6.9000
Copper, total	ug/L	MW-62R	03/12/2025	ND	4.0000		4.0000
Lead, total	ug/L	MW-62R	03/12/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-62R	03/12/2025	ND	4.0000		8.7000
Selenium, total	ug/L	MW-62R	03/12/2025	ND	4.0000		10.6000
Silver, total	ug/L	MW-62R	03/12/2025	ND	4.0000		6.4000
Thallium, total	ug/L	MW-62R	03/12/2025	ND	2.0000		2.4000
Vanadium, total	ug/L	MW-62R	03/12/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-62R	03/12/2025	ND	20.0000		32.3000
Antimony, total	ug/L	MW-79	03/12/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-79	03/12/2025	ND	4.0000		7.3000
Barium, total	ug/L	MW-79	03/12/2025		54.9000		357.0000
Beryllium, total	ug/L	MW-79	03/12/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-79	03/12/2025	ND	0.8000		0.8000
Chromium, total	ug/L	MW-79	03/12/2025	ND	8.0000		8.0000
Cobalt, total	ug/L	MW-79	03/12/2025	ND	0.4000		6.9000
Copper, total	ug/L	MW-79	03/12/2025	ND	4.0000		4.0000
Lead, total	ug/L	MW-79	03/12/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-79	03/12/2025	ND	4.0000		8.7000
Selenium, total	ug/L	MW-79	03/12/2025	ND	4.0000		10.6000
Silver, total	ug/L	MW-79	03/12/2025	ND	4.0000		6.4000
Thallium, total	ug/L	MW-79	03/12/2025	ND	2.0000		2.4000
Vanadium, total	ug/L	MW-79	03/12/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-79	03/12/2025	ND	20.0000		32.3000
Antimony, total	ug/L	MW-80	03/12/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-80	03/12/2025		4.6000		7.3000
Barium, total	ug/L	MW-80	03/12/2025		127.0000		357.0000
Beryllium, total	ug/L	MW-80	03/12/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-80	03/12/2025	ND	0.8000		0.8000
Chromium, total	ug/L	MW-80	03/12/2025	ND	8.0000		8.0000
Cobalt, total	ug/L	MW-80	03/12/2025		1.8000		6.9000
Copper, total	ug/L	MW-80	03/12/2025	ND	4.0000		4.0000
Lead, total	ug/L	MW-80	03/12/2025	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
Nickel, total	ug/L	MW-80	03/12/2025	ND	4.0000	8.7000
Selenium, total	ug/L	MW-80	03/12/2025	ND	4.0000	10.6000
Silver, total	ug/L	MW-80	03/12/2025	ND	4.0000	6.4000
Thallium, total	ug/L	MW-80	03/12/2025	ND	2.0000	2.4000
Vanadium, total	ug/L	MW-80	03/12/2025	ND	20.0000	20.0000
Zinc, total	ug/L	MW-80	03/12/2025	ND	20.0000	32.3000
Antimony, total	ug/L	SW-101R	03/12/2025	ND	2.0000	2.0000
Arsenic, total	ug/L	SW-101R	03/12/2025	ND	4.0000	7.3000
Barium, total	ug/L	SW-101R	03/12/2025		224.0000	357.0000
Beryllium, total	ug/L	SW-101R	03/12/2025	ND	4.0000	4.0000
Cadmium, total	ug/L	SW-101R	03/12/2025	ND	0.8000	0.8000
Chromium, total	ug/L	SW-101R	03/12/2025	ND	8.0000	8.0000
Cobalt, total	ug/L	SW-101R	03/12/2025		1.4000	6.9000
Copper, total	ug/L	SW-101R	03/12/2025		5.7000 *	4.0000
Lead, total	ug/L	SW-101R	03/12/2025	ND	4.0000	4.0000
Nickel, total	ug/L	SW-101R	03/12/2025	ND	4.0000	8.7000
Selenium, total	ug/L	SW-101R	03/12/2025	ND	4.0000	10.6000
Silver, total	ug/L	SW-101R	03/12/2025	ND	4.0000	6.4000
Thallium, total	ug/L	SW-101R	03/12/2025	ND	2.0000	2.4000
Vanadium, total	ug/L	SW-101R	03/12/2025	ND	20.0000	20.0000
Zinc, total	ug/L	SW-101R	03/12/2025	ND	20.0000	32.3000
Antimony, total	ug/L	SW-102	03/12/2025	ND	2.0000	2.0000
Arsenic, total	ug/L	SW-102	03/12/2025	ND	4.0000	7.3000
Barium, total	ug/L	SW-102	03/12/2025		152.0000	357.0000
Beryllium, total	ug/L	SW-102	03/12/2025	ND	4.0000	4.0000
Cadmium, total	ug/L	SW-102	03/12/2025	ND	0.8000	0.8000
Chromium, total	ug/L	SW-102	03/12/2025	ND	8.0000	8.0000
Cobalt, total	ug/L	SW-102	03/12/2025	ND	0.4000	6.9000
Copper, total	ug/L	SW-102	03/12/2025	ND	4.0000	4.0000
Lead, total	ug/L	SW-102	03/12/2025	ND	4.0000	4.0000
Nickel, total	ug/L	SW-102	03/12/2025	ND	4.0000	8.7000
Selenium, total	ug/L	SW-102	03/12/2025	ND	4.0000	10.6000
Silver, total	ug/L	SW-102	03/12/2025	ND	4.0000	6.4000
Thallium, total	ug/L	SW-102	03/12/2025	ND	2.0000	2.4000
Vanadium, total	ug/L	SW-102	03/12/2025	ND	20.0000	20.0000
Zinc, total	ug/L	SW-102	03/12/2025	ND	20.0000	32.3000
Antimony, total	ug/L	SW-103	03/12/2025	ND	2.0000	2.0000
Arsenic, total	ug/L	SW-103	03/12/2025	ND	4.0000	7.3000
Barium, total	ug/L	SW-103	03/12/2025		150.0000	357.0000
Beryllium, total	ug/L	SW-103	03/12/2025	ND	4.0000	4.0000
Cadmium, total	ug/L	SW-103	03/12/2025	ND	0.8000	0.8000
Chromium, total	ug/L	SW-103	03/12/2025	ND	8.0000	8.0000
Cobalt, total	ug/L	SW-103	03/12/2025		0.6000	6.9000
Copper, total	ug/L	SW-103	03/12/2025	ND	4.0000	4.0000
Lead, total	ug/L	SW-103	03/12/2025	ND	4.0000	4.0000
Nickel, total	ug/L	SW-103	03/12/2025	ND	4.0000	8.7000
Selenium, total	ug/L	SW-103	03/12/2025	ND	4.0000	10.6000
Silver, total	ug/L	SW-103	03/12/2025	ND	4.0000	6.4000
Thallium, total	ug/L	SW-103	03/12/2025	ND	2.0000	2.4000
Vanadium, total	ug/L	SW-103	03/12/2025	ND	20.0000	20.0000
Zinc, total	ug/L	SW-103	03/12/2025	ND	20.0000	32.3000

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	0	79	0.000	2	342	0.006
Arsenic, total	2	79	0.025	35	342	0.102
Barium, total	79	79	1.000	341	341	1.000
Beryllium, total	0	79	0.000	3	341	0.009
Cadmium, total	0	79	0.000	13	341	0.038
Chromium, total	0	79	0.000	13	342	0.038
Cobalt, total	12	79	0.152	115	346	0.332
Copper, total	0	79	0.000	60	345	0.174
Lead, total	0	79	0.000	20	341	0.059
Nickel, total	5	79	0.063	179	346	0.517
Selenium, total	23	79	0.291	23	341	0.067
Silver, total	1	79	0.013	1	341	0.003
Thallium, total	1	79	0.013	0	341	0.000
Vanadium, total	0	79	0.000	11	342	0.032
Zinc, total	5	79	0.063	79	343	0.230

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	79	0.000									nonpar
Arsenic, total	2	79	0.025									nonpar
Barium, total	79	79	1.000	2.863	3.098					2.326	non-norm	nonpar
Beryllium, total	0	79	0.000									nonpar
Cadmium, total	0	79	0.000									nonpar
Chromium, total	0	79	0.000									nonpar
Cobalt, total	12	79	0.152	0.421	0.600					2.326	normal	nonpar
Copper, total	0	79	0.000									nonpar
Lead, total	0	79	0.000									nonpar
Nickel, total	5	79	0.063	0.460	0.593					2.326	normal	nonpar
Selenium, total	23	79	0.291	0.468	0.181					2.326	normal	nonpar
Silver, total	1	79	0.013									nonpar
Thallium, total	1	79	0.013									nonpar
Vanadium, total	0	79	0.000									nonpar
Zinc, total	5	79	0.063	0.090	0.311					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	79					2.0000	nonpar	***	0.99
Arsenic, total	ug/L	2	79					7.3000	nonpar		0.99
Barium, total	ug/L	79	79					357.0000	nonpar		0.99
Beryllium, total	ug/L	0	79					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	0	79					0.8000	nonpar	***	0.99
Chromium, total	ug/L	0	79					8.0000	nonpar	***	0.99
Cobalt, total	ug/L	12	79					6.9000	nonpar		0.99
Copper, total	ug/L	0	79					4.0000	nonpar	***	0.99
Lead, total	ug/L	0	79					4.0000	nonpar	***	0.99
Nickel, total	ug/L	5	79					8.7000	nonpar		0.99
Selenium, total	ug/L	23	79					10.6000	nonpar		0.99
Silver, total	ug/L	1	79					6.4000	nonpar		0.99
Thallium, total	ug/L	1	79					2.4000	nonpar		0.99
Vanadium, total	ug/L	0	79					20.0000	nonpar	***	0.99
Zinc, total	ug/L	5	79					32.3000	nonpar		0.99

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

* - Insufficient Data.

** - Calculated limit raised to Manual Reporting Limit.

*** - Nonparametric limit based on ND value.

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

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

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

Table 6

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

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value

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

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

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

Table 8

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

Constituent	Units	Well	Date		Result		Pred. Limit
Nickel, total	ug/L	MW-58	09/27/2010		13.2000	*	8.7000
Nickel, total	ug/L	MW-58	03/23/2011		67.5000	*	8.7000
Nickel, total	ug/L	MW-58	09/08/2011		17.6000	*	8.7000
Nickel, total	ug/L	MW-58	03/09/2012		31.4000	*	8.7000
Nickel, total	ug/L	MW-58	09/25/2012		24.1000	*	8.7000
Nickel, total	ug/L	MW-58	03/15/2013		12.4000	*	8.7000
Nickel, total	ug/L	MW-58	09/25/2013		17.2000	*	8.7000
Nickel, total	ug/L	MW-58	03/25/2014		12.8000	*	8.7000
Nickel, total	ug/L	MW-58	09/24/2014		6.5000	*	8.7000
Nickel, total	ug/L	MW-58	03/11/2015		8.7000	*	8.7000
Nickel, total	ug/L	MW-58	09/17/2015		12.8000	*	8.7000
Nickel, total	ug/L	MW-58	03/22/2016		21.2000	*	8.7000
Nickel, total	ug/L	MW-58	09/15/2016		13.3000	*	8.7000
Nickel, total	ug/L	MW-58	03/23/2017		23.8000	*	8.7000
Nickel, total	ug/L	MW-58	09/08/2017		21.1000	*	8.7000
Nickel, total	ug/L	MW-58	03/19/2018		25.5000	*	8.7000
Nickel, total	ug/L	MW-58	09/11/2018		18.4000	*	8.7000
Nickel, total	ug/L	MW-58	12/05/2018		18.4000	*	8.7000
Nickel, total	ug/L	MW-58	03/26/2019		22.9000	*	8.7000
Nickel, total	ug/L	MW-58	09/04/2019		4.3000	*	8.7000
Nickel, total	ug/L	MW-58	03/26/2020		19.9000	*	8.7000
Nickel, total	ug/L	MW-58	09/15/2020		17.7000	*	8.7000
Nickel, total	ug/L	MW-58	03/02/2021		14.7000	*	8.7000
Nickel, total	ug/L	MW-58	09/07/2021		16.3000	*	8.7000
Nickel, total	ug/L	MW-58	03/24/2022		18.3000	*	8.7000
Nickel, total	ug/L	MW-58	08/31/2022		14.7000	*	8.7000
Nickel, total	ug/L	MW-58	03/02/2023		15.5000	*	8.7000
Nickel, total	ug/L	MW-58	09/12/2023		13.9000	*	8.7000
Nickel, total	ug/L	MW-58	03/04/2024		16.7000	*	8.7000
Nickel, total	ug/L	MW-58	09/23/2024		12.6000	*	8.7000
Nickel, total	ug/L	MW-58	03/12/2025		14.2000	*	8.7000
Copper, total	ug/L	MW-59	09/27/2010		5.4000	*	4.0000
Copper, total	ug/L	MW-59	03/23/2011		8.1000	*	4.0000
Copper, total	ug/L	MW-59	09/08/2011		27.8000	*	4.0000
Copper, total	ug/L	MW-59	03/09/2012		6.3000	*	4.0000
Copper, total	ug/L	MW-59	09/25/2012		4.9000	*	4.0000
Copper, total	ug/L	MW-59	03/15/2013	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-59	09/24/2013		6.3000	*	4.0000
Copper, total	ug/L	MW-59	03/25/2014		4.4000	*	4.0000
Copper, total	ug/L	MW-59	09/24/2014		4.4000	*	4.0000
Copper, total	ug/L	MW-59	03/11/2015	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-59	09/17/2015	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-59	03/22/2016		4.7000	*	4.0000
Copper, total	ug/L	MW-59	09/15/2016	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-59	03/23/2017	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-59	09/08/2017	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-59	03/19/2018		4.8000	*	4.0000
Copper, total	ug/L	MW-59	06/05/2018	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-59	09/11/2018		4.6000	*	4.0000
Copper, total	ug/L	MW-59	12/05/2018		4.1000	*	4.0000
Copper, total	ug/L	MW-59	03/26/2019		5.5000	*	4.0000
Copper, total	ug/L	MW-59	09/04/2019	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-59	03/26/2020		6.9000	*	4.0000
Copper, total	ug/L	MW-59	09/15/2020	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-59	03/02/2021	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-59	09/07/2021	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-59	03/24/2022		8.2000	*	4.0000
Copper, total	ug/L	MW-59	08/31/2022		6.0000	*	4.0000
Copper, total	ug/L	MW-59	03/02/2023		6.8000	*	4.0000
Copper, total	ug/L	MW-59	09/12/2023	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-59	03/04/2024	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-59	09/23/2024	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-59	03/12/2025		6.7000	*	4.0000
Copper, total	ug/L	MW-60	09/28/2010		4.4000	*	4.0000
Copper, total	ug/L	MW-60	03/23/2011		11.7000	*	4.0000
Copper, total	ug/L	MW-60	09/08/2011	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-60	03/09/2012		7.2000	*	4.0000
Copper, total	ug/L	MW-60	09/25/2012		6.5000	*	4.0000
Copper, total	ug/L	MW-60	03/15/2013	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-60	09/24/2013	ND	4.0000	*	4.0000
Copper, total	ug/L	MW-60	03/25/2014		4.4000	*	4.0000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result	Pred. Limit
Copper, total	ug/L	MW-60	09/24/2014	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	03/11/2015	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	09/17/2015	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	03/22/2016	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	09/15/2016	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	03/23/2017	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	09/08/2017	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	03/19/2018	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	09/11/2018	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	03/26/2019	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	09/04/2019	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	03/26/2020	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	09/15/2020	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	03/02/2021	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	09/07/2021	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	03/24/2022	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	08/31/2022		10.3000	* 4.0000
Copper, total	ug/L	MW-60	03/02/2023	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	09/12/2023	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	03/04/2024	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	09/23/2024	ND	4.0000	4.0000
Copper, total	ug/L	MW-60	03/12/2025		4.5000	* 4.0000
Nickel, total	ug/L	MW-60	09/28/2010		16.9000	* 8.7000
Nickel, total	ug/L	MW-60	03/23/2011		19.7000	* 8.7000
Nickel, total	ug/L	MW-60	09/08/2011		21.4000	* 8.7000
Nickel, total	ug/L	MW-60	03/09/2012		24.4000	* 8.7000
Nickel, total	ug/L	MW-60	09/25/2012		18.0000	* 8.7000
Nickel, total	ug/L	MW-60	03/15/2013		6.8000	8.7000
Nickel, total	ug/L	MW-60	09/24/2013		26.6000	* 8.7000
Nickel, total	ug/L	MW-60	03/25/2014		14.6000	* 8.7000
Nickel, total	ug/L	MW-60	09/24/2014		7.0000	8.7000
Nickel, total	ug/L	MW-60	03/11/2015	ND	4.0000	8.7000
Nickel, total	ug/L	MW-60	09/17/2015		13.6000	* 8.7000
Nickel, total	ug/L	MW-60	12/17/2015	ND	4.0000	8.7000
Nickel, total	ug/L	MW-60	03/22/2016		7.9000	8.7000
Nickel, total	ug/L	MW-60	09/15/2016		17.3000	* 8.7000
Nickel, total	ug/L	MW-60	03/23/2017	ND	4.0000	8.7000
Nickel, total	ug/L	MW-60	09/08/2017		7.5000	8.7000
Nickel, total	ug/L	MW-60	03/19/2018	ND	4.0000	8.7000
Nickel, total	ug/L	MW-60	09/11/2018	ND	4.0000	8.7000
Nickel, total	ug/L	MW-60	03/26/2019		15.2000	* 8.7000
Nickel, total	ug/L	MW-60	09/04/2019		24.8000	* 8.7000
Nickel, total	ug/L	MW-60	03/26/2020		19.4000	* 8.7000
Nickel, total	ug/L	MW-60	09/15/2020		34.4000	* 8.7000
Nickel, total	ug/L	MW-60	03/02/2021		22.0000	* 8.7000
Nickel, total	ug/L	MW-60	09/07/2021		30.1000	* 8.7000
Nickel, total	ug/L	MW-60	03/24/2022		18.2000	* 8.7000
Nickel, total	ug/L	MW-60	08/31/2022		45.7000	* 8.7000
Nickel, total	ug/L	MW-60	03/02/2023		11.5000	* 8.7000
Nickel, total	ug/L	MW-60	09/12/2023		26.4000	* 8.7000
Nickel, total	ug/L	MW-60	03/04/2024	ND	4.0000	8.7000
Nickel, total	ug/L	MW-60	09/23/2024		29.2000	* 8.7000
Nickel, total	ug/L	MW-60	03/12/2025		5.3000	8.7000
Copper, total	ug/L	MW-61	09/28/2010		5.8000	* 4.0000
Copper, total	ug/L	MW-61	03/23/2011	ND	5.0000	4.0000
Copper, total	ug/L	MW-61	09/08/2011	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	03/09/2012	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	09/25/2012	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	03/15/2013	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	09/25/2013		10.5000	* 4.0000
Copper, total	ug/L	MW-61	03/25/2014		4.2000	* 4.0000
Copper, total	ug/L	MW-61	09/24/2014	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	03/11/2015	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	09/17/2015		13.1000	* 4.0000
Copper, total	ug/L	MW-61	12/17/2015	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	03/22/2016	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	09/15/2016	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	03/23/2017	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	09/08/2017	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	03/19/2018	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	09/11/2018	ND	4.0000	4.0000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result	Pred. Limit
Copper, total	ug/L	MW-61	03/26/2019	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	09/04/2019	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	03/26/2020	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	09/15/2020	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	03/02/2021	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	09/07/2021	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	03/24/2022	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	08/31/2022	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	03/02/2023	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	09/12/2023	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	03/04/2024	ND	4.0000	4.0000
Copper, total	ug/L	MW-61	09/23/2024		5.0000 *	4.0000
Copper, total	ug/L	MW-61	03/12/2025	ND	4.0000	4.0000
Barium, total	ug/L	MW-62R	09/28/2010		775.0000 *	357.0000
Barium, total	ug/L	MW-62R	12/22/2010		805.0000 *	357.0000
Barium, total	ug/L	MW-62R	03/23/2011		688.0000 *	357.0000
Barium, total	ug/L	MW-62R	05/17/2011		716.0000 *	357.0000
Barium, total	ug/L	MW-62R	07/14/2011		615.0000 *	357.0000
Barium, total	ug/L	MW-62R	09/08/2011		706.0000 *	357.0000
Barium, total	ug/L	MW-62R	03/09/2012		651.0000 *	357.0000
Barium, total	ug/L	MW-62R	09/25/2012		612.0000 *	357.0000
Barium, total	ug/L	MW-62R	03/15/2013		685.0000 *	357.0000
Barium, total	ug/L	MW-62R	09/24/2013		925.0000 *	357.0000
Barium, total	ug/L	MW-62R	03/25/2014		706.0000 *	357.0000
Barium, total	ug/L	MW-62R	09/24/2014		833.0000 *	357.0000
Barium, total	ug/L	MW-62R	03/11/2015		773.0000 *	357.0000
Barium, total	ug/L	MW-62R	09/16/2015		802.0000 *	357.0000
Barium, total	ug/L	MW-62R	03/22/2016		817.0000 *	357.0000
Barium, total	ug/L	MW-62R	09/15/2016		784.0000 *	357.0000
Barium, total	ug/L	MW-62R	03/23/2017		831.0000 *	357.0000
Barium, total	ug/L	MW-62R	09/08/2017		864.0000 *	357.0000
Barium, total	ug/L	MW-62R	03/19/2018		858.0000 *	357.0000
Barium, total	ug/L	MW-62R	09/11/2018		816.0000 *	357.0000
Barium, total	ug/L	MW-62R	03/26/2019		891.0000 *	357.0000
Barium, total	ug/L	MW-62R	09/04/2019		917.0000 *	357.0000
Barium, total	ug/L	MW-62R	03/26/2020		1060.0000 *	357.0000
Barium, total	ug/L	MW-62R	09/15/2020		1070.0000 *	357.0000
Barium, total	ug/L	MW-62R	03/02/2021		1010.0000 *	357.0000
Barium, total	ug/L	MW-62R	09/07/2021		1060.0000 *	357.0000
Barium, total	ug/L	MW-62R	03/24/2022		1020.0000 *	357.0000
Barium, total	ug/L	MW-62R	08/31/2022		1060.0000 *	357.0000
Barium, total	ug/L	MW-62R	03/02/2023		1170.0000 *	357.0000
Barium, total	ug/L	MW-62R	09/12/2023		1050.0000 *	357.0000
Barium, total	ug/L	MW-62R	03/04/2024		1010.0000 *	357.0000
Barium, total	ug/L	MW-62R	09/23/2024		945.0000 *	357.0000
Barium, total	ug/L	MW-62R	03/12/2025		946.0000 *	357.0000
Copper, total	ug/L	SW-101R	03/26/2020	ND	4.0000	4.0000
Copper, total	ug/L	SW-101R	09/15/2020	ND	4.0000	4.0000
Copper, total	ug/L	SW-101R	03/02/2021	ND	4.0000	4.0000
Copper, total	ug/L	SW-101R	09/07/2021	ND	4.0000	4.0000
Copper, total	ug/L	SW-101R	03/24/2022	ND	4.0000	4.0000
Copper, total	ug/L	SW-101R	08/31/2022	ND	4.0000	4.0000
Copper, total	ug/L	SW-101R	03/02/2023	ND	4.0000	4.0000
Copper, total	ug/L	SW-101R	09/12/2023	ND	4.0000	4.0000
Copper, total	ug/L	SW-101R	03/04/2024	ND	4.0000	4.0000
Copper, total	ug/L	SW-101R	09/23/2024	ND	4.0000	4.0000
Copper, total	ug/L	SW-101R	03/12/2025		5.7000 *	4.0000

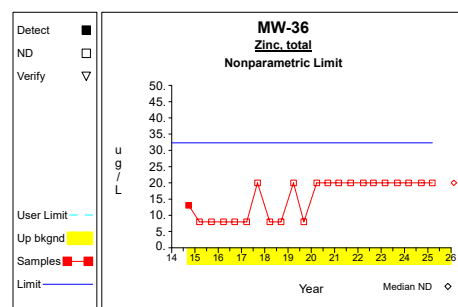
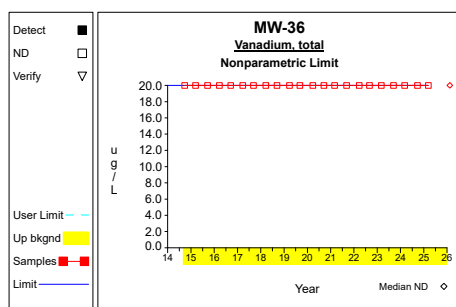
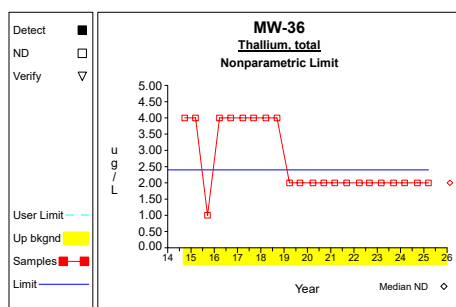
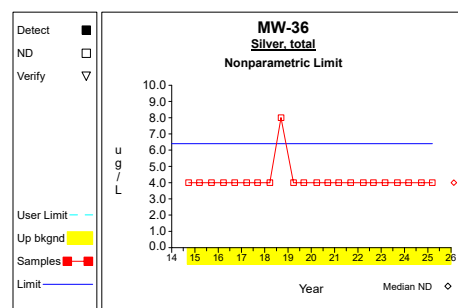
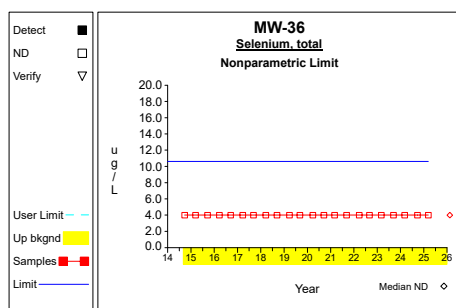
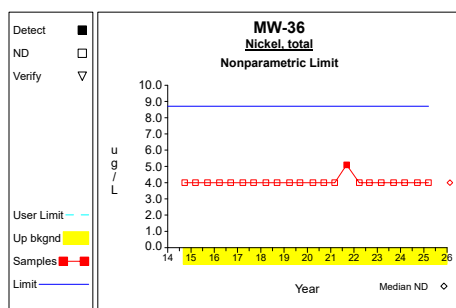
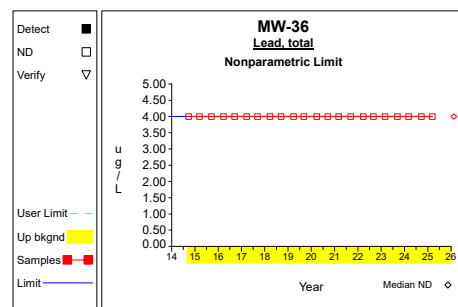
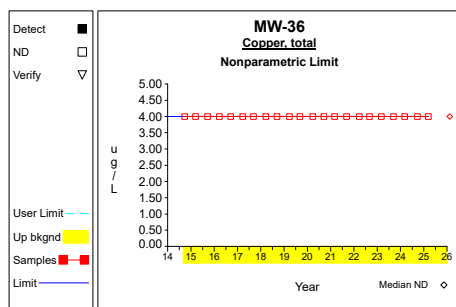
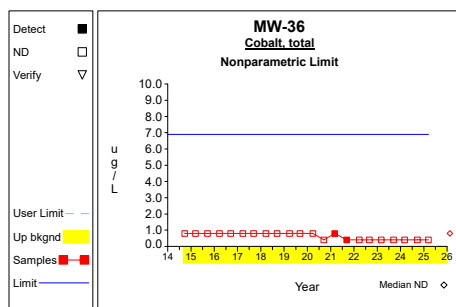
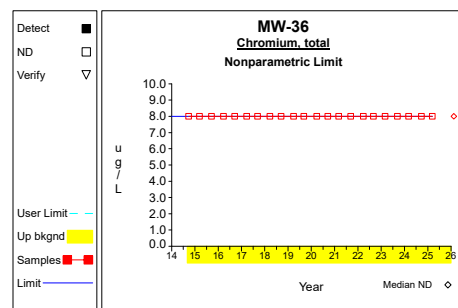
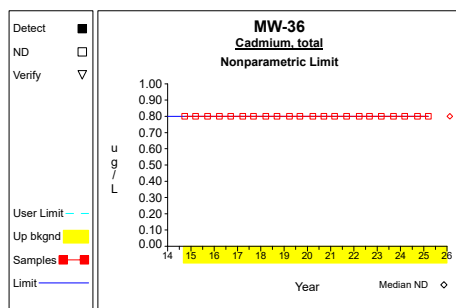
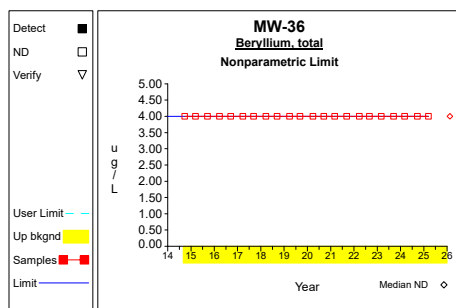
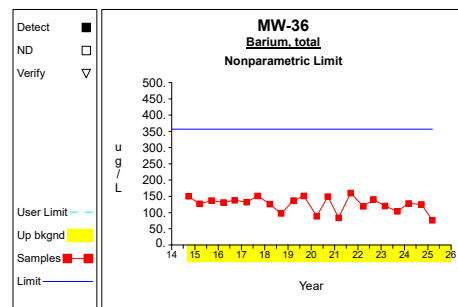
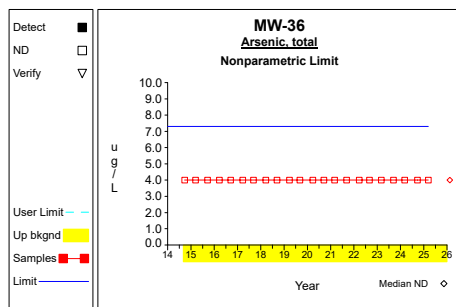
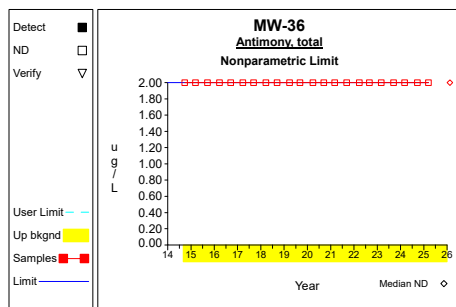
* - Significantly increased over background.

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

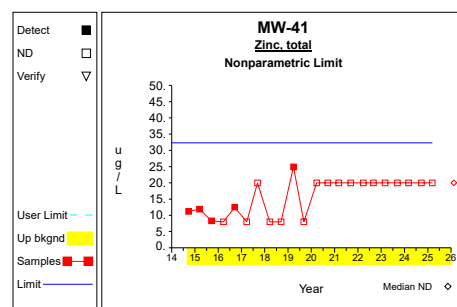
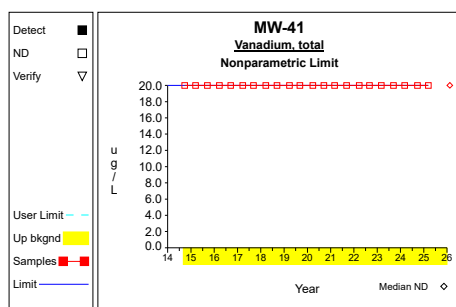
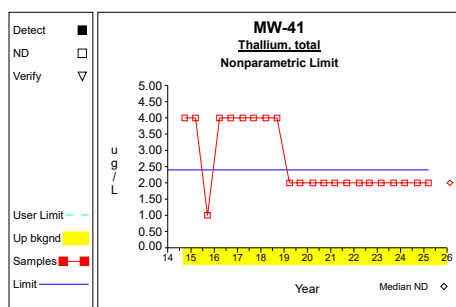
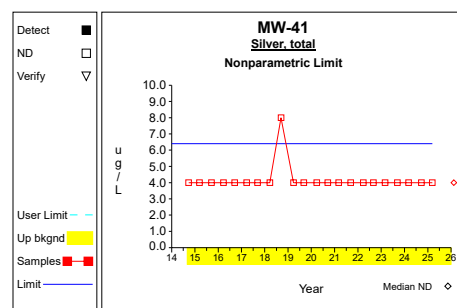
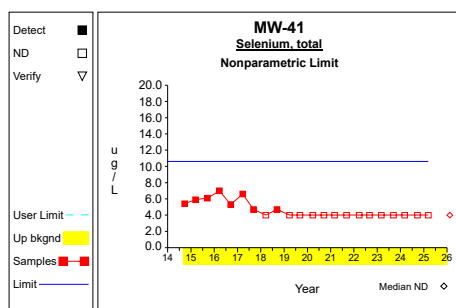
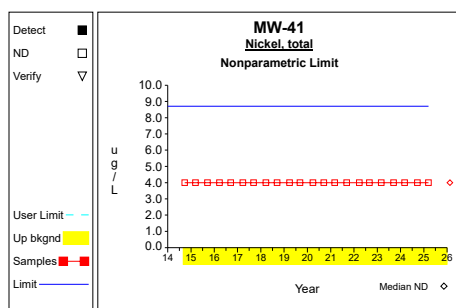
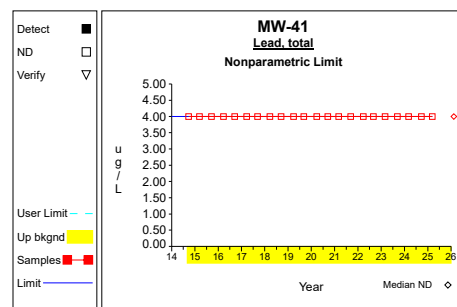
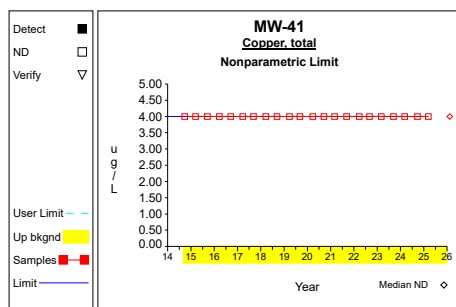
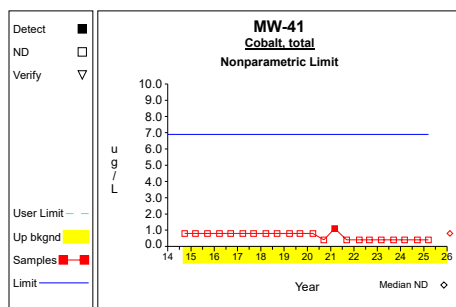
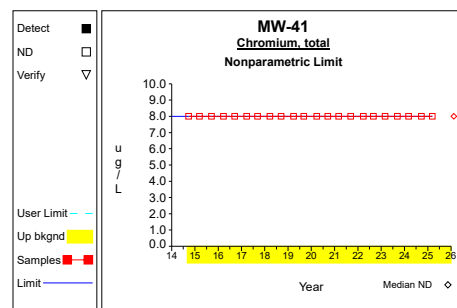
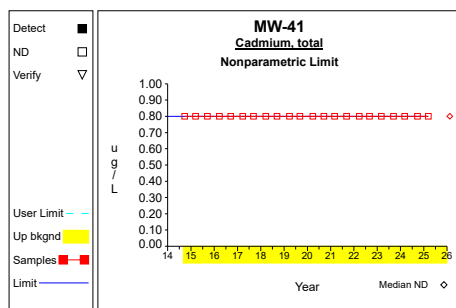
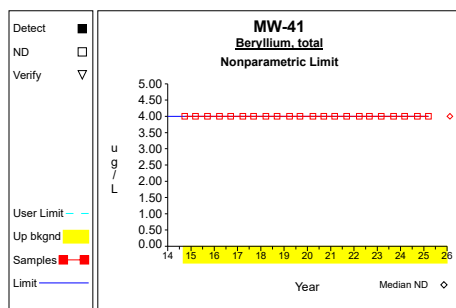
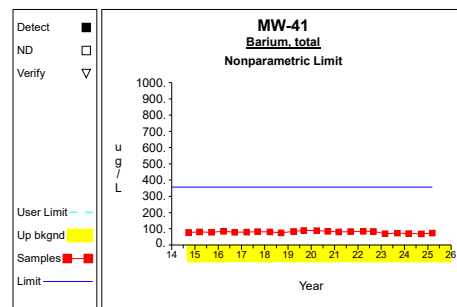
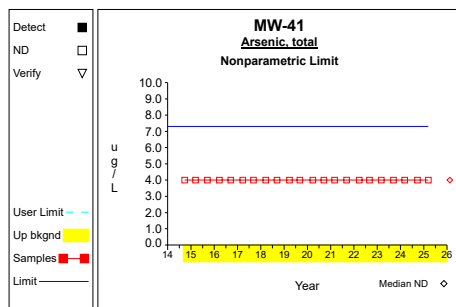
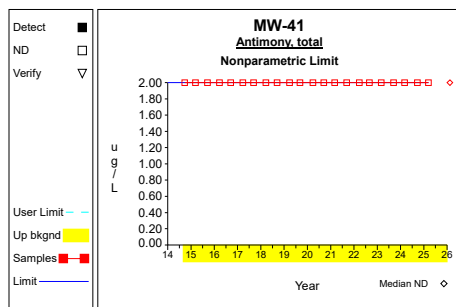
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

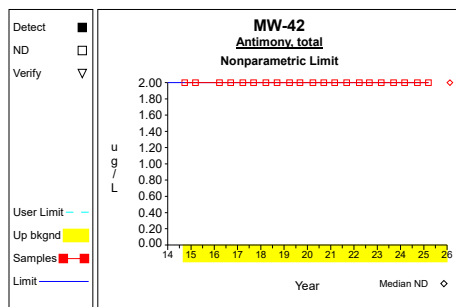
Up vs. Down Prediction Limits



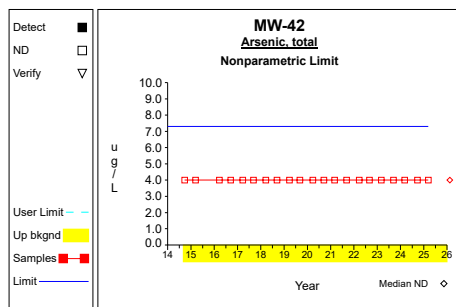
Up vs. Down Prediction Limits



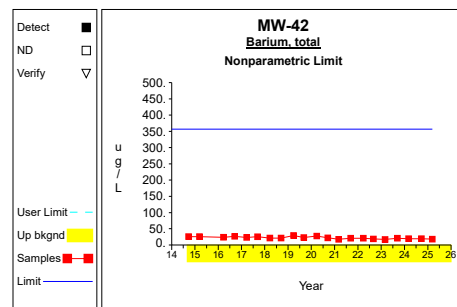
Up vs. Down Prediction Limits



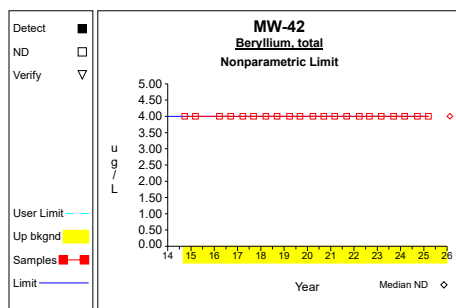
Graph 31



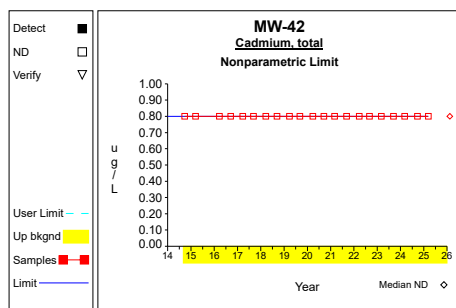
Graph 32



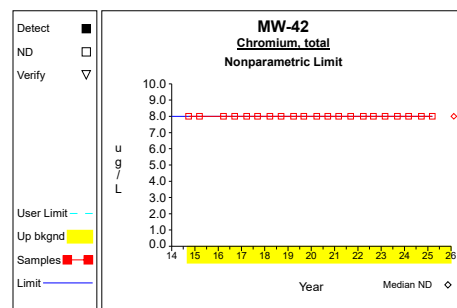
Graph 33



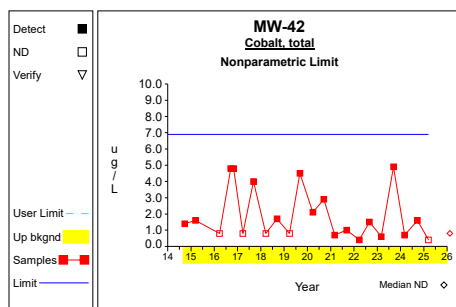
Graph 34



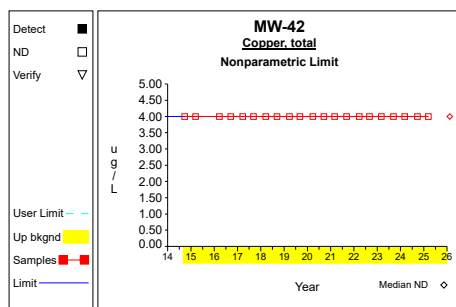
Graph 35



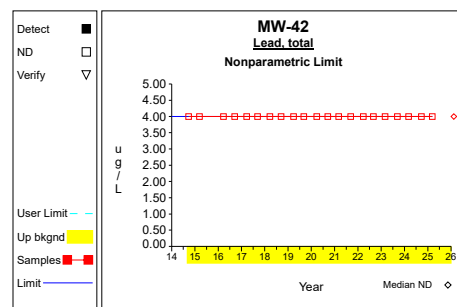
Graph 36



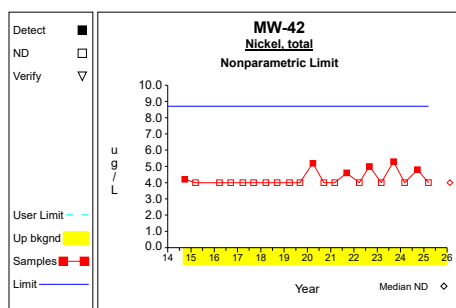
Graph 37



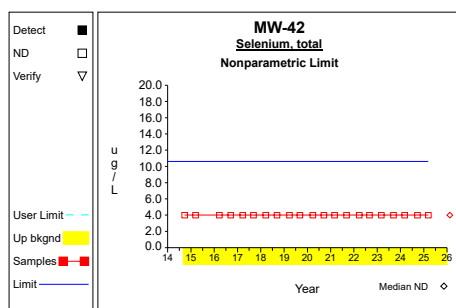
Graph 38



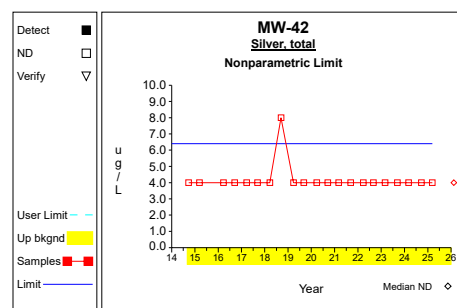
Graph 39



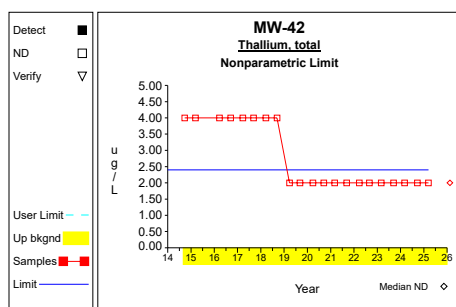
Graph 40



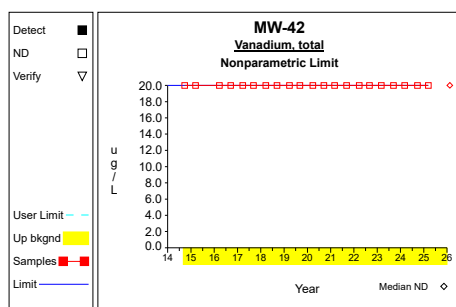
Graph 41



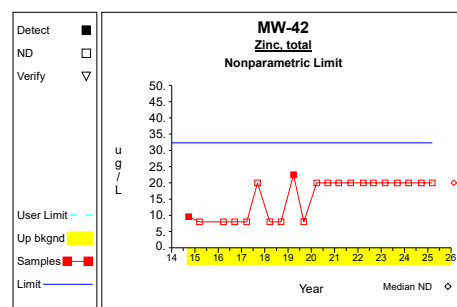
Graph 42



Graph 43

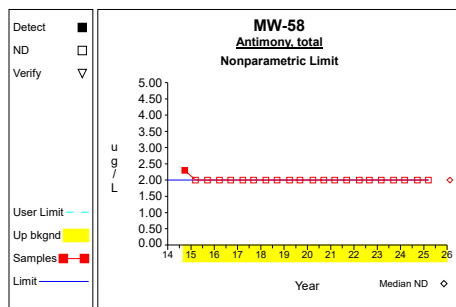


Graph 44

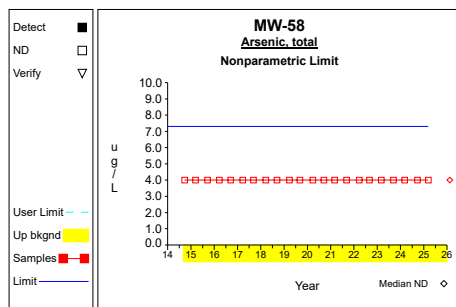


Graph 45

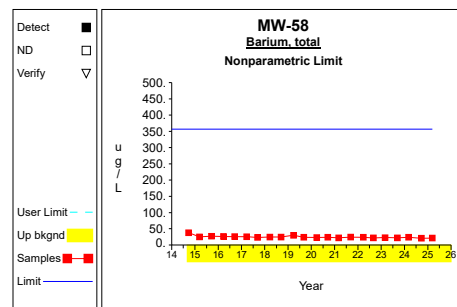
Up vs. Down Prediction Limits



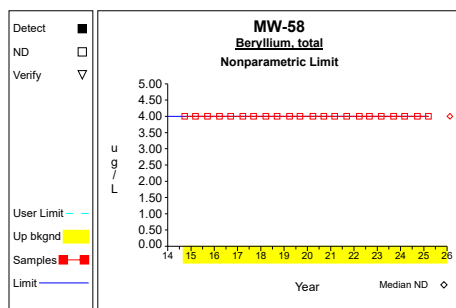
Graph 46



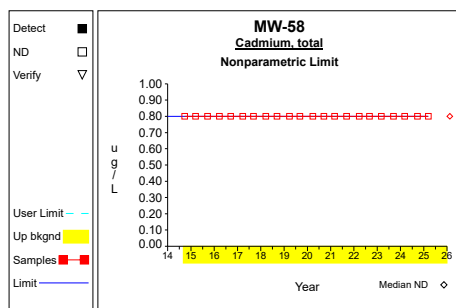
Graph 47



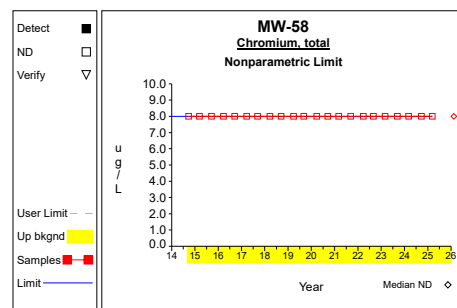
Graph 48



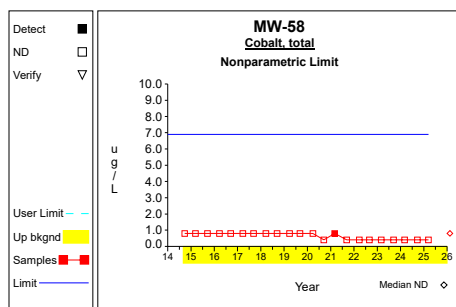
Graph 49



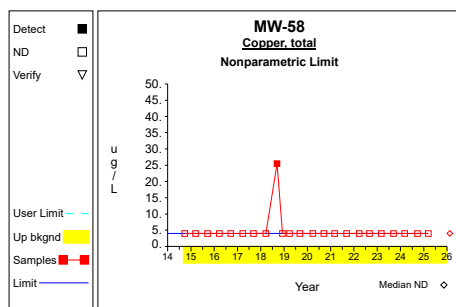
Graph 50



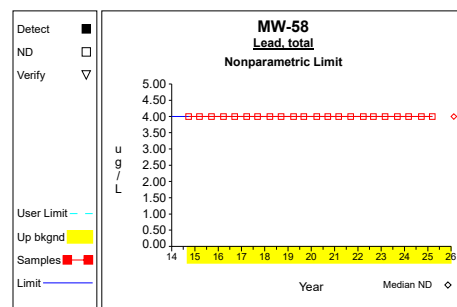
Graph 51



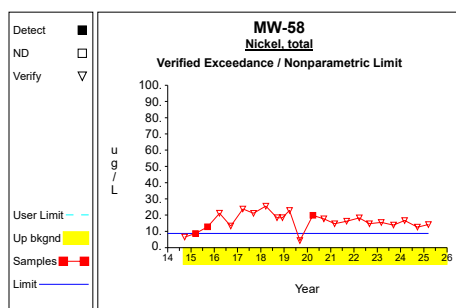
Graph 52



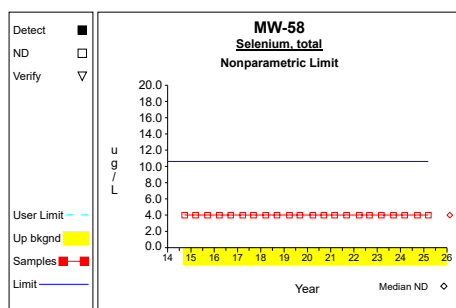
Graph 53



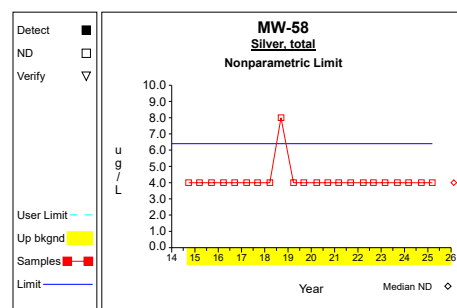
Graph 54



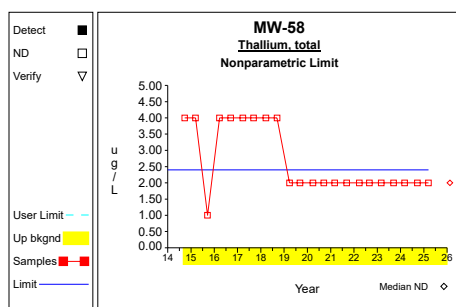
Graph 55



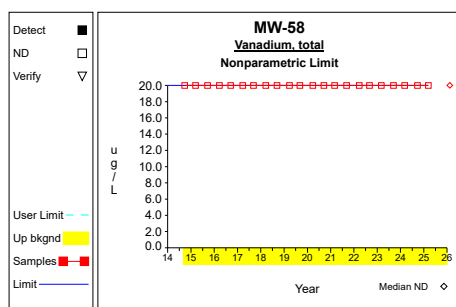
Graph 56



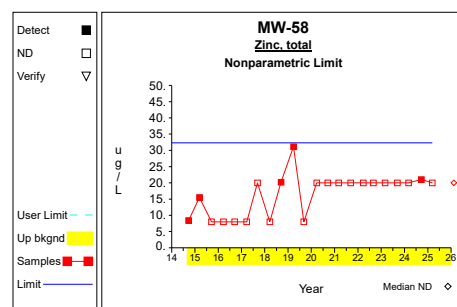
Graph 57



Graph 58

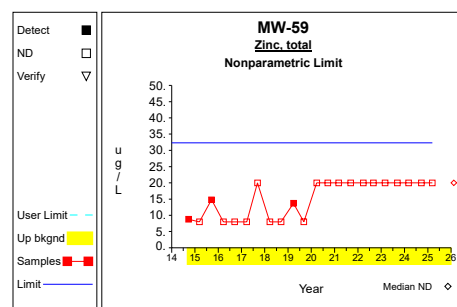
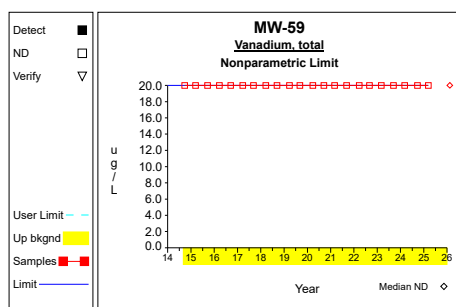
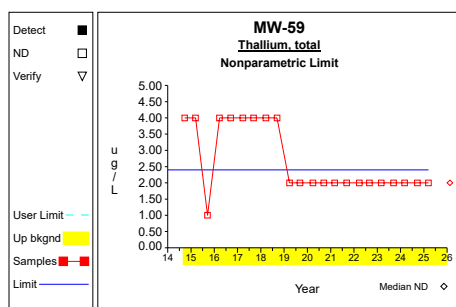
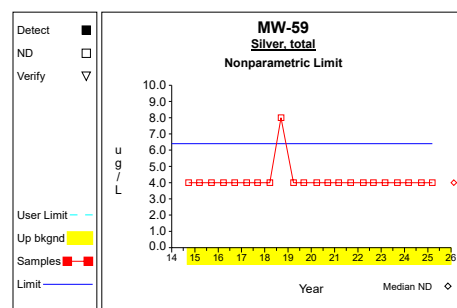
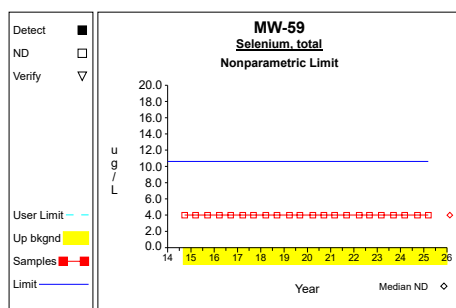
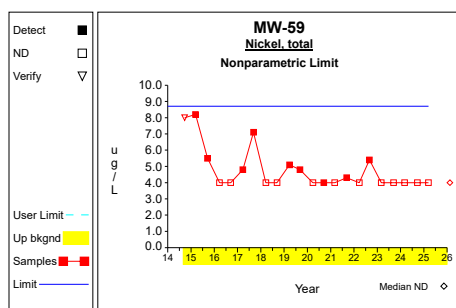
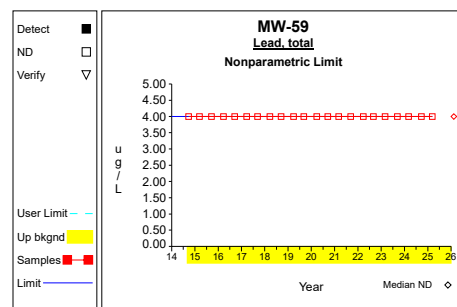
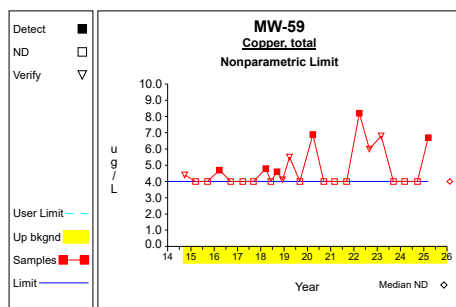
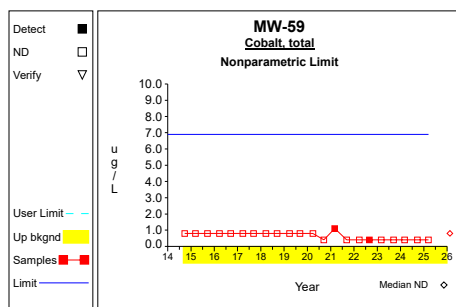
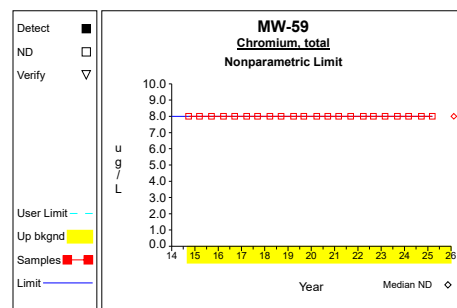
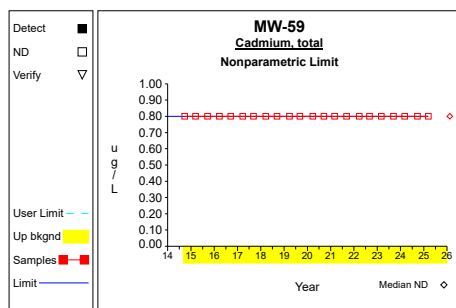
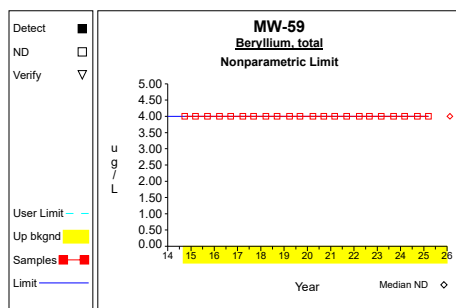
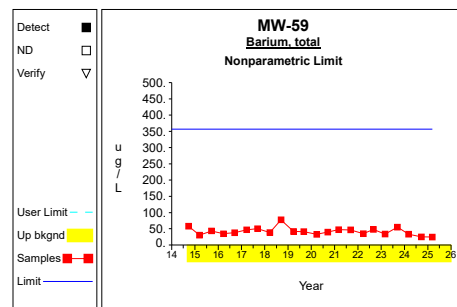
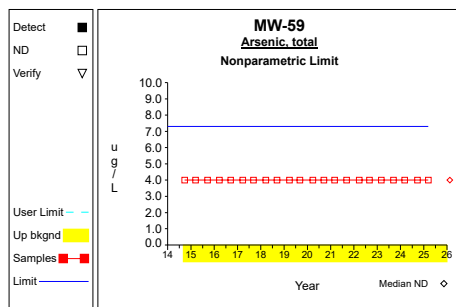
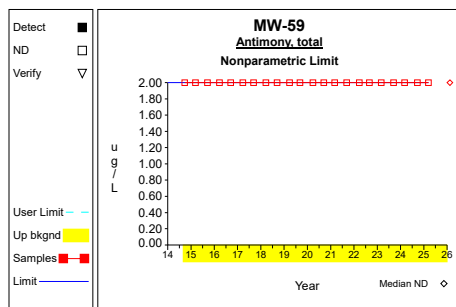


Graph 59

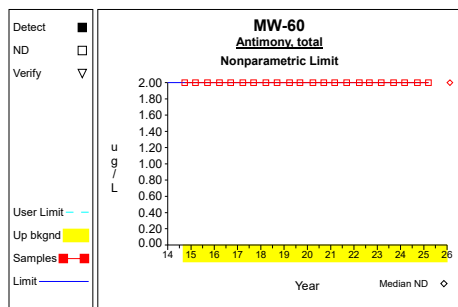


Graph 60

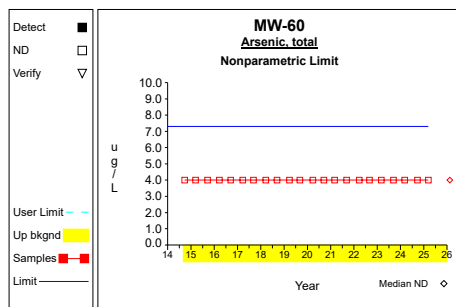
Up vs. Down Prediction Limits



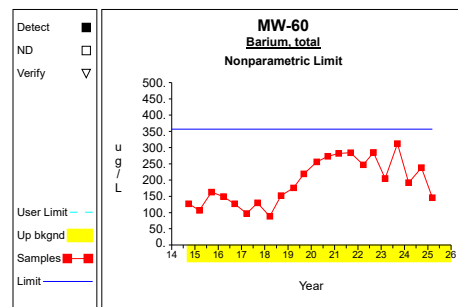
Up vs. Down Prediction Limits



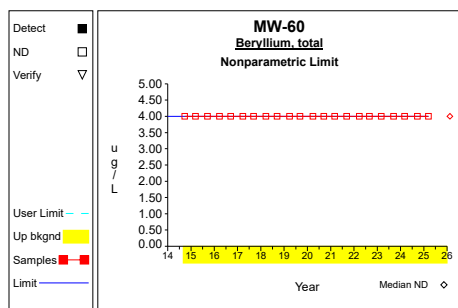
Graph 76



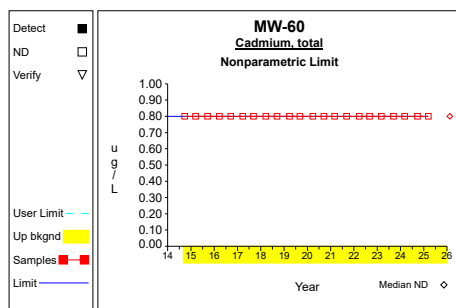
Graph 77



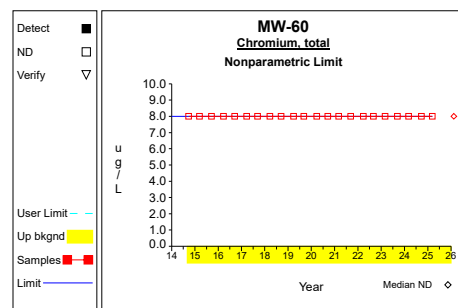
Graph 78



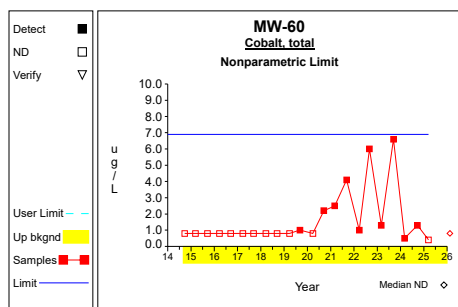
Graph 79



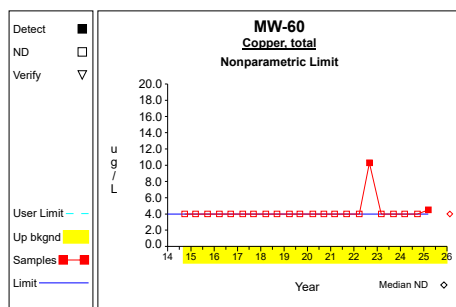
Graph 80



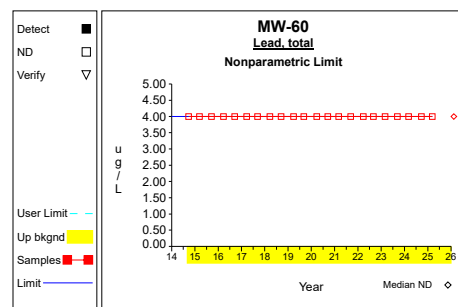
Graph 81



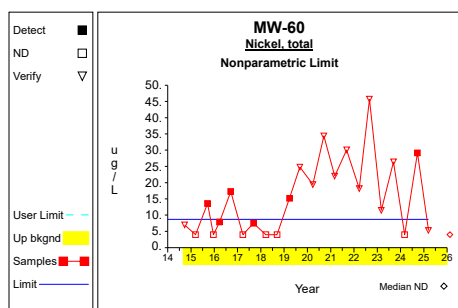
Graph 82



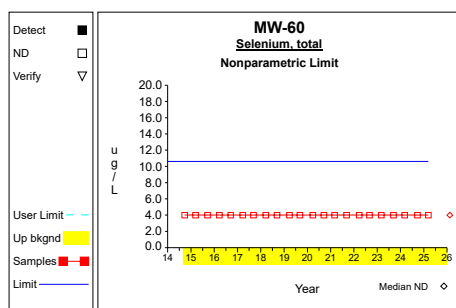
Graph 83



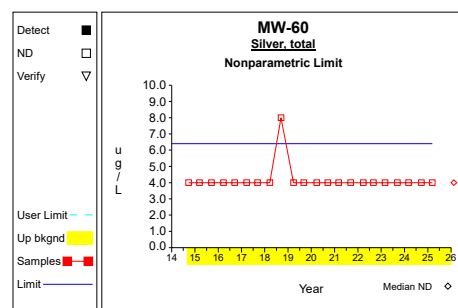
Graph 84



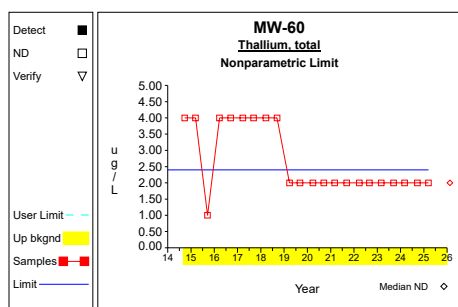
Graph 85



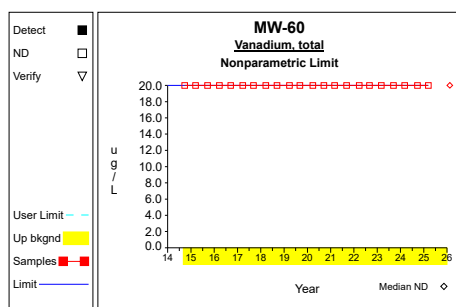
Graph 86



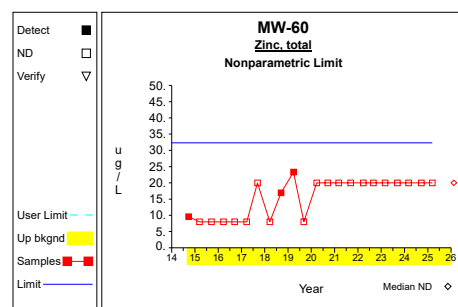
Graph 87



Graph 88

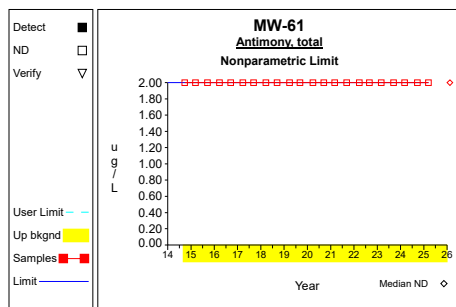


Graph 89

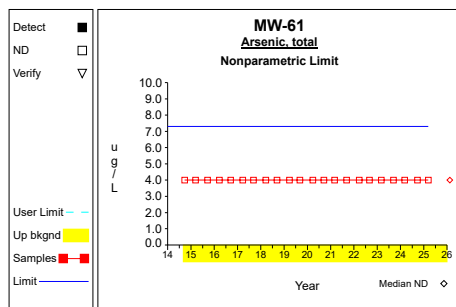


Graph 90

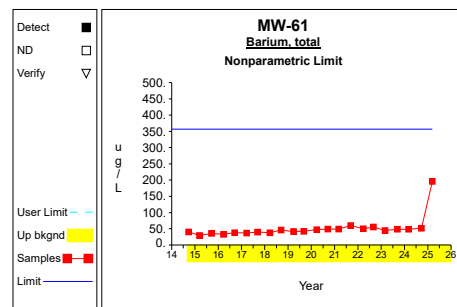
Up vs. Down Prediction Limits



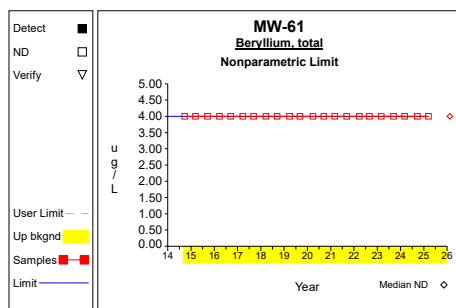
Graph 91



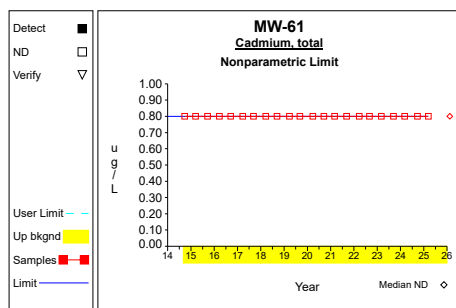
Graph 92



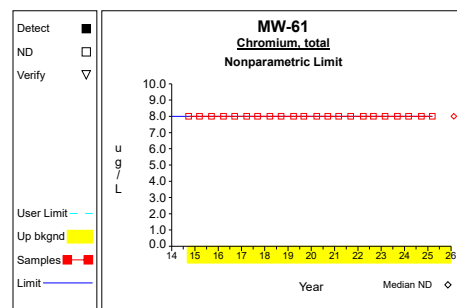
Graph 93



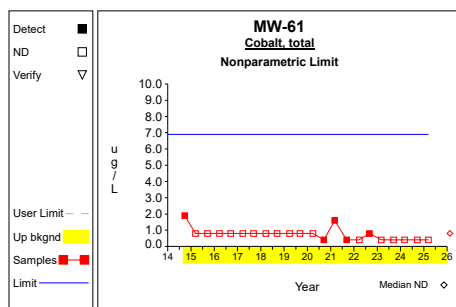
Graph 94



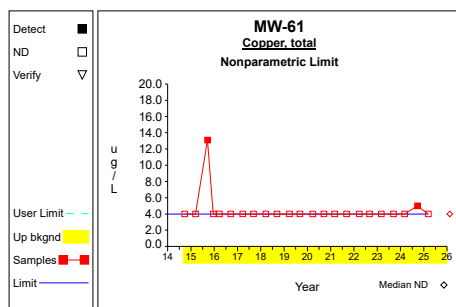
Graph 95



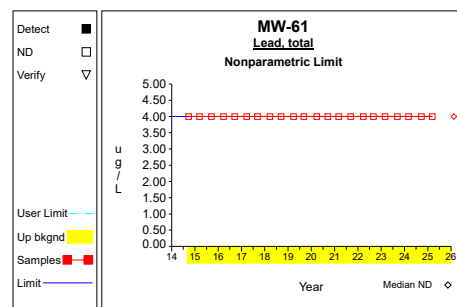
Graph 96



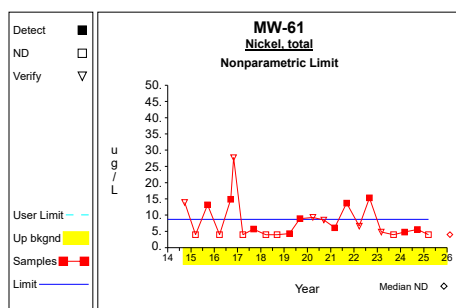
Graph 97



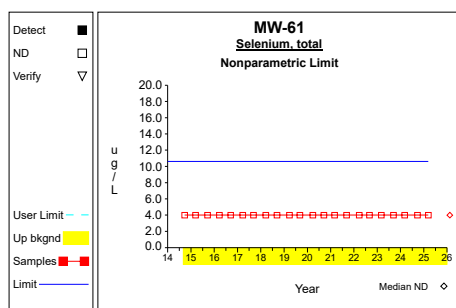
Graph 98



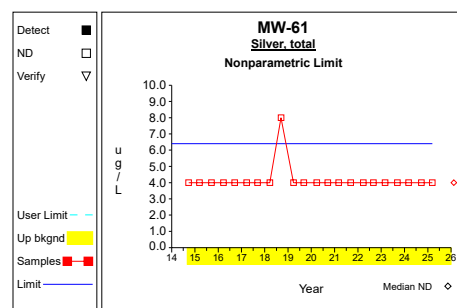
Graph 99



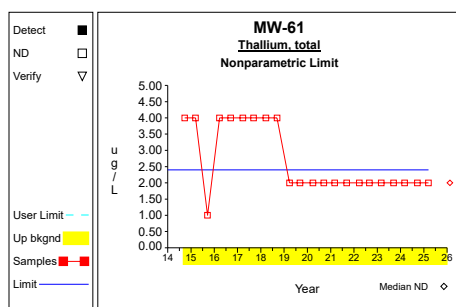
Graph 100



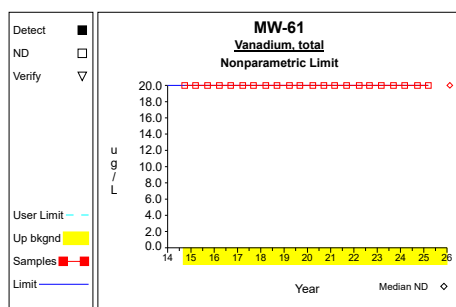
Graph 101



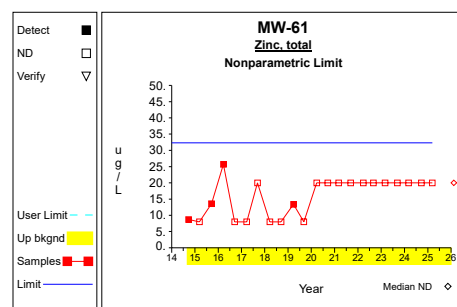
Graph 102



Graph 103

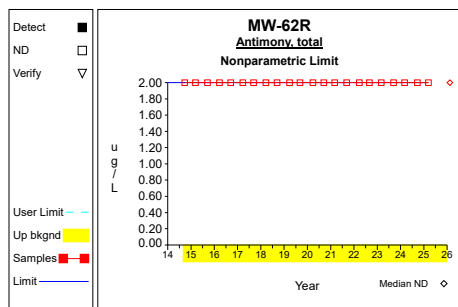


Graph 104

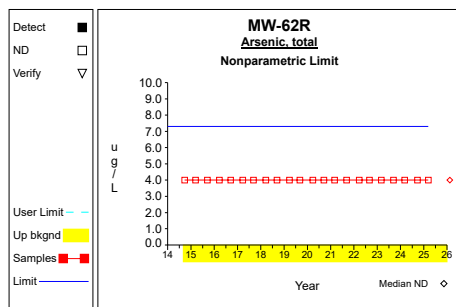


Graph 105

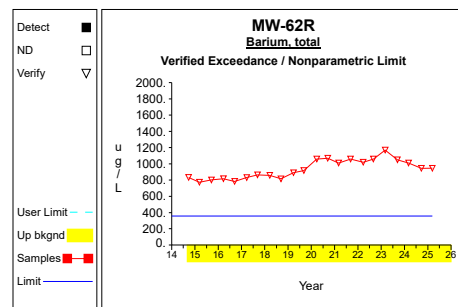
Up vs. Down Prediction Limits



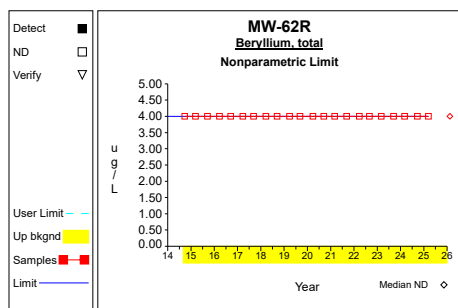
Graph 106



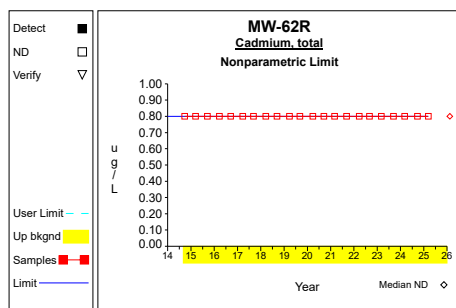
Graph 107



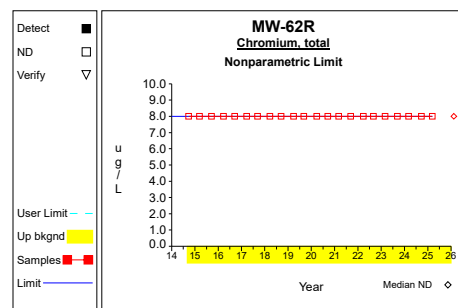
Graph 108



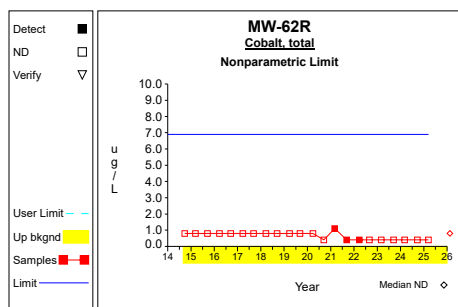
Graph 109



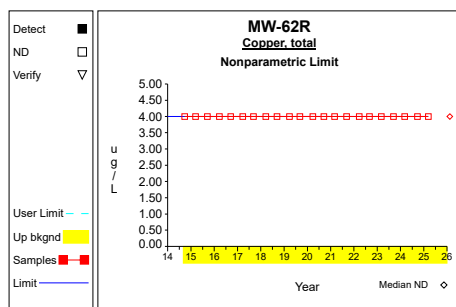
Graph 110



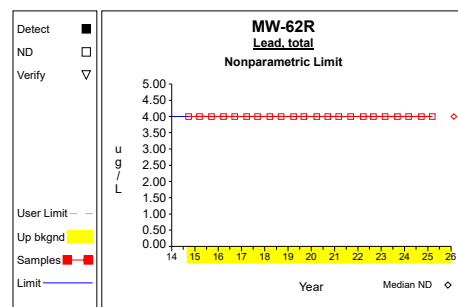
Graph 111



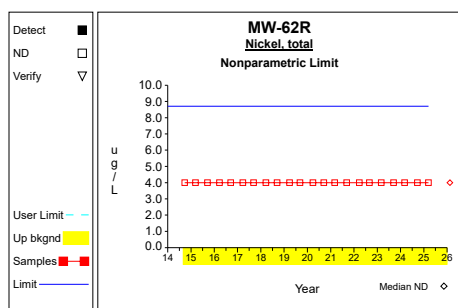
Graph 112



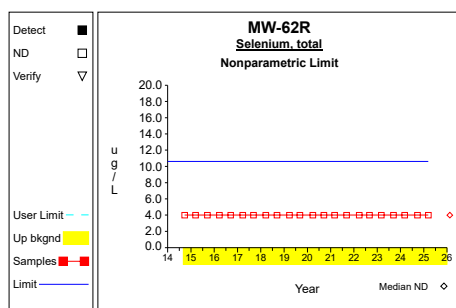
Graph 113



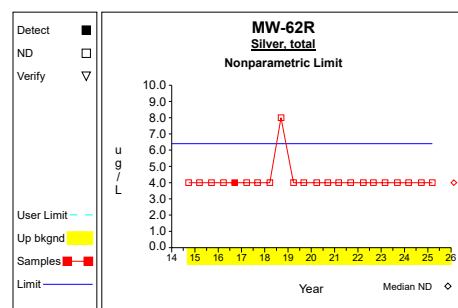
Graph 114



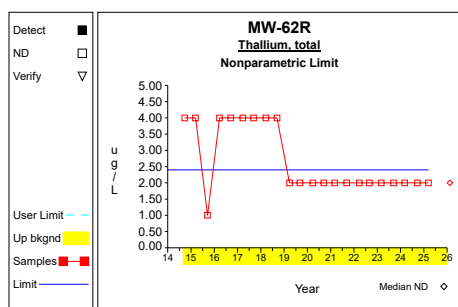
Graph 115



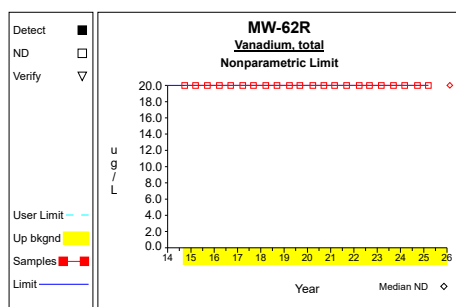
Graph 116



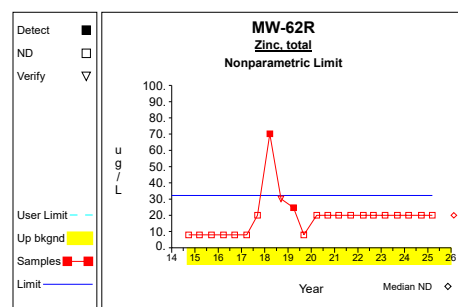
Graph 117



Graph 118

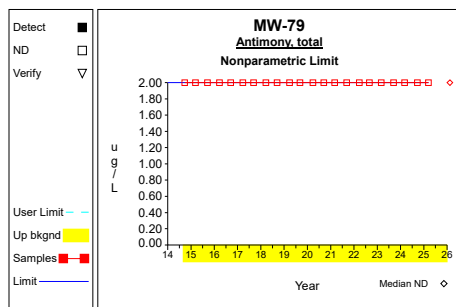


Graph 119

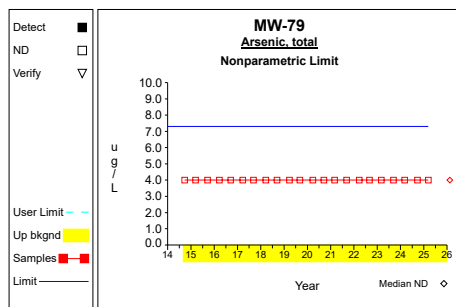


Graph 120

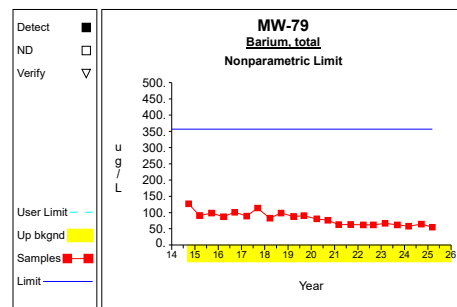
Up vs. Down Prediction Limits



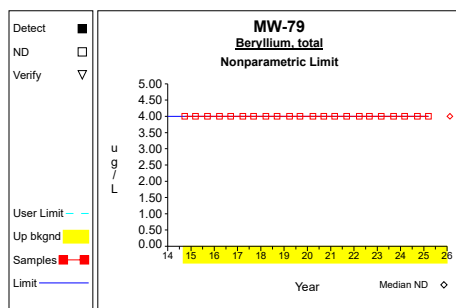
Graph 121



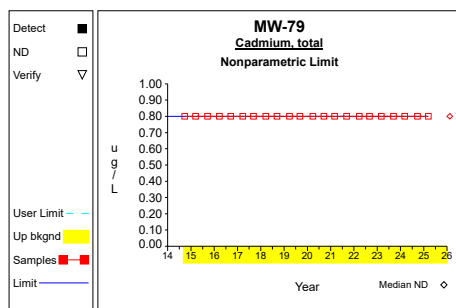
Graph 122



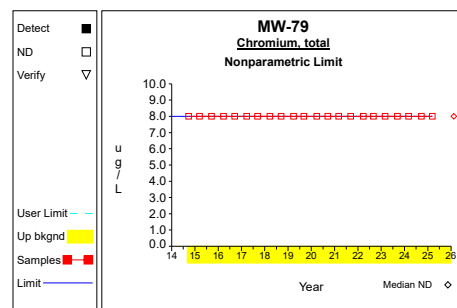
Graph 123



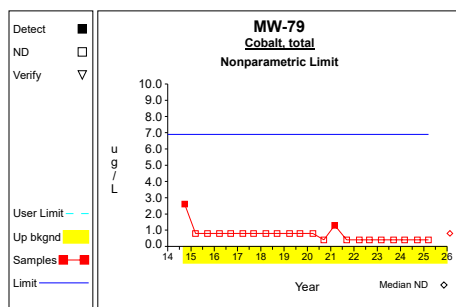
Graph 124



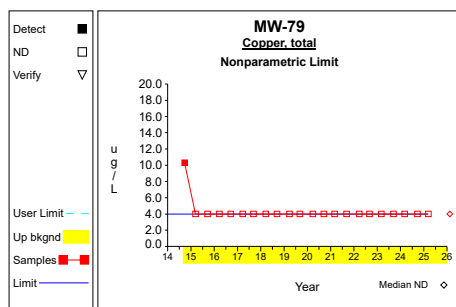
Graph 125



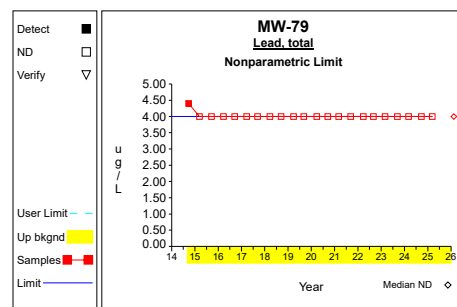
Graph 126



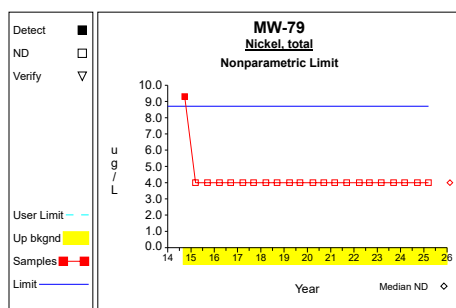
Graph 127



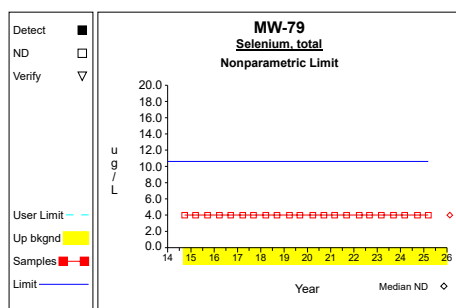
Graph 128



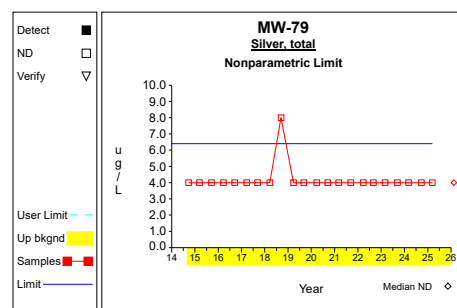
Graph 129



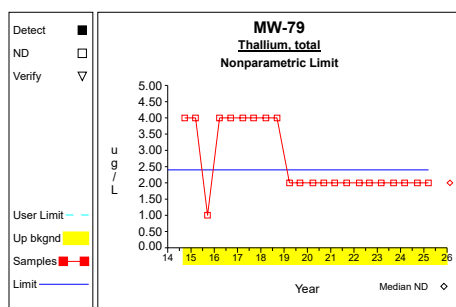
Graph 130



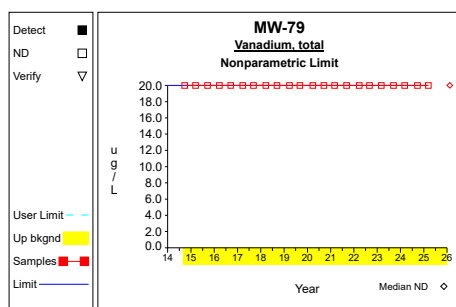
Graph 131



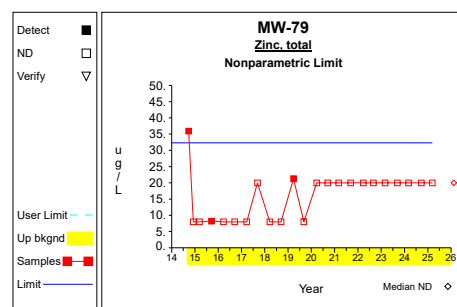
Graph 132



Graph 133

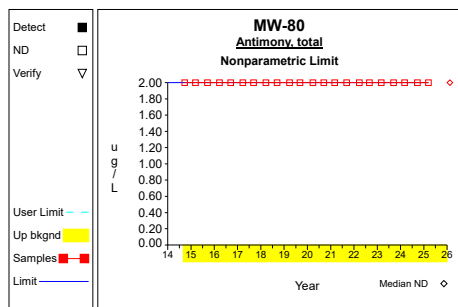


Graph 134

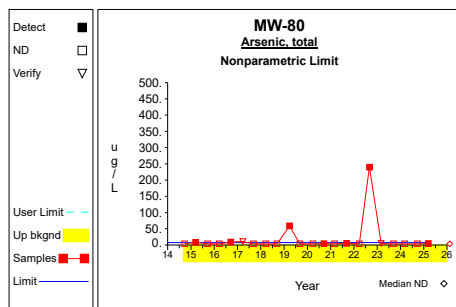


Graph 135

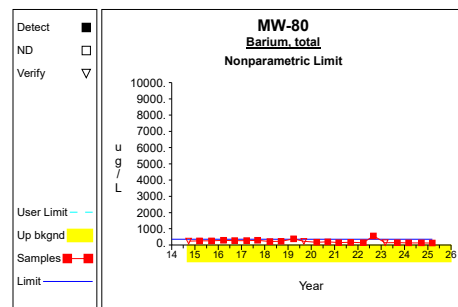
Up vs. Down Prediction Limits



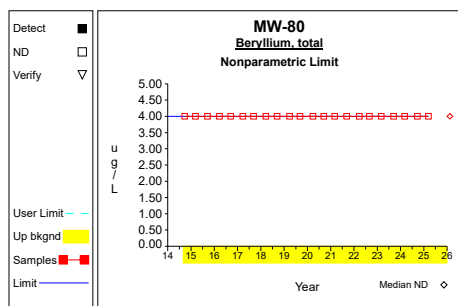
Graph 136



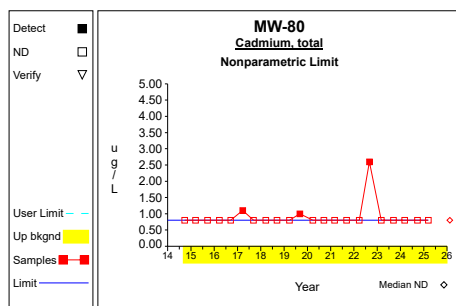
Graph 137



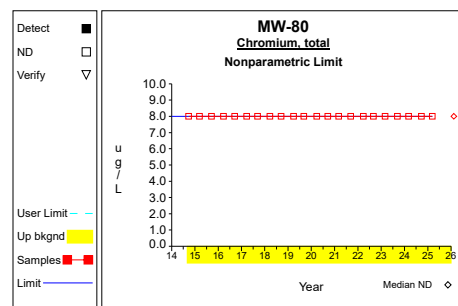
Graph 138



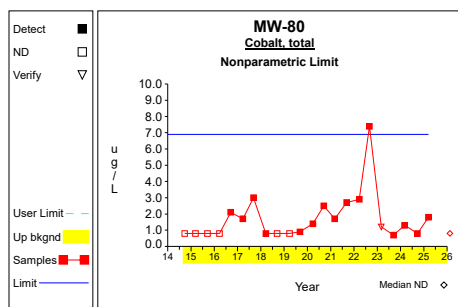
Graph 139



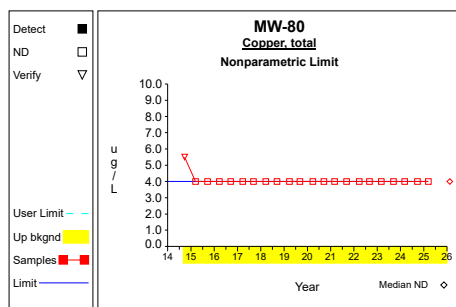
Graph 140



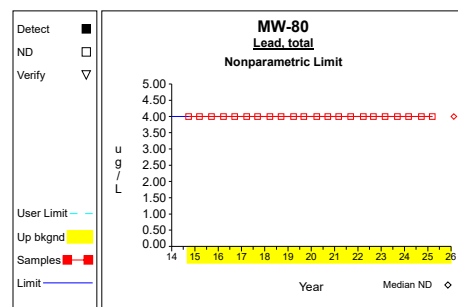
Graph 141



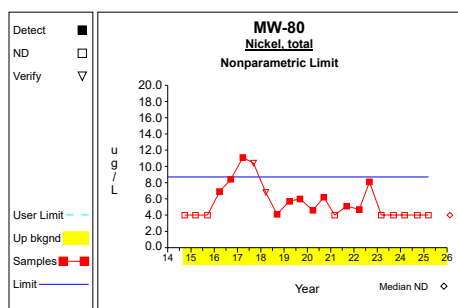
Graph 142



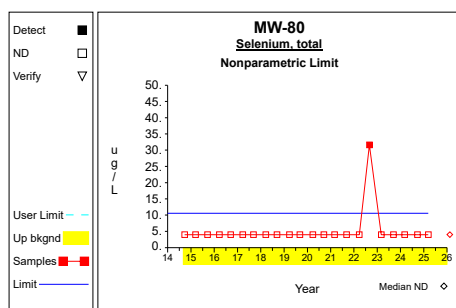
Graph 143



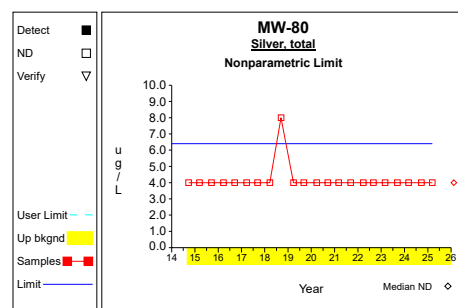
Graph 144



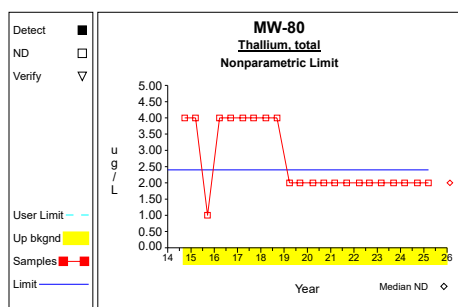
Graph 145



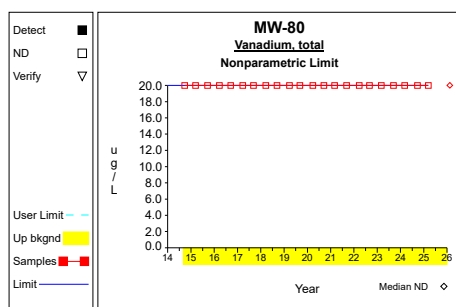
Graph 146



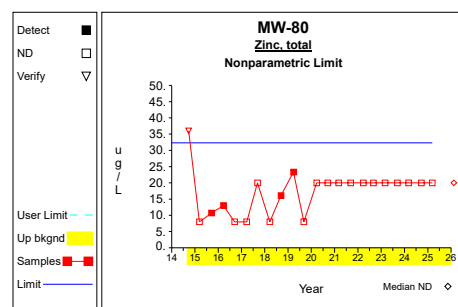
Graph 147



Graph 148

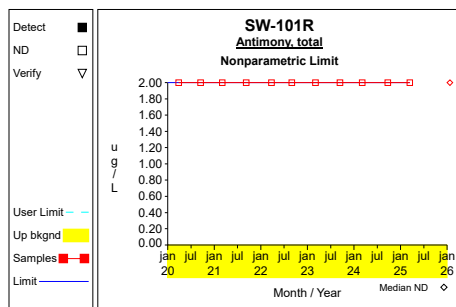


Graph 149

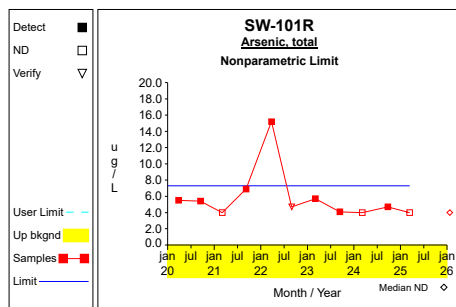


Graph 150

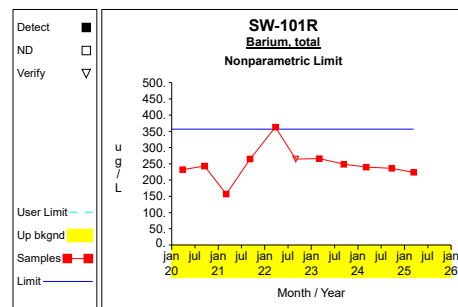
Up vs. Down Prediction Limits



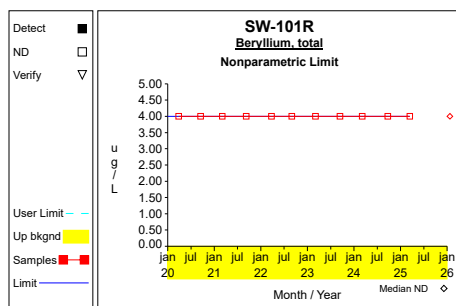
Graph 151



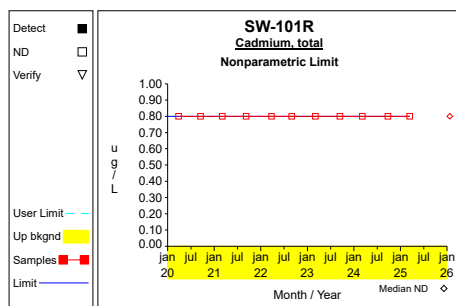
Graph 152



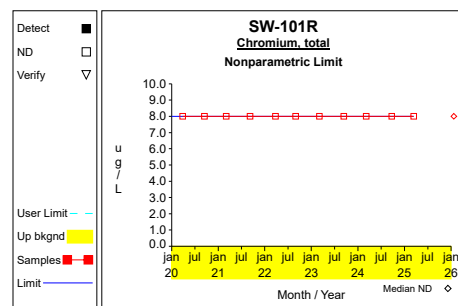
Graph 153



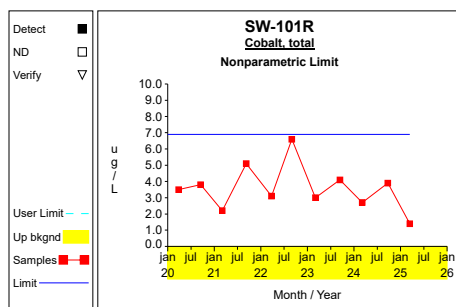
Graph 154



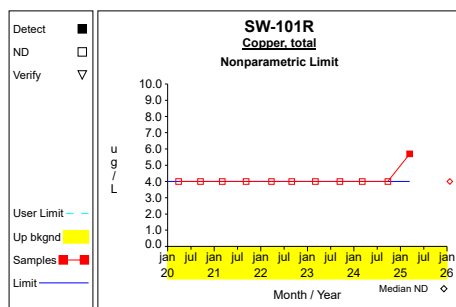
Graph 155



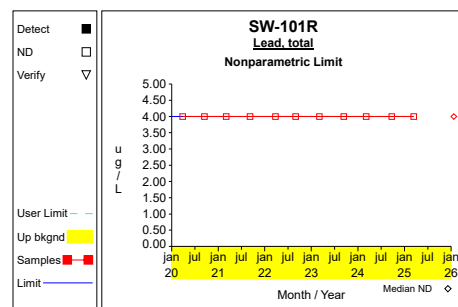
Graph 156



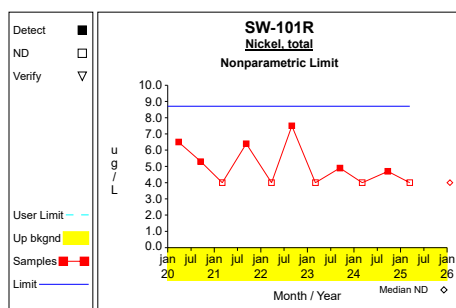
Graph 157



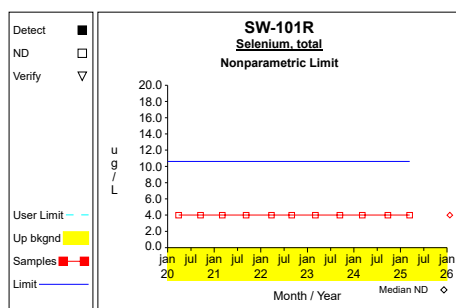
Graph 158



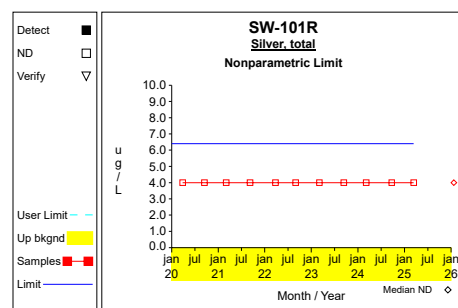
Graph 159



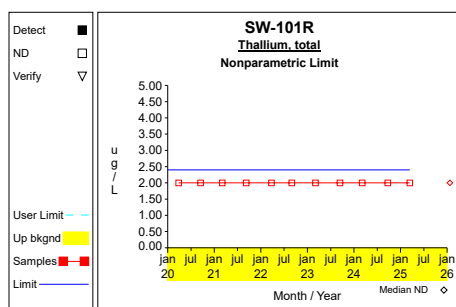
Graph 160



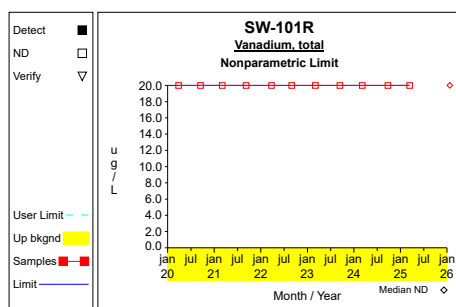
Graph 161



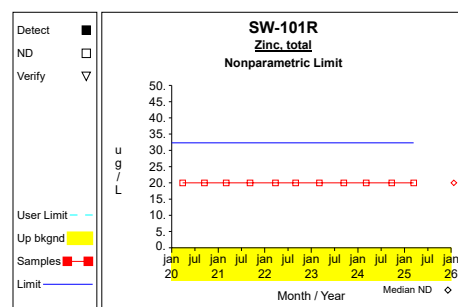
Graph 162



Graph 163

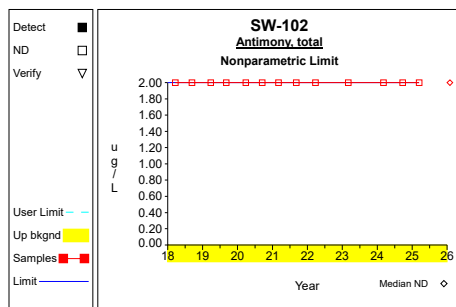


Graph 164

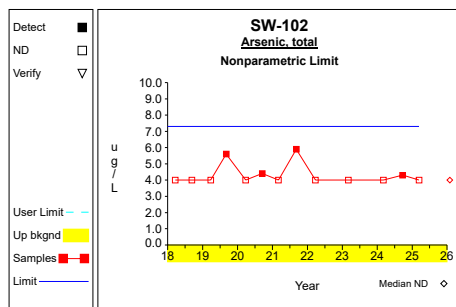


Graph 165

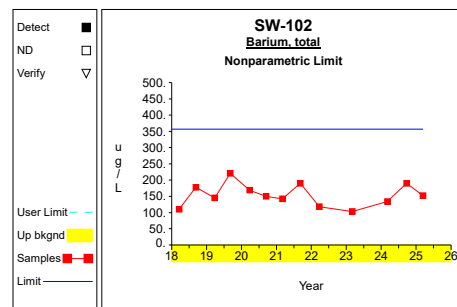
Up vs. Down Prediction Limits



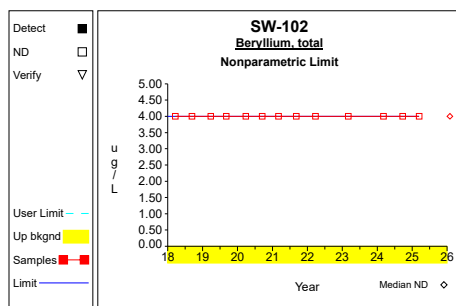
Graph 166



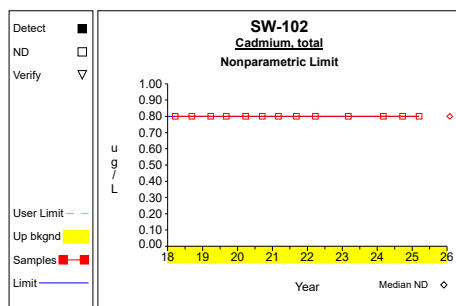
Graph 167



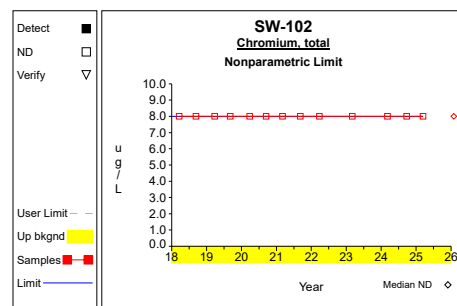
Graph 168



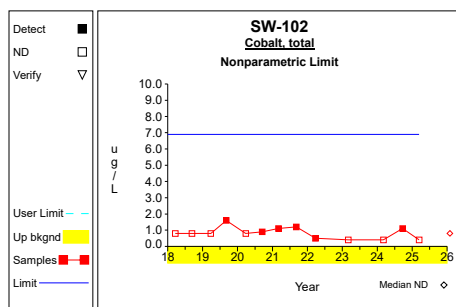
Graph 169



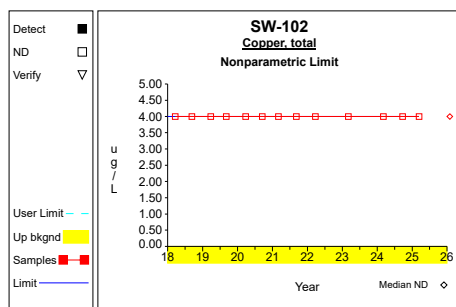
Graph 170



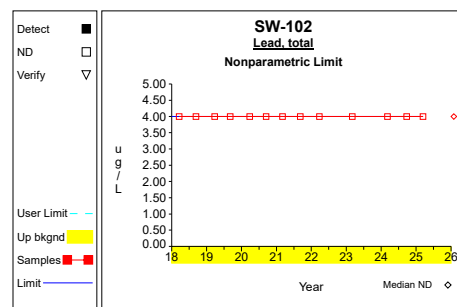
Graph 171



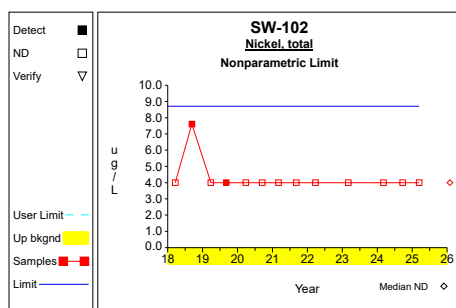
Graph 172



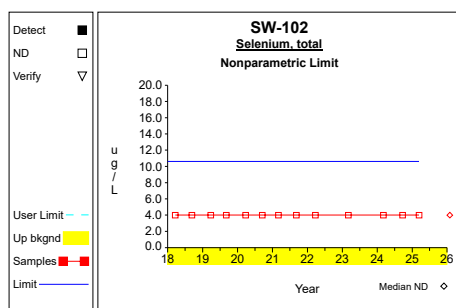
Graph 173



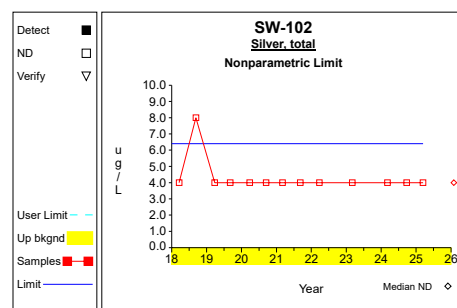
Graph 174



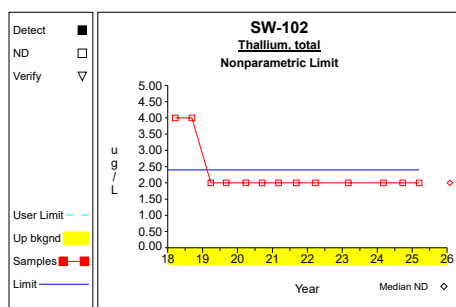
Graph 175



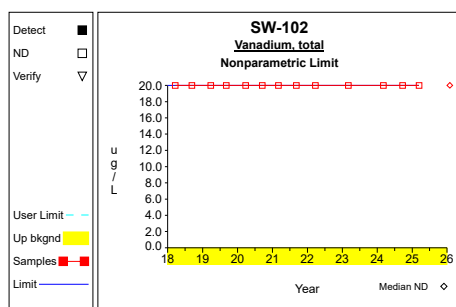
Graph 176



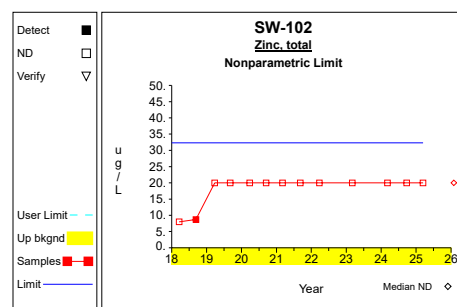
Graph 177



Graph 178

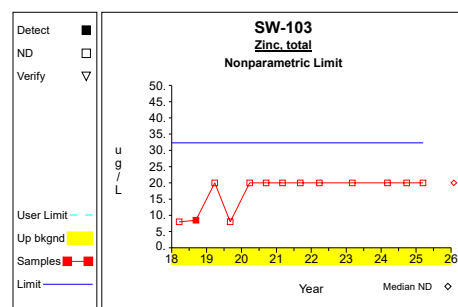
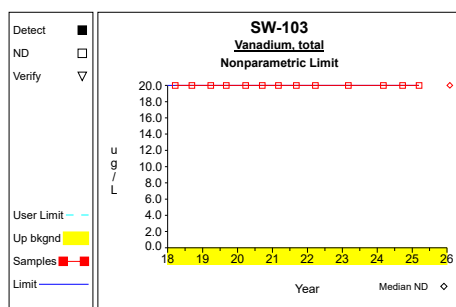
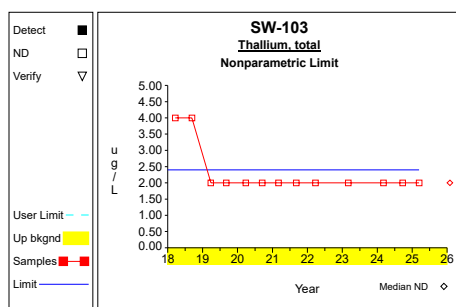
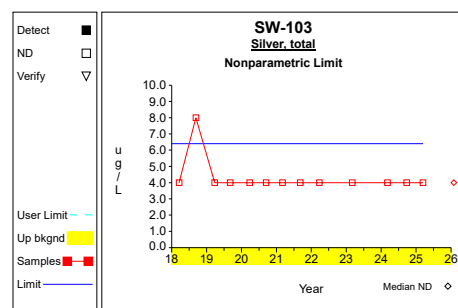
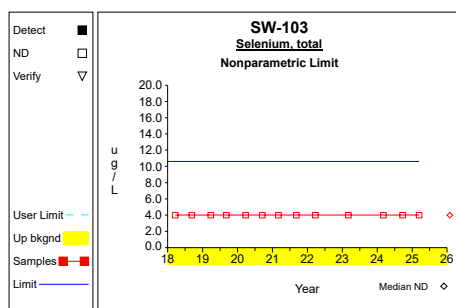
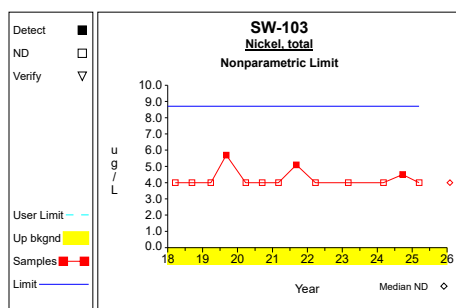
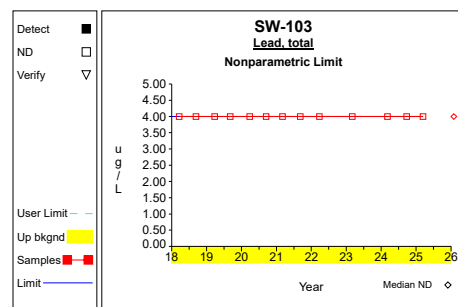
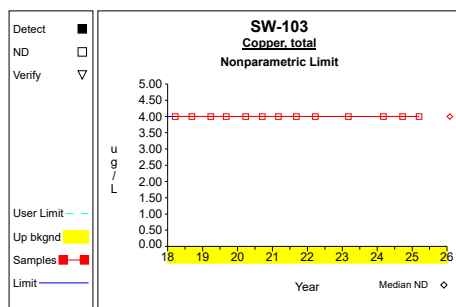
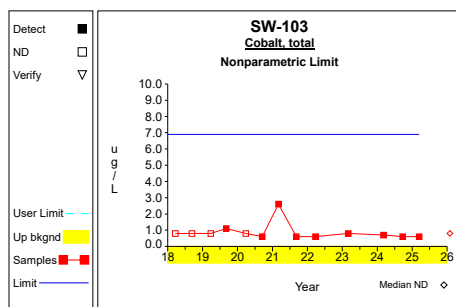
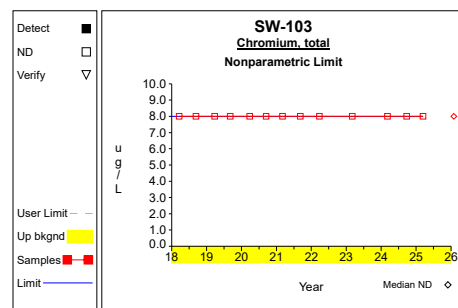
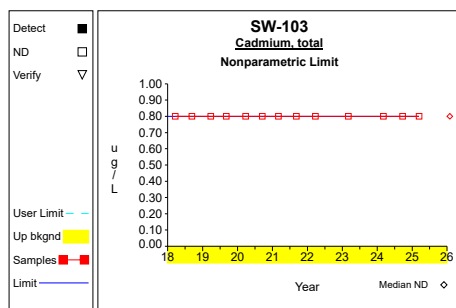
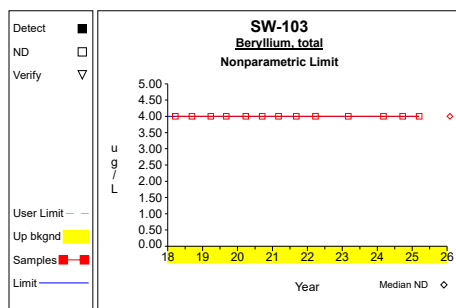
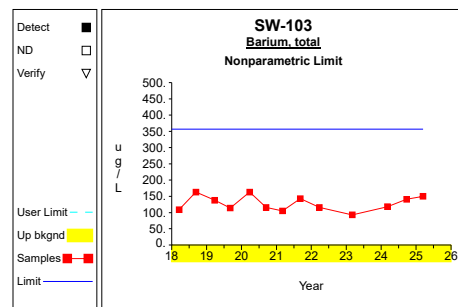
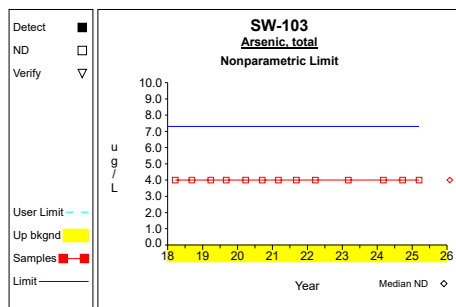
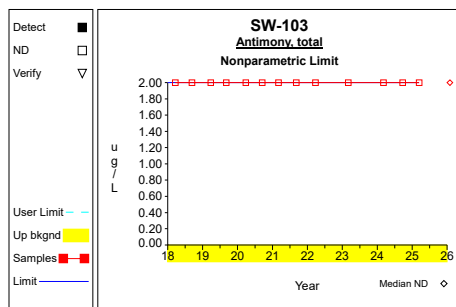


Graph 179

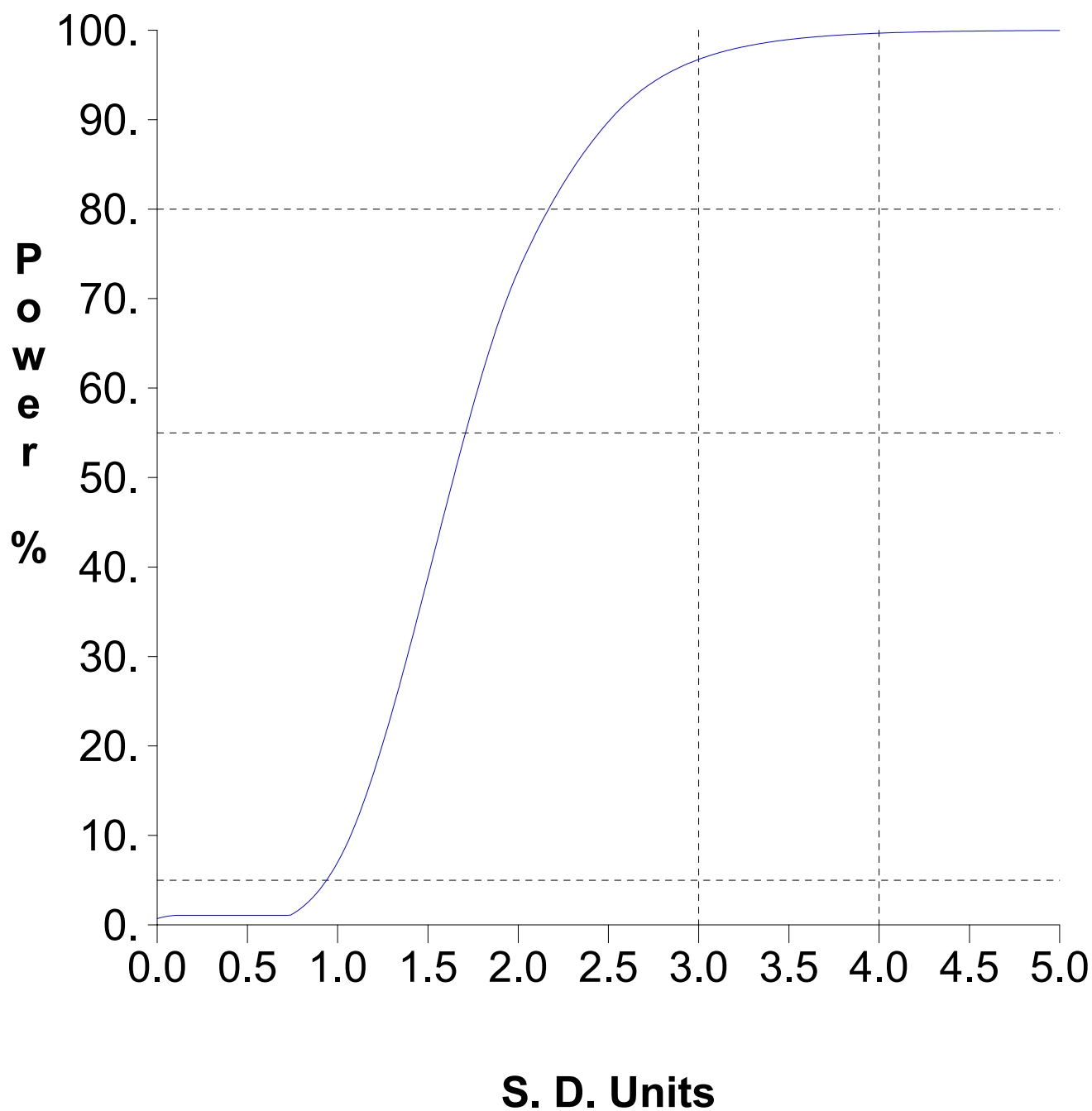


Graph 180

Up vs. Down Prediction Limits



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



Attachment C

95% LCLs for Trace Metal Exceedances

Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Arsenic, total	ug/L	MW-42	4	2.000	0.000	1.176	2.000	2.000	10.000	dec
Barium, total	ug/L	MW-42	4	19.500	1.278	1.176	17.997	21.003	2000.000	
Cobalt, total	ug/L	MW-42	4	1.900	2.064	1.176	0.000	4.328	2.100	
Copper, total	ug/L	MW-42	4	2.000	0.000	1.176	2.000	2.000	1300.000	
Nickel, total	ug/L	MW-42	4	3.525	1.773	1.176	1.440	5.610	100.000	
Arsenic, total	ug/L	MW-58	4	2.000	0.000	1.176	2.000	2.000	10.000	dec
Barium, total	ug/L	MW-58	4	22.050	1.266	1.176	20.561	23.539	2000.000	
Cobalt, total	ug/L	MW-58	4	0.400	0.000	1.176	0.400	0.400	2.100	
Copper, total	ug/L	MW-58	4	2.000	0.000	1.176	2.000	2.000	1300.000	
Nickel, total	ug/L	MW-58	4	14.350	1.714	1.176	12.334	16.366	100.000	
Arsenic, total	ug/L	MW-59	4	2.000	0.000	1.176	2.000	2.000	10.000	dec
Barium, total	ug/L	MW-59	4	34.650	14.211	1.176	17.934	51.366	2000.000	
Cobalt, total	ug/L	MW-59	4	0.400	0.000	1.176	0.400	0.400	2.100	
Copper, total	ug/L	MW-59	4	3.175	2.350	1.176	0.411	5.939	1300.000	
Nickel, total	ug/L	MW-59	4	2.000	0.000	1.176	2.000	2.000	100.000	
Arsenic, total	ug/L	MW-60	4	2.000	0.000	1.176	2.000	2.000	10.000	
Barium, total	ug/L	MW-60	4	222.000	70.786	1.176	138.735	305.265	2000.000	
Cobalt, total	ug/L	MW-60	4	2.200	2.961	1.176	0.000	5.683	2.100	
Copper, total	ug/L	MW-60	4	2.625	1.250	1.176	1.155	4.095	1300.000	
Nickel, total	ug/L	MW-60	4	15.725	14.055	1.176	0.000	32.257	100.000	
Arsenic, total	ug/L	MW-61	4	2.000	0.000	1.176	2.000	2.000	10.000	dec
Barium, total	ug/L	MW-61	4	86.175	73.232	1.176	0.033	172.317	2000.000	
Cobalt, total	ug/L	MW-61	4	0.400	0.000	1.176	0.400	0.400	2.100	
Copper, total	ug/L	MW-61	4	2.750	1.500	1.176	0.986	4.514	1300.000	
Nickel, total	ug/L	MW-61	4	3.600	1.876	1.176	1.393	5.807	100.000	
Arsenic, total	ug/L	MW-62R	4	2.000	0.000	1.176	2.000	2.000	10.000	inc
Barium, total	ug/L	MW-62R	4	987.750	51.448	1.176	927.232	1048.268	2000.000	
Cobalt, total	ug/L	MW-62R	4	0.400	0.000	1.176	0.400	0.400	2.100	
Copper, total	ug/L	MW-62R	4	2.000	0.000	1.176	2.000	2.000	1300.000	
Nickel, total	ug/L	MW-62R	4	2.000	0.000	1.176	2.000	2.000	100.000	
Arsenic, total	ug/L	MW-80	4	2.650	1.300	1.176	1.121	4.179	10.000	dec
Barium, total	ug/L	MW-80	4	134.750	8.180	1.176	125.128	144.372	2000.000	
Cobalt, total	ug/L	MW-80	4	1.150	0.507	1.176	0.554	1.746	2.100	dec
Copper, total	ug/L	MW-80	4	2.000	0.000	1.176	2.000	2.000	1300.000	
Nickel, total	ug/L	MW-80	4	2.000	0.000	1.176	2.000	2.000	100.000	
Arsenic, total	ug/L	SW-101R	4	3.200	1.407	1.176	1.545	4.855	10.000	
Barium, total	ug/L	SW-101R	4	237.250	10.372	1.176	225.049	249.451	2000.000	
Cobalt, total	ug/L	SW-101R	4	3.025	1.247	1.176	1.558	4.492	2.100	
Copper, total	ug/L	SW-101R	4	2.925	1.850	1.176	0.749	5.101	1300.000	
Nickel, total	ug/L	SW-101R	4	3.400	1.619	1.176	1.496	5.304	100.000	

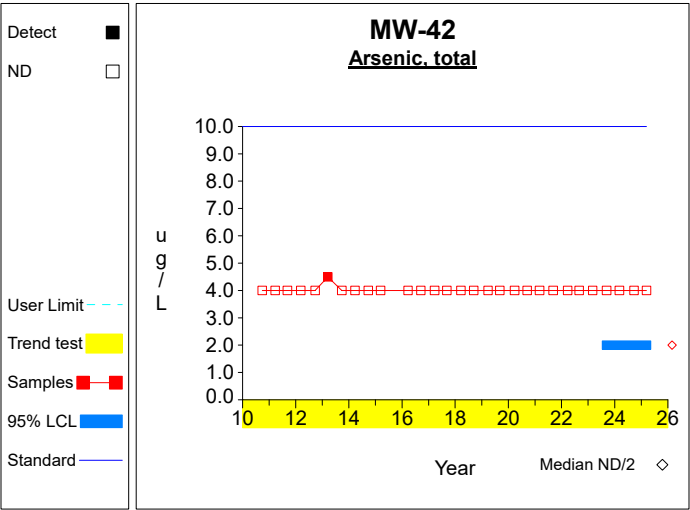
* - Insufficient Data

** - Significant Exceedance

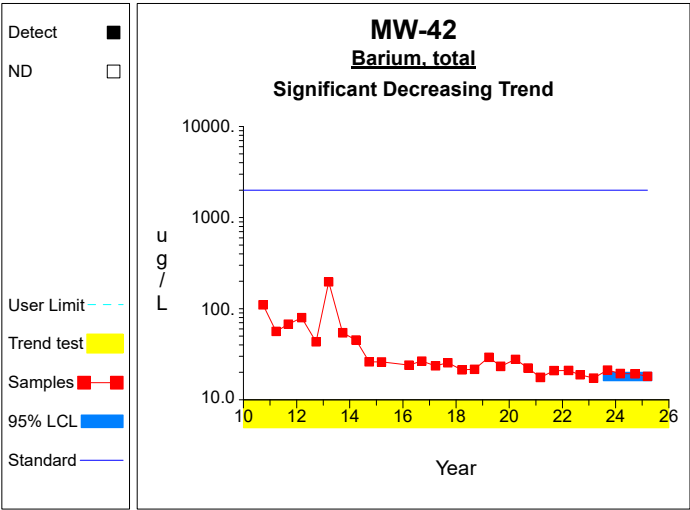
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

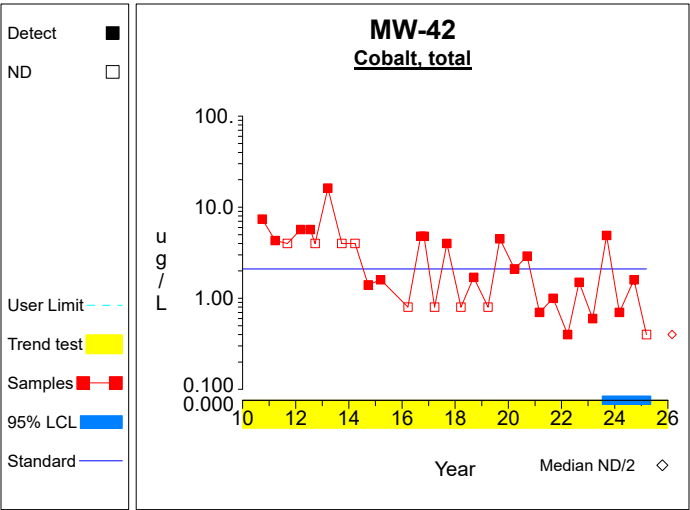
Confidence Limits (Assessment)



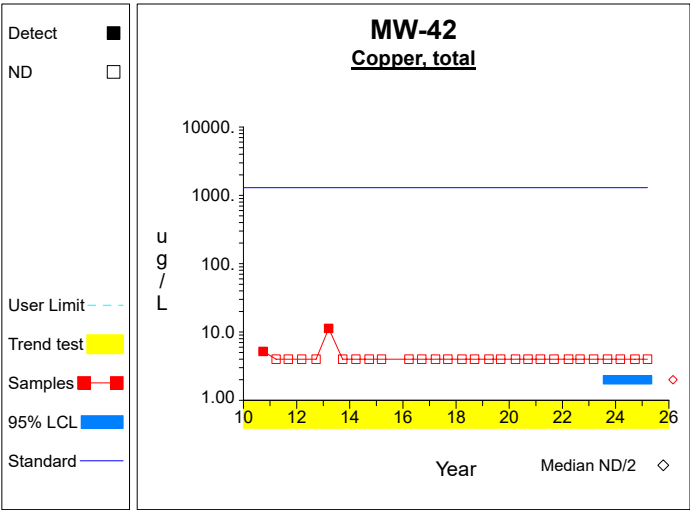
Graph 1



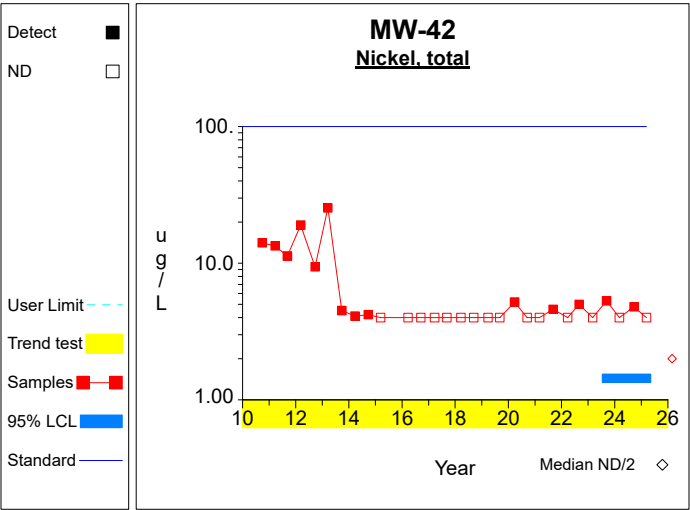
Graph 2



Graph 3

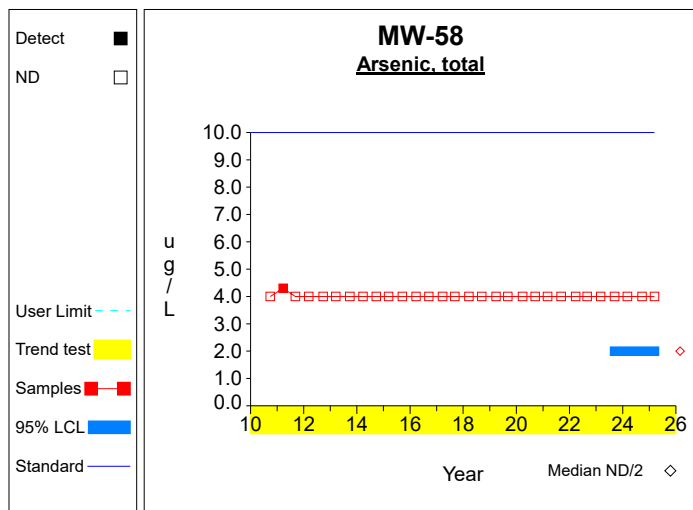


Graph 4

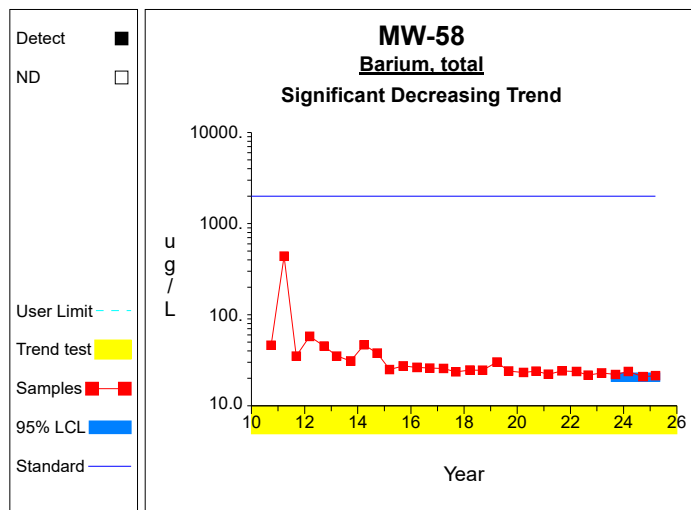


Graph 5

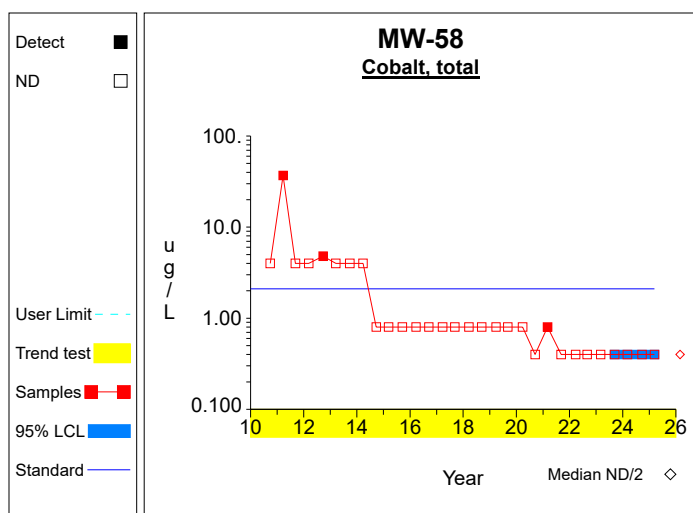
Confidence Limits (Assessment)



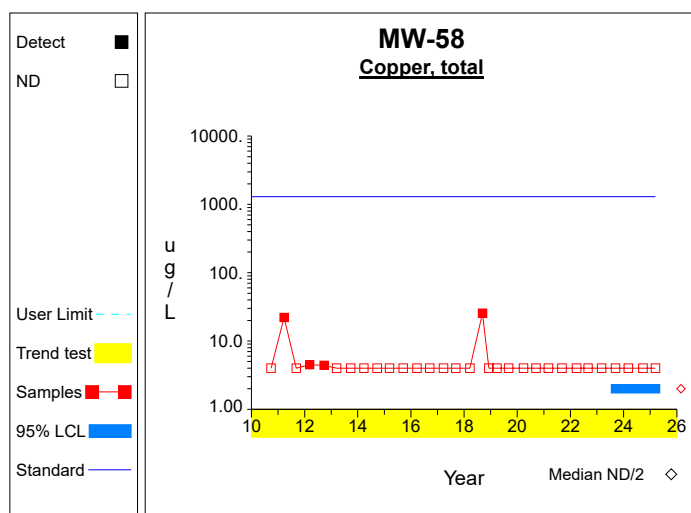
Graph 6



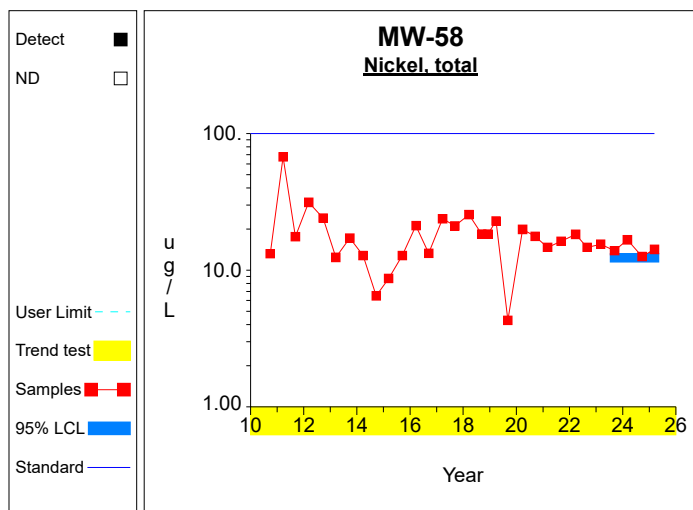
Graph 7



Graph 8

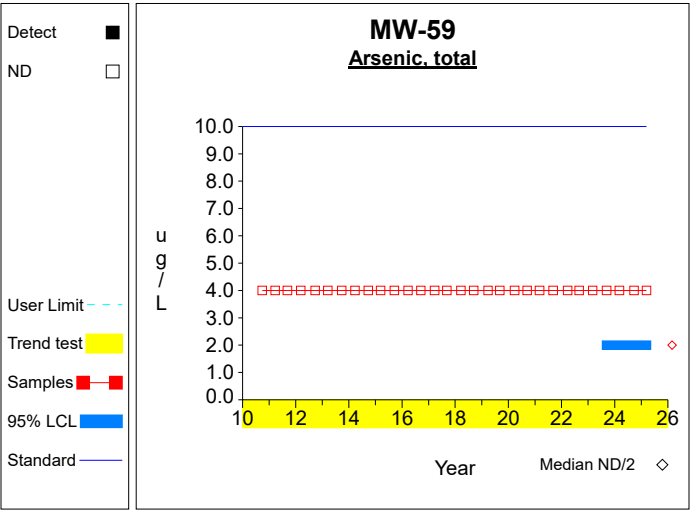


Graph 9

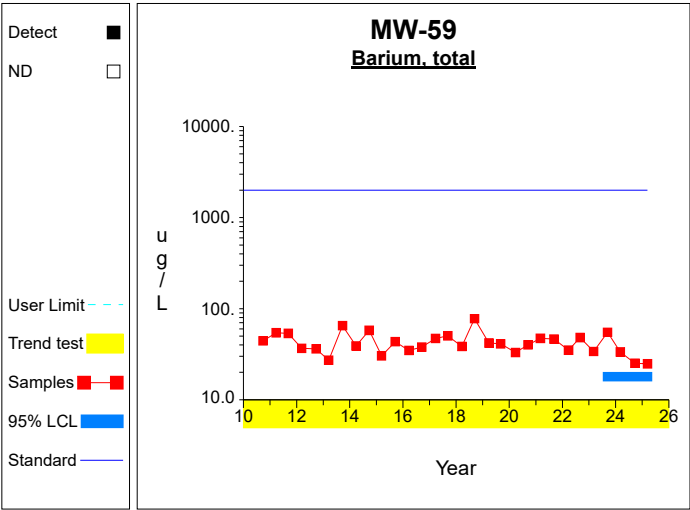


Graph 10

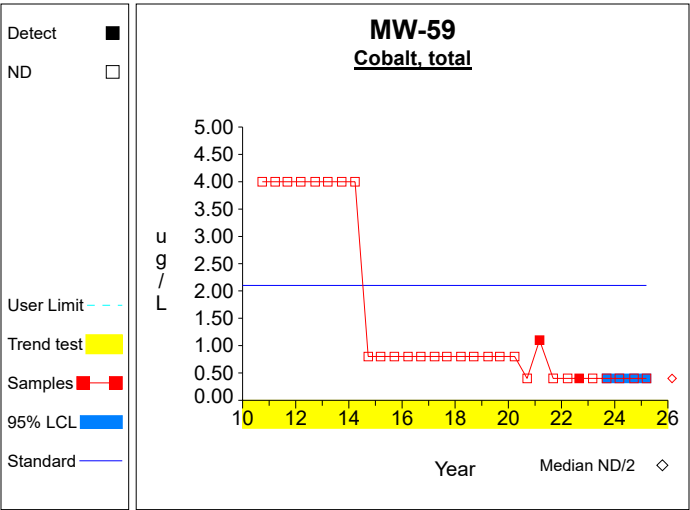
Confidence Limits (Assessment)



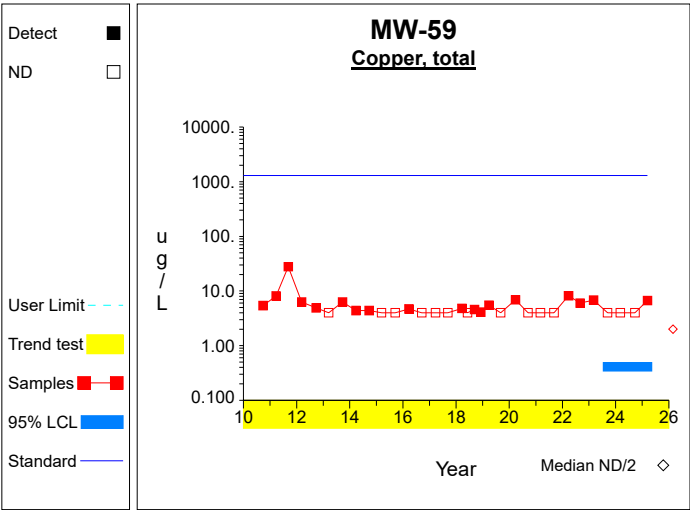
Graph 11



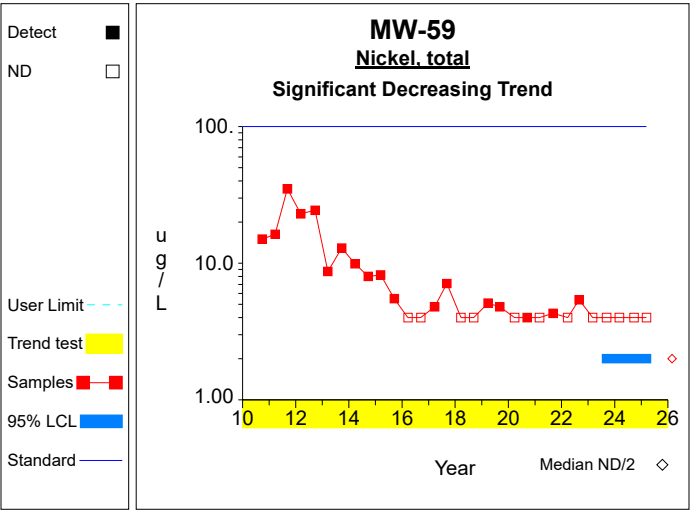
Graph 12



Graph 13

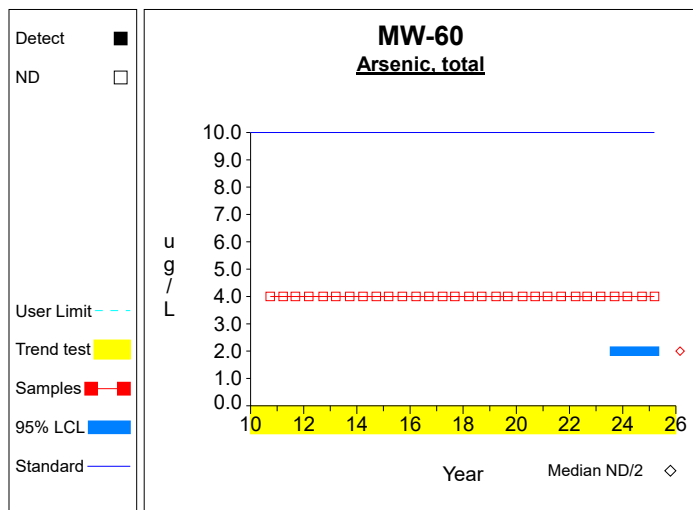


Graph 14

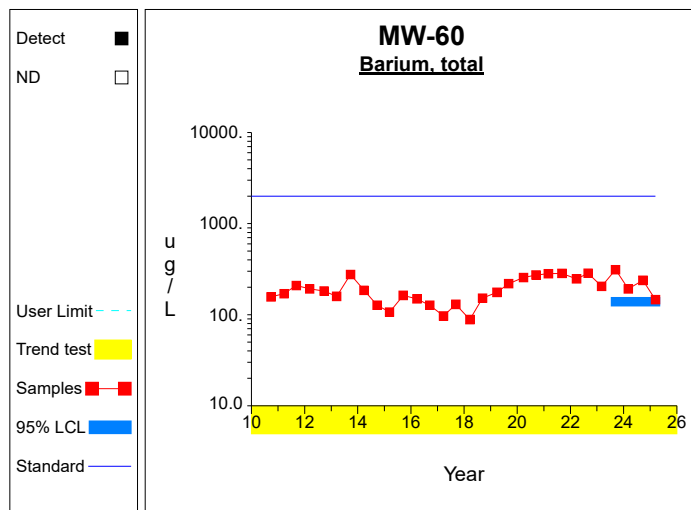


Graph 15

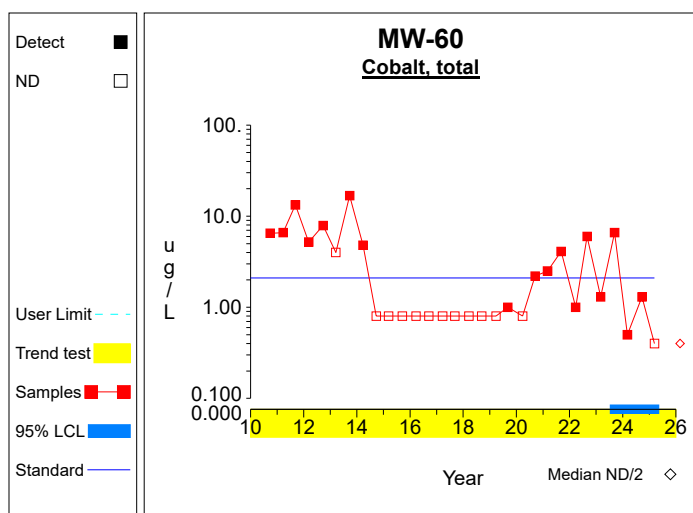
Confidence Limits (Assessment)



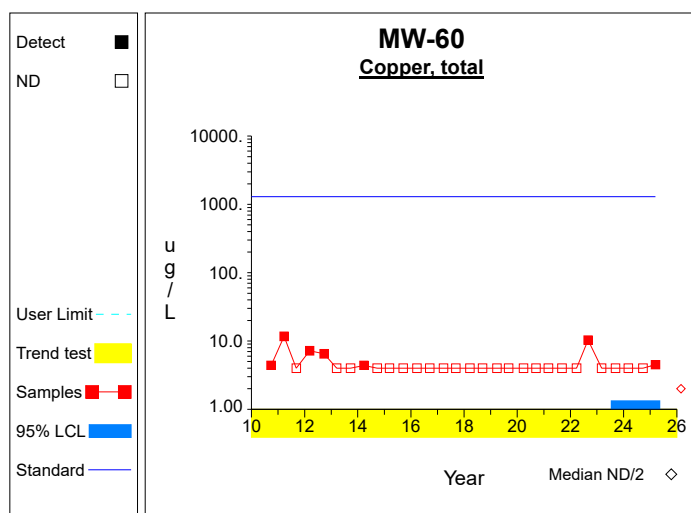
Graph 16



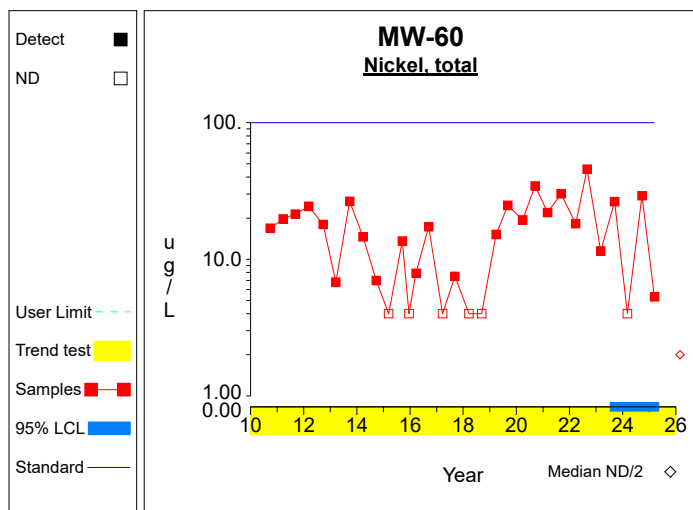
Graph 17



Graph 18

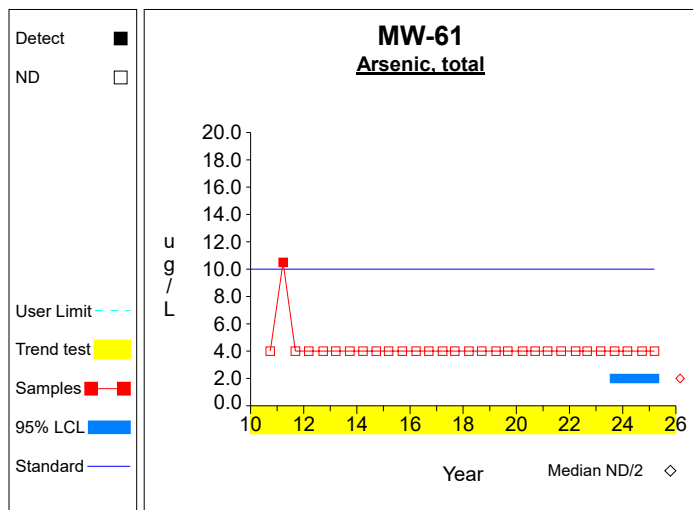


Graph 19

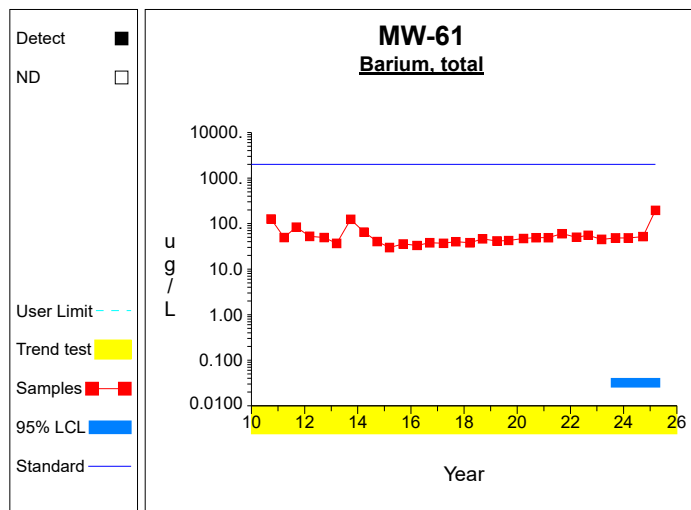


Graph 20

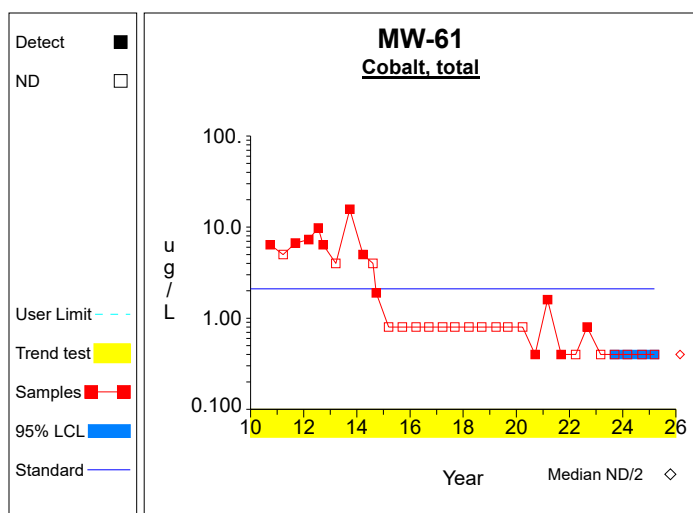
Confidence Limits (Assessment)



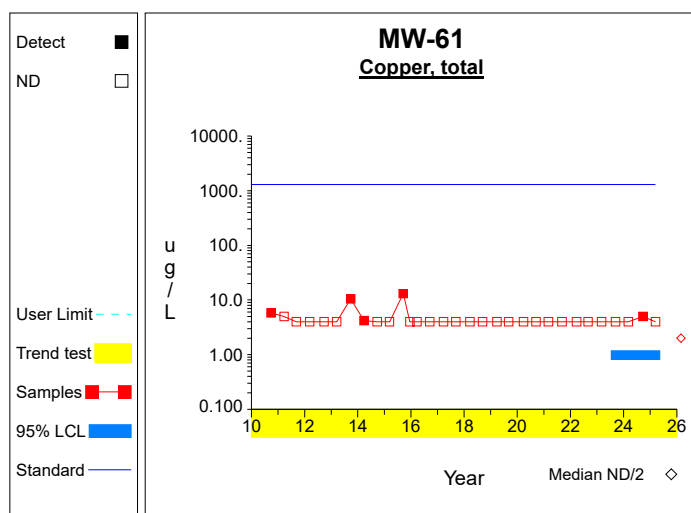
Graph 21



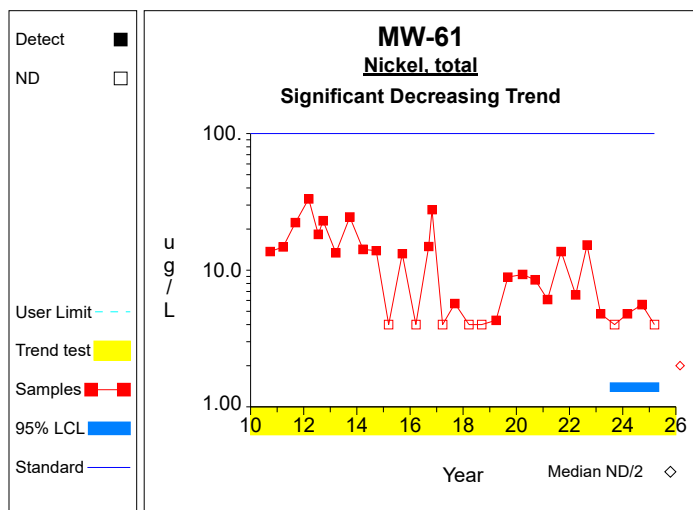
Graph 22



Graph 23

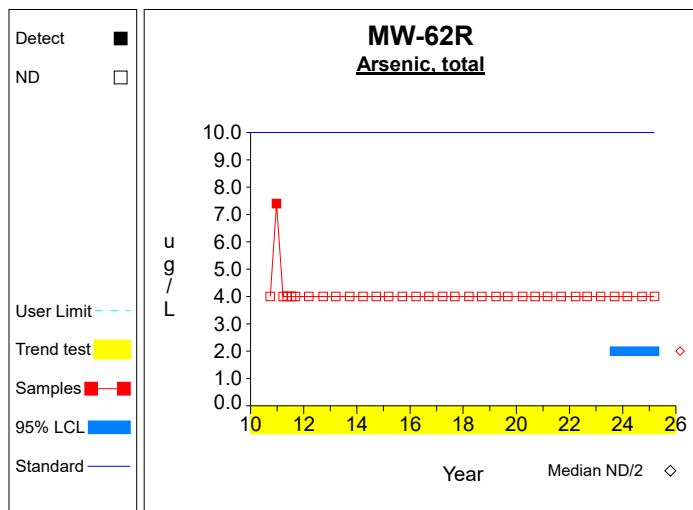


Graph 24

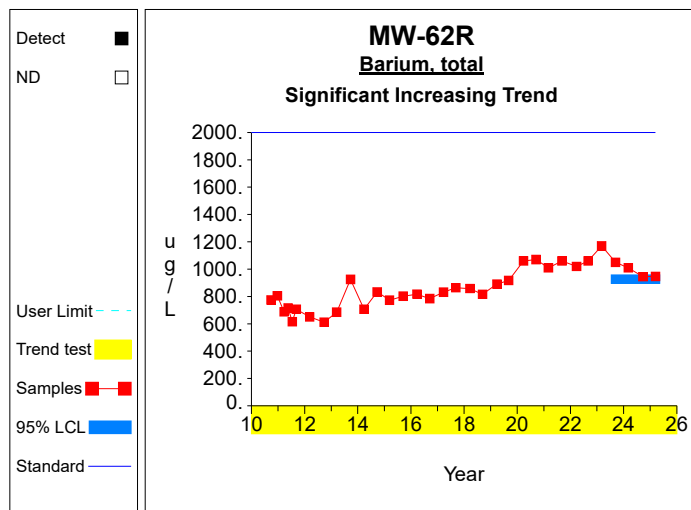


Graph 25

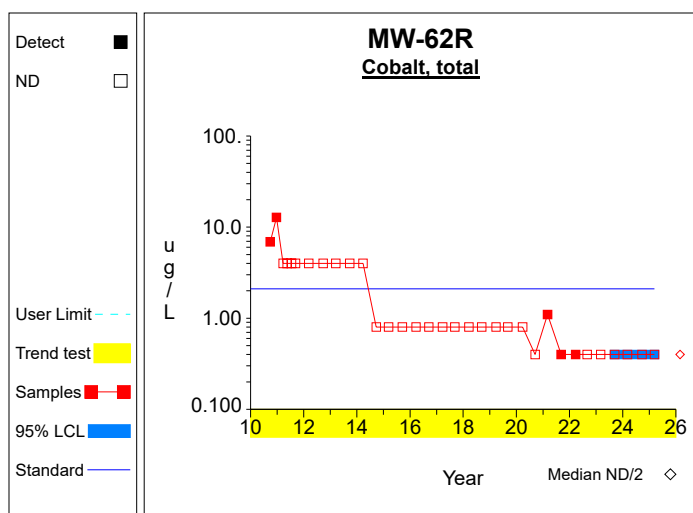
Confidence Limits (Assessment)



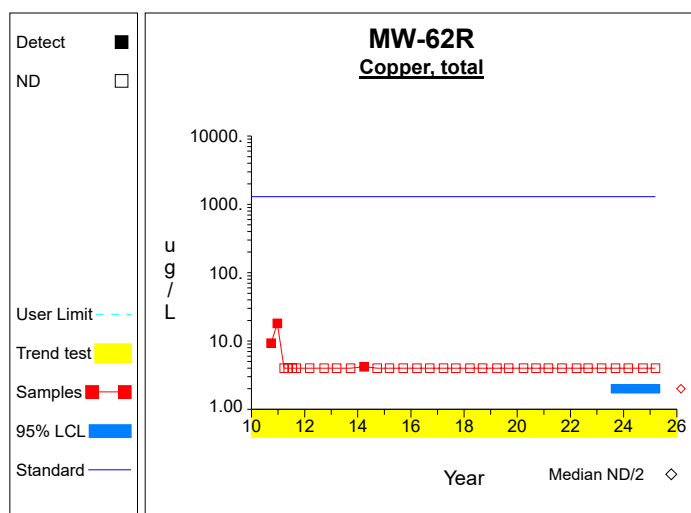
Graph 26



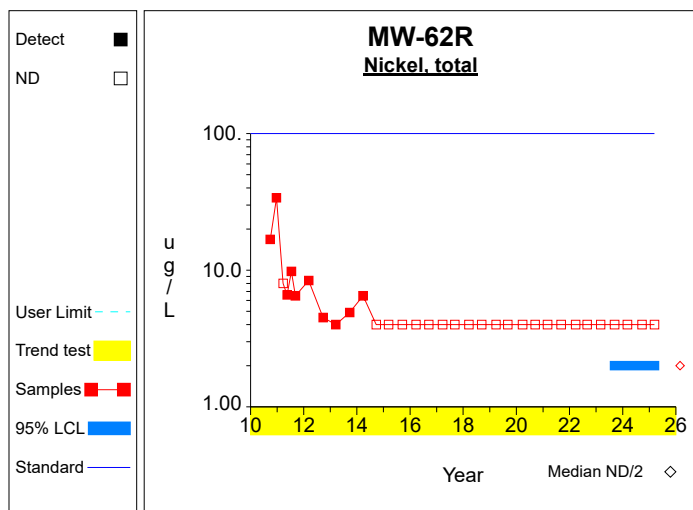
Graph 27



Graph 28

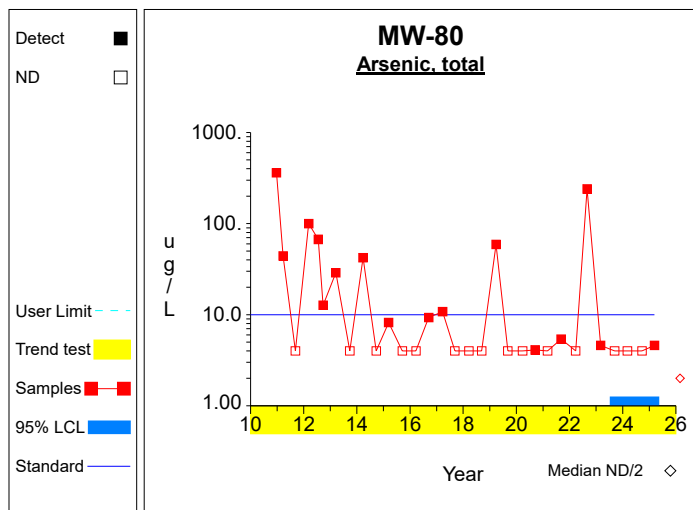


Graph 29

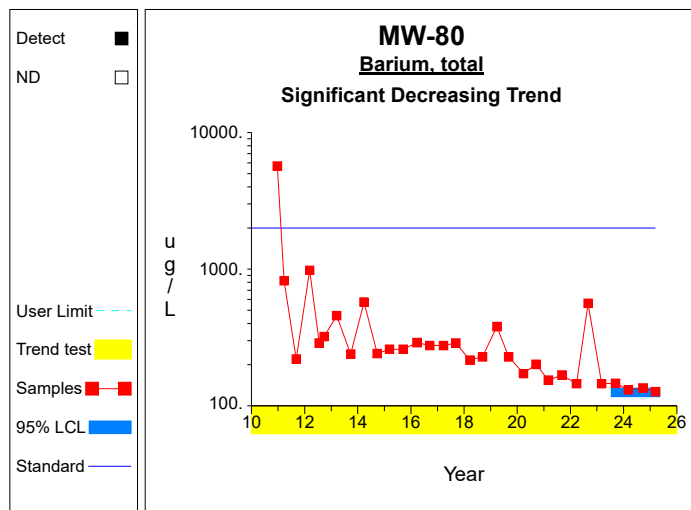


Graph 30

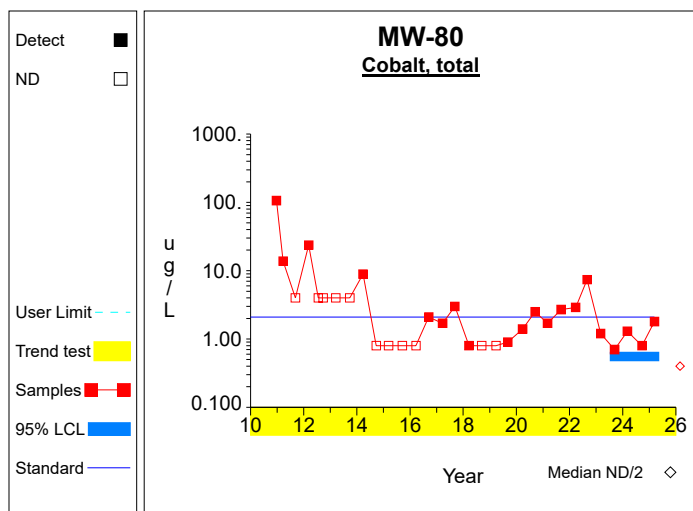
Confidence Limits (Assessment)



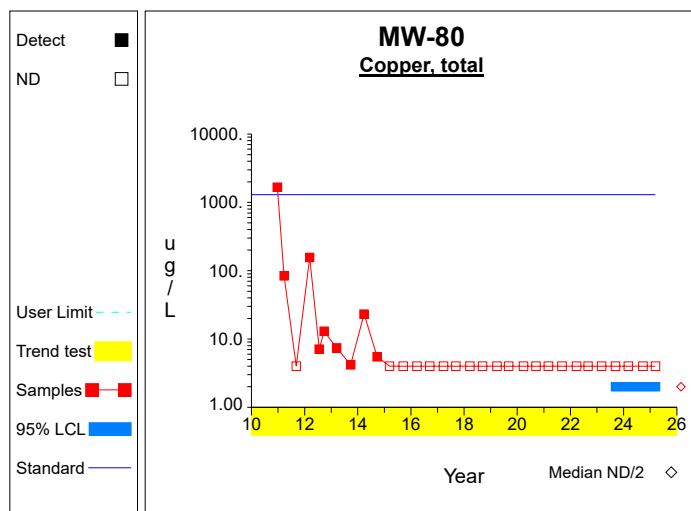
Graph 31



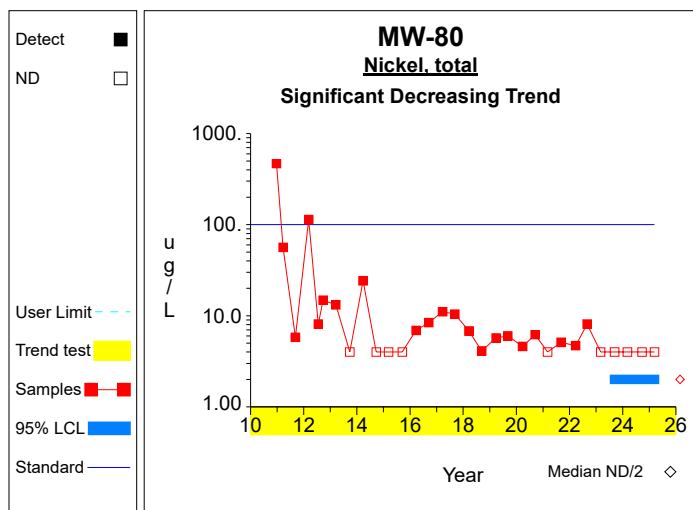
Graph 32



Graph 33

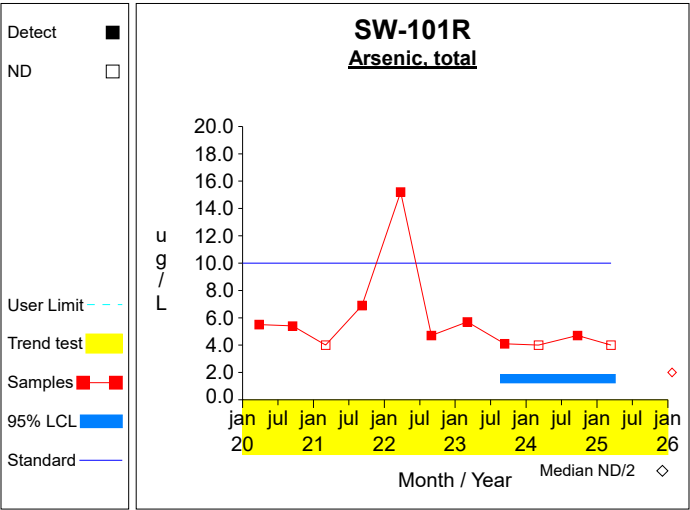


Graph 34

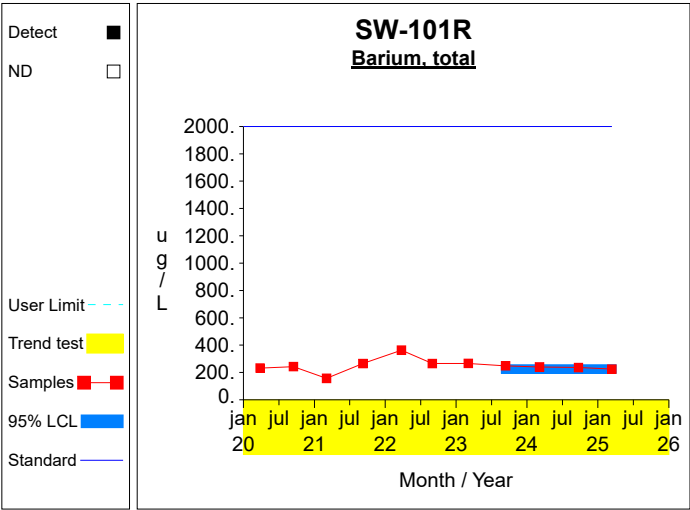


Graph 35

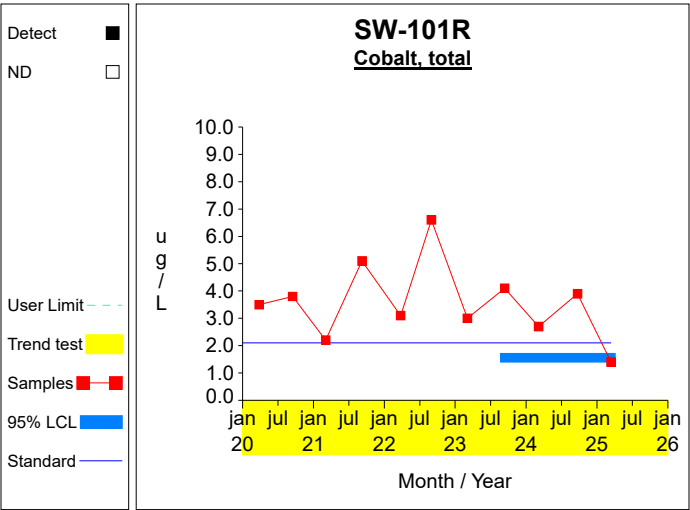
Confidence Limits (Assessment)



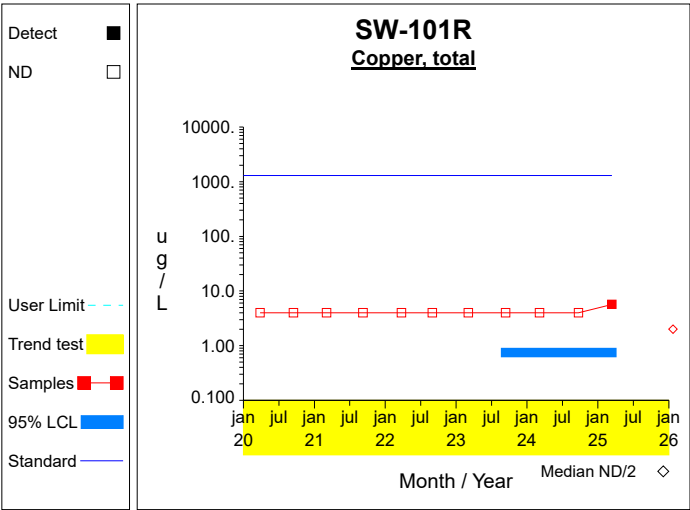
Graph 36



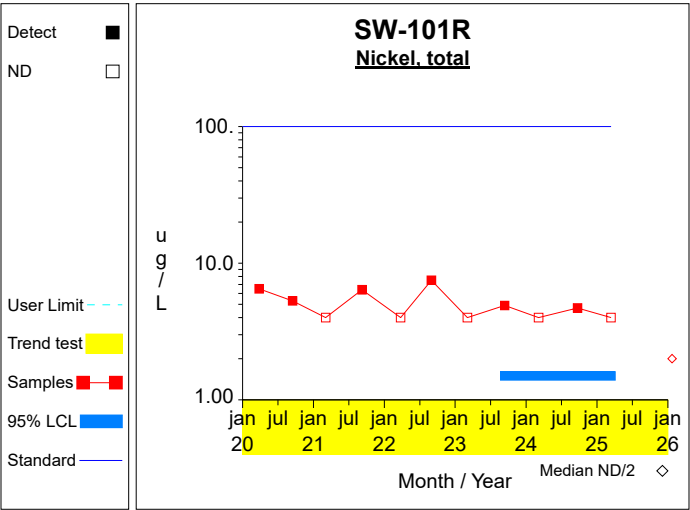
Graph 37



Graph 38



Graph 39



Graph 40

Attachment D

Summary Tables and Graphs for the Interwell Comparisons – Old Landfill

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-39	09/24/2014	ND	2.0000		
Antimony, total	ug/L	MW-39	12/05/2014	ND	2.0000		
Antimony, total	ug/L	MW-39	03/11/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	06/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	09/17/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	03/22/2016	ND	2.0000		
Antimony, total	ug/L	MW-39	09/15/2016	ND	2.0000		
Antimony, total	ug/L	MW-39	03/23/2017	ND	2.0000		
Antimony, total	ug/L	MW-39	09/08/2017	ND	2.0000		
Antimony, total	ug/L	MW-39	03/19/2018	ND	2.0000		
Antimony, total	ug/L	MW-39	09/11/2018	ND	2.0000		
Antimony, total	ug/L	MW-39	03/26/2019	ND	2.0000		
Antimony, total	ug/L	MW-39	09/04/2019	ND	2.0000		
Antimony, total	ug/L	MW-39	03/26/2020	ND	2.0000		
Antimony, total	ug/L	MW-39	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-39	03/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-39	09/07/2021	ND	2.0000		
Antimony, total	ug/L	MW-39	03/24/2022	ND	2.0000		
Antimony, total	ug/L	MW-39	08/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-39	03/02/2023	ND	2.0000		
Antimony, total	ug/L	MW-39	09/12/2023	ND	2.0000		
Antimony, total	ug/L	MW-39	03/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-39	09/23/2024	ND	2.0000		
Antimony, total	ug/L	MW-39	03/12/2025	ND	2.0000		
Arsenic, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Arsenic, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Arsenic, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Barium, total	ug/L	MW-39	09/24/2014		60.6000		
Barium, total	ug/L	MW-39	12/05/2014		139.0000		
Barium, total	ug/L	MW-39	03/11/2015		136.0000		
Barium, total	ug/L	MW-39	06/16/2015		148.0000		
Barium, total	ug/L	MW-39	09/17/2015		128.0000		
Barium, total	ug/L	MW-39	03/22/2016		123.0000		
Barium, total	ug/L	MW-39	09/15/2016		103.0000		
Barium, total	ug/L	MW-39	03/23/2017		129.0000		
Barium, total	ug/L	MW-39	09/08/2017		117.0000		
Barium, total	ug/L	MW-39	03/19/2018		131.0000		
Barium, total	ug/L	MW-39	09/11/2018		114.0000		
Barium, total	ug/L	MW-39	03/26/2019		121.0000		
Barium, total	ug/L	MW-39	09/04/2019		138.0000		
Barium, total	ug/L	MW-39	03/26/2020		150.0000		
Barium, total	ug/L	MW-39	09/15/2020		136.0000		
Barium, total	ug/L	MW-39	03/02/2021		125.0000		
Barium, total	ug/L	MW-39	09/07/2021		141.0000		
Barium, total	ug/L	MW-39	03/24/2022		137.0000		
Barium, total	ug/L	MW-39	08/31/2022		132.0000		
Barium, total	ug/L	MW-39	03/02/2023		134.0000		
Barium, total	ug/L	MW-39	09/12/2023		133.0000		
Barium, total	ug/L	MW-39	03/04/2024		128.0000		
Barium, total	ug/L	MW-39	09/23/2024		119.0000		
Barium, total	ug/L	MW-39	03/12/2025		135.0000		
Beryllium, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Beryllium, total	ug/L	MW-39	12/05/2014	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Beryllium, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Cadmium, total	ug/L	MW-39	09/24/2014	ND	0.8000		
Cadmium, total	ug/L	MW-39	12/05/2014	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/11/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	06/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/17/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/22/2016	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/15/2016	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/23/2017	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/08/2017	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/19/2018	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/11/2018	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/26/2019	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/04/2019	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/26/2020	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/02/2021	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/07/2021	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/24/2022	ND	0.8000		
Cadmium, total	ug/L	MW-39	08/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/02/2023	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/12/2023	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/23/2024	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/12/2025	ND	0.8000		
Chromium, total	ug/L	MW-39	09/24/2014	ND	8.0000		
Chromium, total	ug/L	MW-39	12/05/2014	ND	8.0000		
Chromium, total	ug/L	MW-39	03/11/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	06/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	09/17/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	03/22/2016	ND	8.0000		
Chromium, total	ug/L	MW-39	09/15/2016	ND	8.0000		
Chromium, total	ug/L	MW-39	03/23/2017	ND	8.0000		
Chromium, total	ug/L	MW-39	09/08/2017	ND	8.0000		
Chromium, total	ug/L	MW-39	03/19/2018	ND	8.0000		
Chromium, total	ug/L	MW-39	09/11/2018	ND	8.0000		
Chromium, total	ug/L	MW-39	03/26/2019	ND	8.0000		
Chromium, total	ug/L	MW-39	09/04/2019	ND	8.0000		
Chromium, total	ug/L	MW-39	03/26/2020	ND	8.0000		
Chromium, total	ug/L	MW-39	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-39	03/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-39	09/07/2021	ND	8.0000		
Chromium, total	ug/L	MW-39	03/24/2022	ND	8.0000		
Chromium, total	ug/L	MW-39	08/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-39	03/02/2023	ND	8.0000		
Chromium, total	ug/L	MW-39	09/12/2023	ND	8.0000		
Chromium, total	ug/L	MW-39	03/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-39	09/23/2024	ND	8.0000		
Chromium, total	ug/L	MW-39	03/12/2025	ND	8.0000		
Cobalt, total	ug/L	MW-39	09/24/2014	ND	0.8000		
Cobalt, total	ug/L	MW-39	12/05/2014	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/11/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	06/16/2015	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-39	09/17/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/22/2016	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/15/2016	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/23/2017	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/08/2017	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/19/2018	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/11/2018	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/26/2019	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/04/2019	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/26/2020	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/15/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	03/02/2021		0.8000		
Cobalt, total	ug/L	MW-39	09/07/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	03/24/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	08/31/2022		0.8000		
Cobalt, total	ug/L	MW-39	03/02/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	09/12/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	03/04/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	09/23/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	03/12/2025	ND	0.4000	0.8000	**
Copper, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Copper, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Copper, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Copper, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Copper, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Copper, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Copper, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Copper, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Copper, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Copper, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Copper, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Copper, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Copper, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Copper, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Copper, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Copper, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Copper, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Copper, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Copper, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Copper, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Copper, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Copper, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Copper, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Lead, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Lead, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Lead, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Lead, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Lead, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Lead, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Lead, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Lead, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Lead, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Lead, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Lead, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Lead, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Lead, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Lead, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Lead, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Lead, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Lead, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Lead, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Lead, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Lead, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Lead, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Lead, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Lead, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Nickel, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Nickel, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Nickel, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	03/22/2016	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-39	09/15/2016	ND	4.0000		
Nickel, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Nickel, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Nickel, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Nickel, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Nickel, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Nickel, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Nickel, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Nickel, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Nickel, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Nickel, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Nickel, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Nickel, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Nickel, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Nickel, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Nickel, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Selenium, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Selenium, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Selenium, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Selenium, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Selenium, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Selenium, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Selenium, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Selenium, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Selenium, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Selenium, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Selenium, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Selenium, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Selenium, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Selenium, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Selenium, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Selenium, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Selenium, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Selenium, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Selenium, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Silver, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Silver, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Silver, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Silver, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Silver, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Silver, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Silver, total	ug/L	MW-39	09/15/2016		6.4000		
Silver, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Silver, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Silver, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Silver, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Silver, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Silver, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Silver, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Silver, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Silver, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Silver, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Silver, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Silver, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Silver, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Silver, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Silver, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Silver, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Thallium, total	ug/L	MW-39	09/24/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	12/05/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	03/11/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	06/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	09/17/2015		2.4000		
Thallium, total	ug/L	MW-39	03/22/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	09/15/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	03/23/2017	ND	4.0000	2.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-39	09/08/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	03/19/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	09/11/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	03/26/2019	ND	2.0000		
Thallium, total	ug/L	MW-39	09/04/2019	ND	2.0000		
Thallium, total	ug/L	MW-39	03/26/2020	ND	2.0000		
Thallium, total	ug/L	MW-39	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-39	03/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-39	09/07/2021	ND	2.0000		
Thallium, total	ug/L	MW-39	03/24/2022	ND	2.0000		
Thallium, total	ug/L	MW-39	08/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-39	03/02/2023	ND	2.0000		
Thallium, total	ug/L	MW-39	09/12/2023	ND	2.0000		
Thallium, total	ug/L	MW-39	03/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-39	09/23/2024	ND	2.0000		
Thallium, total	ug/L	MW-39	03/12/2025	ND	2.0000		
Vanadium, total	ug/L	MW-39	09/24/2014	ND	20.0000		
Vanadium, total	ug/L	MW-39	12/05/2014	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/11/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	06/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/17/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/22/2016	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/15/2016	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/23/2017	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/08/2017	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/19/2018	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/11/2018	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/26/2019	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/04/2019	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/26/2020	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/07/2021	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/24/2022	ND	20.0000		
Vanadium, total	ug/L	MW-39	08/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/02/2023	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/12/2023	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/23/2024	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/12/2025	ND	20.0000		
Zinc, total	ug/L	MW-39	09/24/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	12/05/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	03/11/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	06/16/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	09/17/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	03/22/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	09/15/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	03/23/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	09/08/2017	ND	20.0000		
Zinc, total	ug/L	MW-39	03/19/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	09/11/2018	ND	20.0000		
Zinc, total	ug/L	MW-39	03/26/2019		24.6000		
Zinc, total	ug/L	MW-39	09/04/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	03/26/2020	ND	20.0000		
Zinc, total	ug/L	MW-39	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-39	03/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-39	09/07/2021	ND	20.0000		
Zinc, total	ug/L	MW-39	03/24/2022	ND	20.0000		
Zinc, total	ug/L	MW-39	08/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-39	03/02/2023	ND	20.0000		
Zinc, total	ug/L	MW-39	09/12/2023	ND	20.0000		
Zinc, total	ug/L	MW-39	03/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-39	09/23/2024	ND	20.0000		
Zinc, total	ug/L	MW-39	03/12/2025	ND	20.0000		
Antimony, total	ug/L	MW-48	09/24/2014	ND	2.0000		
Antimony, total	ug/L	MW-48	12/05/2014	ND	2.0000		
Antimony, total	ug/L	MW-48	03/11/2015	ND	2.0000		
Antimony, total	ug/L	MW-48	06/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-48	09/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-48	03/22/2016	ND	2.0000		
Antimony, total	ug/L	MW-48	09/14/2016	ND	2.0000		
Antimony, total	ug/L	MW-48	03/23/2017	ND	2.0000		
Antimony, total	ug/L	MW-48	09/08/2017	ND	2.0000		
Antimony, total	ug/L	MW-48	03/19/2018	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-48	09/11/2018	ND	2.0000		
Antimony, total	ug/L	MW-48	03/26/2019	ND	2.0000		
Antimony, total	ug/L	MW-48	09/04/2019	ND	2.0000		
Antimony, total	ug/L	MW-48	03/26/2020	ND	2.0000		
Antimony, total	ug/L	MW-48	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-48	03/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-48	09/07/2021	ND	2.0000		
Antimony, total	ug/L	MW-48	03/24/2022	ND	2.0000		
Antimony, total	ug/L	MW-48	08/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-48	03/02/2023	ND	2.0000		
Antimony, total	ug/L	MW-48	09/12/2023	ND	2.0000		
Antimony, total	ug/L	MW-48	03/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-48	09/23/2024	ND	2.0000		
Antimony, total	ug/L	MW-48	03/12/2025	ND	2.0000		
Arsenic, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Arsenic, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Arsenic, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Arsenic, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Barium, total	ug/L	MW-48	09/24/2014		181.0000		
Barium, total	ug/L	MW-48	12/05/2014		168.0000		
Barium, total	ug/L	MW-48	03/11/2015		143.0000		
Barium, total	ug/L	MW-48	06/16/2015		161.0000		
Barium, total	ug/L	MW-48	09/16/2015		150.0000		
Barium, total	ug/L	MW-48	03/22/2016		153.0000		
Barium, total	ug/L	MW-48	09/14/2016		140.0000		
Barium, total	ug/L	MW-48	03/23/2017		146.0000		
Barium, total	ug/L	MW-48	09/08/2017		171.0000		
Barium, total	ug/L	MW-48	03/19/2018		145.0000		
Barium, total	ug/L	MW-48	09/11/2018		151.0000		
Barium, total	ug/L	MW-48	03/26/2019		153.0000		
Barium, total	ug/L	MW-48	09/04/2019		160.0000		
Barium, total	ug/L	MW-48	03/26/2020		156.0000		
Barium, total	ug/L	MW-48	09/15/2020		152.0000		
Barium, total	ug/L	MW-48	03/02/2021		159.0000		
Barium, total	ug/L	MW-48	09/07/2021		149.0000		
Barium, total	ug/L	MW-48	03/24/2022		143.0000		
Barium, total	ug/L	MW-48	08/31/2022		157.0000		
Barium, total	ug/L	MW-48	03/02/2023		149.0000		
Barium, total	ug/L	MW-48	09/12/2023		168.0000		
Barium, total	ug/L	MW-48	03/04/2024		149.0000		
Barium, total	ug/L	MW-48	09/23/2024		148.0000		
Barium, total	ug/L	MW-48	03/12/2025		153.0000		
Beryllium, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Beryllium, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Beryllium, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/26/2019	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Beryllium, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Cadmium, total	ug/L	MW-48	09/24/2014	ND	0.8000		
Cadmium, total	ug/L	MW-48	12/05/2014	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/11/2015	ND	0.8000		
Cadmium, total	ug/L	MW-48	06/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/22/2016	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/14/2016	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/23/2017	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/08/2017	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/19/2018	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/11/2018	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/26/2019	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/04/2019	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/26/2020	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/02/2021	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/07/2021	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/24/2022	ND	0.8000		
Cadmium, total	ug/L	MW-48	08/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/02/2023	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/12/2023	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/23/2024	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/12/2025	ND	0.8000		
Chromium, total	ug/L	MW-48	09/24/2014	ND	8.0000		
Chromium, total	ug/L	MW-48	12/05/2014	ND	8.0000		
Chromium, total	ug/L	MW-48	03/11/2015	ND	8.0000		
Chromium, total	ug/L	MW-48	06/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-48	09/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-48	03/22/2016	ND	8.0000		
Chromium, total	ug/L	MW-48	09/14/2016	ND	8.0000		
Chromium, total	ug/L	MW-48	03/23/2017	ND	8.0000		
Chromium, total	ug/L	MW-48	09/08/2017	ND	8.0000		
Chromium, total	ug/L	MW-48	03/19/2018	ND	8.0000		
Chromium, total	ug/L	MW-48	09/11/2018	ND	8.0000		
Chromium, total	ug/L	MW-48	03/26/2019	ND	8.0000		
Chromium, total	ug/L	MW-48	09/04/2019	ND	8.0000		
Chromium, total	ug/L	MW-48	03/26/2020	ND	8.0000		
Chromium, total	ug/L	MW-48	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-48	03/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-48	09/07/2021	ND	8.0000		
Chromium, total	ug/L	MW-48	03/24/2022	ND	8.0000		
Chromium, total	ug/L	MW-48	08/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-48	03/02/2023	ND	8.0000		
Chromium, total	ug/L	MW-48	09/12/2023	ND	8.0000		
Chromium, total	ug/L	MW-48	03/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-48	09/23/2024	ND	8.0000		
Chromium, total	ug/L	MW-48	03/12/2025	ND	8.0000		
Cobalt, total	ug/L	MW-48	09/24/2014	ND	0.8000		
Cobalt, total	ug/L	MW-48	12/05/2014	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/11/2015	ND	0.8000		
Cobalt, total	ug/L	MW-48	06/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/22/2016	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/14/2016	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/23/2017	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/08/2017	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/19/2018	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/11/2018	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/26/2019	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/04/2019	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/26/2020	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	
Cobalt, total	ug/L	MW-48	09/15/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/02/2021		0.9000		
Cobalt, total	ug/L	MW-48	09/07/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/24/2022		0.4000		
Cobalt, total	ug/L	MW-48	08/31/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/02/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	09/12/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/04/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	09/23/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/12/2025	ND	0.4000	0.8000	**
Copper, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Copper, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Copper, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Copper, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Copper, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Copper, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Copper, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Copper, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Copper, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Copper, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Copper, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Copper, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Copper, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Copper, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Copper, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Copper, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Copper, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Copper, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Copper, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Copper, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Copper, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Copper, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Copper, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Lead, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Lead, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Lead, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Lead, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Lead, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Lead, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Lead, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Lead, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Lead, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Lead, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Lead, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Lead, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Lead, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Lead, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Lead, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Lead, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Lead, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Lead, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Lead, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Lead, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Lead, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Lead, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Lead, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Nickel, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Nickel, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Nickel, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Nickel, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Nickel, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Nickel, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Nickel, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Nickel, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Nickel, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Nickel, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Nickel, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Nickel, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Nickel, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Nickel, total	ug/L	MW-48	03/02/2021	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Nickel, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Nickel, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Nickel, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Nickel, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Nickel, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Selenium, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Selenium, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Selenium, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Selenium, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Selenium, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Selenium, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Selenium, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Selenium, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Selenium, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Selenium, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Selenium, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Selenium, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Selenium, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Selenium, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Selenium, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Selenium, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Selenium, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Selenium, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Selenium, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Selenium, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Silver, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Silver, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Silver, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Silver, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Silver, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Silver, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Silver, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Silver, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Silver, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Silver, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Silver, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Silver, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Silver, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Silver, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Silver, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Silver, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Silver, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Silver, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Silver, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Silver, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Silver, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Silver, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Silver, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Thallium, total	ug/L	MW-48	09/24/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	12/05/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/11/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	06/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	09/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/22/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	09/14/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/23/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	09/08/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/19/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	09/11/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/26/2019	ND	2.0000		
Thallium, total	ug/L	MW-48	09/04/2019	ND	2.0000		
Thallium, total	ug/L	MW-48	03/26/2020	ND	2.0000		
Thallium, total	ug/L	MW-48	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-48	03/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-48	09/07/2021	ND	2.0000		
Thallium, total	ug/L	MW-48	03/24/2022	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-48	08/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-48	03/02/2023	ND	2.0000		
Thallium, total	ug/L	MW-48	09/12/2023	ND	2.0000		
Thallium, total	ug/L	MW-48	03/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-48	09/23/2024	ND	2.0000		
Thallium, total	ug/L	MW-48	03/12/2025	ND	2.0000		
Vanadium, total	ug/L	MW-48	09/24/2014	ND	20.0000		
Vanadium, total	ug/L	MW-48	12/05/2014	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/11/2015	ND	20.0000		
Vanadium, total	ug/L	MW-48	06/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/22/2016	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/14/2016	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/23/2017	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/08/2017	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/19/2018	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/11/2018	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/26/2019	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/04/2019	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/26/2020	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/07/2021	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/24/2022	ND	20.0000		
Vanadium, total	ug/L	MW-48	08/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/02/2023	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/12/2023	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/23/2024	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/12/2025	ND	20.0000		
Zinc, total	ug/L	MW-48	09/24/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	12/05/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	03/11/2015		32.3000		
Zinc, total	ug/L	MW-48	06/16/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/16/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	03/22/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/14/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	03/23/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/08/2017	ND	20.0000		
Zinc, total	ug/L	MW-48	03/19/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/11/2018	ND	20.0000		
Zinc, total	ug/L	MW-48	03/26/2019	ND	20.0000		
Zinc, total	ug/L	MW-48	09/04/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	03/26/2020	ND	20.0000		
Zinc, total	ug/L	MW-48	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-48	03/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-48	09/07/2021	ND	20.0000		
Zinc, total	ug/L	MW-48	03/24/2022	ND	20.0000		
Zinc, total	ug/L	MW-48	08/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-48	03/02/2023	ND	20.0000		
Zinc, total	ug/L	MW-48	09/12/2023	ND	20.0000		
Zinc, total	ug/L	MW-48	03/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-48	09/23/2024	ND	20.0000		
Zinc, total	ug/L	MW-48	03/12/2025	ND	20.0000		
Antimony, total	ug/L	MW-78	09/24/2014	ND	2.0000		
Antimony, total	ug/L	MW-78	12/05/2014	ND	2.0000		
Antimony, total	ug/L	MW-78	03/11/2015	ND	2.0000		
Antimony, total	ug/L	MW-78	06/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-78	09/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-78	03/22/2016	ND	2.0000		
Antimony, total	ug/L	MW-78	09/15/2016	ND	2.0000		
Antimony, total	ug/L	MW-78	03/23/2017	ND	2.0000		
Antimony, total	ug/L	MW-78	09/08/2017	ND	2.0000		
Antimony, total	ug/L	MW-78	03/19/2018	ND	2.0000		
Antimony, total	ug/L	MW-78	09/11/2018	ND	2.0000		
Antimony, total	ug/L	MW-78	03/26/2019	ND	2.0000		
Antimony, total	ug/L	MW-78	09/04/2019	ND	2.0000		
Antimony, total	ug/L	MW-78	03/26/2020	ND	2.0000		
Antimony, total	ug/L	MW-78	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-78	03/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-78	09/07/2021	ND	2.0000		
Antimony, total	ug/L	MW-78	03/24/2022	ND	2.0000		
Antimony, total	ug/L	MW-78	08/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-78	03/02/2023	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-78	09/12/2023	ND	2.0000		
Antimony, total	ug/L	MW-78	03/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-78	09/23/2024	ND	2.0000		
Antimony, total	ug/L	MW-78	03/12/2025	ND	2.0000		
Arsenic, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Arsenic, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Arsenic, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Arsenic, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Barium, total	ug/L	MW-78	09/24/2014		304.0000		
Barium, total	ug/L	MW-78	12/05/2014		291.0000		
Barium, total	ug/L	MW-78	03/11/2015		304.0000		
Barium, total	ug/L	MW-78	06/16/2015		329.0000		
Barium, total	ug/L	MW-78	09/16/2015		298.0000		
Barium, total	ug/L	MW-78	03/22/2016		309.0000		
Barium, total	ug/L	MW-78	09/15/2016		311.0000		
Barium, total	ug/L	MW-78	03/23/2017		307.0000		
Barium, total	ug/L	MW-78	09/08/2017		357.0000		
Barium, total	ug/L	MW-78	03/19/2018		320.0000		
Barium, total	ug/L	MW-78	09/11/2018		295.0000		
Barium, total	ug/L	MW-78	03/26/2019		285.0000		
Barium, total	ug/L	MW-78	09/04/2019		332.0000		
Barium, total	ug/L	MW-78	03/26/2020		304.0000		
Barium, total	ug/L	MW-78	09/15/2020		319.0000		
Barium, total	ug/L	MW-78	03/02/2021		304.0000		
Barium, total	ug/L	MW-78	09/07/2021		332.0000		
Barium, total	ug/L	MW-78	03/24/2022		291.0000		
Barium, total	ug/L	MW-78	08/31/2022		340.0000		
Barium, total	ug/L	MW-78	03/02/2023		345.0000		
Barium, total	ug/L	MW-78	09/12/2023		309.0000		
Barium, total	ug/L	MW-78	03/04/2024		341.0000		
Barium, total	ug/L	MW-78	09/23/2024		284.0000		
Barium, total	ug/L	MW-78	03/12/2025		283.0000		
Beryllium, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Beryllium, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Beryllium, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Beryllium, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/04/2024	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Cadmium, total	ug/L	MW-78	09/24/2014	ND	0.8000		
Cadmium, total	ug/L	MW-78	12/05/2014	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/11/2015	ND	0.8000		
Cadmium, total	ug/L	MW-78	06/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/22/2016	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/15/2016	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/23/2017	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/08/2017	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/19/2018	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/11/2018	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/26/2019	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/04/2019	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/26/2020	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/02/2021	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/07/2021	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/24/2022	ND	0.8000		
Cadmium, total	ug/L	MW-78	08/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/02/2023	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/12/2023	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/23/2024	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/12/2025	ND	0.8000		
Chromium, total	ug/L	MW-78	09/24/2014	ND	8.0000		
Chromium, total	ug/L	MW-78	12/05/2014	ND	8.0000		
Chromium, total	ug/L	MW-78	03/11/2015	ND	8.0000		
Chromium, total	ug/L	MW-78	06/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-78	09/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-78	03/22/2016	ND	8.0000		
Chromium, total	ug/L	MW-78	09/15/2016	ND	8.0000		
Chromium, total	ug/L	MW-78	03/23/2017	ND	8.0000		
Chromium, total	ug/L	MW-78	09/08/2017	ND	8.0000		
Chromium, total	ug/L	MW-78	03/19/2018	ND	8.0000		
Chromium, total	ug/L	MW-78	09/11/2018	ND	8.0000		
Chromium, total	ug/L	MW-78	03/26/2019	ND	8.0000		
Chromium, total	ug/L	MW-78	09/04/2019	ND	8.0000		
Chromium, total	ug/L	MW-78	03/26/2020	ND	8.0000		
Chromium, total	ug/L	MW-78	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-78	03/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-78	09/07/2021	ND	8.0000		
Chromium, total	ug/L	MW-78	03/24/2022	ND	8.0000		
Chromium, total	ug/L	MW-78	08/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-78	03/02/2023	ND	8.0000		
Chromium, total	ug/L	MW-78	09/12/2023	ND	8.0000		
Chromium, total	ug/L	MW-78	03/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-78	09/23/2024	ND	8.0000		
Chromium, total	ug/L	MW-78	03/12/2025	ND	8.0000		
Cobalt, total	ug/L	MW-78	09/24/2014	ND	0.8000		
Cobalt, total	ug/L	MW-78	12/05/2014	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/11/2015	ND	0.8000		
Cobalt, total	ug/L	MW-78	06/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/22/2016	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/15/2016	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/23/2017	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/08/2017	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/19/2018	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/11/2018	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/26/2019	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/04/2019	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/26/2020	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/15/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/02/2021		1.0000		
Cobalt, total	ug/L	MW-78	09/07/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/24/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	08/31/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/02/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	09/12/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/04/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	09/23/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/12/2025	ND	0.4000	0.8000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Copper, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Copper, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Copper, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Copper, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Copper, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Copper, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Copper, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Copper, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Copper, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Copper, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Copper, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Copper, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Copper, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Copper, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Copper, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Copper, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Copper, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Copper, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Copper, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Copper, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Copper, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Copper, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Lead, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Lead, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Lead, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Lead, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Lead, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Lead, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Lead, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Lead, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Lead, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Lead, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Lead, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Lead, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Lead, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Lead, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Lead, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Lead, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Lead, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Lead, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Lead, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Lead, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Lead, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Lead, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Lead, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Nickel, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Nickel, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Nickel, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Nickel, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Nickel, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Nickel, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Nickel, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Nickel, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Nickel, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Nickel, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Nickel, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Nickel, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Nickel, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Nickel, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Nickel, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Nickel, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Nickel, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Nickel, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Nickel, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Nickel, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Selenium, total	ug/L	MW-78	09/24/2014		5.4000		
Selenium, total	ug/L	MW-78	12/05/2014		5.6000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-78	03/11/2015		6.5000		
Selenium, total	ug/L	MW-78	06/16/2015		8.6000		
Selenium, total	ug/L	MW-78	09/16/2015		8.1000		
Selenium, total	ug/L	MW-78	03/22/2016		8.9000		
Selenium, total	ug/L	MW-78	09/15/2016		9.4000		
Selenium, total	ug/L	MW-78	03/23/2017		10.6000		
Selenium, total	ug/L	MW-78	09/08/2017		6.9000		
Selenium, total	ug/L	MW-78	03/19/2018		8.3000		
Selenium, total	ug/L	MW-78	09/11/2018		5.6000		
Selenium, total	ug/L	MW-78	03/26/2019		9.5000		
Selenium, total	ug/L	MW-78	09/04/2019		6.8000		
Selenium, total	ug/L	MW-78	03/26/2020		5.4000		
Selenium, total	ug/L	MW-78	09/15/2020		8.5000		
Selenium, total	ug/L	MW-78	03/02/2021		9.4000		
Selenium, total	ug/L	MW-78	09/07/2021		4.9000		
Selenium, total	ug/L	MW-78	03/24/2022		6.3000		
Selenium, total	ug/L	MW-78	08/31/2022		6.2000		
Selenium, total	ug/L	MW-78	03/02/2023		7.9000		
Selenium, total	ug/L	MW-78	09/12/2023		5.8000		
Selenium, total	ug/L	MW-78	03/04/2024		5.7000		
Selenium, total	ug/L	MW-78	09/23/2024		4.1000		
Selenium, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Silver, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Silver, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Silver, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Silver, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Silver, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Silver, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Silver, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Silver, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Silver, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Silver, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Silver, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Silver, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Silver, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Silver, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Silver, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Silver, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Silver, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Silver, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Silver, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Silver, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Silver, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Silver, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Silver, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Thallium, total	ug/L	MW-78	09/24/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	12/05/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/11/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	06/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	09/16/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/22/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	09/15/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/23/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	09/08/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/19/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	09/11/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/26/2019	ND	2.0000		
Thallium, total	ug/L	MW-78	09/04/2019	ND	2.0000		
Thallium, total	ug/L	MW-78	03/26/2020	ND	2.0000		
Thallium, total	ug/L	MW-78	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-78	03/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-78	09/07/2021	ND	2.0000		
Thallium, total	ug/L	MW-78	03/24/2022	ND	2.0000		
Thallium, total	ug/L	MW-78	08/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-78	03/02/2023	ND	2.0000		
Thallium, total	ug/L	MW-78	09/12/2023	ND	2.0000		
Thallium, total	ug/L	MW-78	03/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-78	09/23/2024	ND	2.0000		
Thallium, total	ug/L	MW-78	03/12/2025	ND	2.0000		
Vanadium, total	ug/L	MW-78	09/24/2014	ND	20.0000		
Vanadium, total	ug/L	MW-78	12/05/2014	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/11/2015	ND	20.0000		
Vanadium, total	ug/L	MW-78	06/16/2015	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-78	09/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/22/2016	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/15/2016	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/23/2017	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/08/2017	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/19/2018	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/11/2018	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/26/2019	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/04/2019	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/26/2020	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/07/2021	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/24/2022	ND	20.0000		
Vanadium, total	ug/L	MW-78	08/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/02/2023	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/12/2023	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/23/2024	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/12/2025	ND	20.0000		
Zinc, total	ug/L	MW-78	09/24/2014		10.7000		
Zinc, total	ug/L	MW-78	12/05/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	03/11/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	06/16/2015		8.4000		
Zinc, total	ug/L	MW-78	09/16/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	03/22/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	09/15/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	03/23/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	09/08/2017	ND	20.0000		
Zinc, total	ug/L	MW-78	03/19/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	09/11/2018	ND	20.0000		
Zinc, total	ug/L	MW-78	03/26/2019	ND	20.0000		
Zinc, total	ug/L	MW-78	09/04/2019		17.6000		
Zinc, total	ug/L	MW-78	03/26/2020	ND	20.0000		
Zinc, total	ug/L	MW-78	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-78	03/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-78	09/07/2021	ND	20.0000		
Zinc, total	ug/L	MW-78	03/24/2022	ND	20.0000		
Zinc, total	ug/L	MW-78	08/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-78	03/02/2023	ND	20.0000		
Zinc, total	ug/L	MW-78	09/12/2023	ND	20.0000		
Zinc, total	ug/L	MW-78	03/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-78	09/23/2024	ND	20.0000		
Zinc, total	ug/L	MW-78	03/12/2025	ND	20.0000		
Antimony, total	ug/L	SW-101	09/14/2016	ND	2.0000		
Antimony, total	ug/L	SW-101	03/23/2017	ND	2.0000		
Antimony, total	ug/L	SW-101	09/08/2017	ND	2.0000		
Antimony, total	ug/L	SW-101	03/19/2018	ND	2.0000		
Antimony, total	ug/L	SW-101	09/11/2018	ND	2.0000		
Antimony, total	ug/L	SW-101	03/26/2019	ND	2.0000		
Antimony, total	ug/L	SW-101	09/04/2019	ND	2.0000		
Arsenic, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Arsenic, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Arsenic, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Arsenic, total	ug/L	SW-101	03/19/2018		4.4000		
Arsenic, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Arsenic, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Arsenic, total	ug/L	SW-101	09/04/2019		7.3000		
Barium, total	ug/L	SW-101	09/14/2016		188.0000		
Barium, total	ug/L	SW-101	03/23/2017		233.0000		
Barium, total	ug/L	SW-101	09/08/2017		272.0000		
Barium, total	ug/L	SW-101	03/19/2018		162.0000		
Barium, total	ug/L	SW-101	09/11/2018		127.0000		
Barium, total	ug/L	SW-101	03/26/2019		160.0000		
Barium, total	ug/L	SW-101	09/04/2019		256.0000		
Beryllium, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Beryllium, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Beryllium, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Beryllium, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Beryllium, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Beryllium, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Beryllium, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Cadmium, total	ug/L	SW-101	09/14/2016	ND	0.8000		
Cadmium, total	ug/L	SW-101	03/23/2017	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	SW-101	09/08/2017	ND	0.8000		
Cadmium, total	ug/L	SW-101	03/19/2018	ND	0.8000		
Cadmium, total	ug/L	SW-101	09/11/2018	ND	0.8000		
Cadmium, total	ug/L	SW-101	03/26/2019	ND	0.8000		
Cadmium, total	ug/L	SW-101	09/04/2019	ND	0.8000		
Chromium, total	ug/L	SW-101	09/14/2016	ND	8.0000		
Chromium, total	ug/L	SW-101	03/23/2017	ND	8.0000		
Chromium, total	ug/L	SW-101	09/08/2017	ND	8.0000		
Chromium, total	ug/L	SW-101	03/19/2018	ND	8.0000		
Chromium, total	ug/L	SW-101	09/11/2018	ND	8.0000		
Chromium, total	ug/L	SW-101	03/26/2019	ND	8.0000		
Chromium, total	ug/L	SW-101	09/04/2019	ND	8.0000		
Cobalt, total	ug/L	SW-101	09/14/2016		4.5000		
Cobalt, total	ug/L	SW-101	03/23/2017		4.2000		
Cobalt, total	ug/L	SW-101	09/08/2017		6.9000		
Cobalt, total	ug/L	SW-101	03/19/2018		2.3000		
Cobalt, total	ug/L	SW-101	09/11/2018		1.9000		
Cobalt, total	ug/L	SW-101	03/26/2019		1.8000		
Cobalt, total	ug/L	SW-101	09/04/2019		5.9000		
Copper, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Copper, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Copper, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Copper, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Copper, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Copper, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Copper, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Lead, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Lead, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Lead, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Lead, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Lead, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Lead, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Lead, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Nickel, total	ug/L	SW-101	09/14/2016		8.7000		
Nickel, total	ug/L	SW-101	03/23/2017		5.4000		
Nickel, total	ug/L	SW-101	09/08/2017		8.6000		
Nickel, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Nickel, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Nickel, total	ug/L	SW-101	03/26/2019		4.2000		
Nickel, total	ug/L	SW-101	09/04/2019		7.5000		
Selenium, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Selenium, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Selenium, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Selenium, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Selenium, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Selenium, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Selenium, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Silver, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Silver, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Silver, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Silver, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Silver, total	ug/L	SW-101	09/11/2018	ND	8.0000	4.0000	**
Silver, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Silver, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Thallium, total	ug/L	SW-101	09/14/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	03/23/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	09/08/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	03/19/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	09/11/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	03/26/2019	ND	2.0000		
Thallium, total	ug/L	SW-101	09/04/2019	ND	2.0000		
Vanadium, total	ug/L	SW-101	09/14/2016	ND	20.0000		
Vanadium, total	ug/L	SW-101	03/23/2017	ND	20.0000		
Vanadium, total	ug/L	SW-101	09/08/2017	ND	20.0000		
Vanadium, total	ug/L	SW-101	03/19/2018	ND	20.0000		
Vanadium, total	ug/L	SW-101	09/11/2018	ND	20.0000		
Vanadium, total	ug/L	SW-101	03/26/2019	ND	20.0000		
Vanadium, total	ug/L	SW-101	09/04/2019	ND	20.0000		
Zinc, total	ug/L	SW-101	09/14/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	SW-101	03/23/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	SW-101	09/08/2017	ND	20.0000		
Zinc, total	ug/L	SW-101	03/19/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	SW-101	09/11/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	SW-101	03/26/2019	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	SW-101	09/04/2019	ND	8.0000	20.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, total	ug/L	MW-44	03/12/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-44	03/12/2025		8.9000	***	7.3000
Barium, total	ug/L	MW-44	03/12/2025		126.0000		357.0000
Beryllium, total	ug/L	MW-44	03/12/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-44	03/12/2025	ND	0.8000		0.8000
Chromium, total	ug/L	MW-44	03/12/2025	ND	8.0000		8.0000
Cobalt, total	ug/L	MW-44	03/12/2025		10.3000	***	6.9000
Copper, total	ug/L	MW-44	03/12/2025	ND	4.0000		4.0000
Lead, total	ug/L	MW-44	03/12/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-44	03/12/2025		8.8000	***	8.7000
Selenium, total	ug/L	MW-44	03/12/2025	ND	4.0000		10.6000
Silver, total	ug/L	MW-44	03/12/2025	ND	4.0000		6.4000
Thallium, total	ug/L	MW-44	03/12/2025	ND	2.0000		2.4000
Vanadium, total	ug/L	MW-44	03/12/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-44	03/12/2025	ND	20.0000		32.3000
Antimony, total	ug/L	MW-56	03/12/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-56	03/12/2025	ND	4.0000		7.3000
Barium, total	ug/L	MW-56	03/12/2025		18.2000		357.0000
Beryllium, total	ug/L	MW-56	03/12/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-56	03/12/2025	ND	0.8000		0.8000
Chromium, total	ug/L	MW-56	03/12/2025	ND	8.0000		8.0000
Cobalt, total	ug/L	MW-56	03/12/2025	ND	0.4000		6.9000
Copper, total	ug/L	MW-56	03/12/2025	ND	4.0000		4.0000
Lead, total	ug/L	MW-56	03/12/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-56	03/12/2025	ND	4.0000		8.7000
Selenium, total	ug/L	MW-56	03/12/2025	ND	4.0000		10.6000
Silver, total	ug/L	MW-56	03/12/2025	ND	4.0000		6.4000
Thallium, total	ug/L	MW-56	03/12/2025	ND	2.0000		2.4000
Vanadium, total	ug/L	MW-56	03/12/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-56	03/12/2025	ND	20.0000		32.3000
Antimony, total	ug/L	MW-57	03/12/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-57	03/12/2025	ND	4.0000		7.3000
Barium, total	ug/L	MW-57	03/12/2025		164.0000		357.0000
Beryllium, total	ug/L	MW-57	03/12/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-57	03/12/2025	ND	0.8000		0.8000
Chromium, total	ug/L	MW-57	03/12/2025	ND	8.0000		8.0000
Cobalt, total	ug/L	MW-57	03/12/2025	ND	0.4000		6.9000
Copper, total	ug/L	MW-57	03/12/2025	ND	4.0000		4.0000
Lead, total	ug/L	MW-57	03/12/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-57	03/12/2025	ND	4.0000		8.7000
Selenium, total	ug/L	MW-57	03/12/2025	ND	4.0000		10.6000
Silver, total	ug/L	MW-57	03/12/2025	ND	4.0000		6.4000
Thallium, total	ug/L	MW-57	03/12/2025	ND	2.0000		2.4000
Vanadium, total	ug/L	MW-57	03/12/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-57	03/12/2025	ND	20.0000		32.3000
Antimony, total	ug/L	MW-64	03/12/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-64	03/12/2025		25.7000	***	7.3000
Barium, total	ug/L	MW-64	03/12/2025		57.2000		357.0000
Beryllium, total	ug/L	MW-64	03/12/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-64	03/12/2025	ND	0.8000		0.8000
Chromium, total	ug/L	MW-64	03/12/2025	ND	8.0000		8.0000
Cobalt, total	ug/L	MW-64	03/12/2025		11.1000	***	6.9000
Copper, total	ug/L	MW-64	03/12/2025	ND	4.0000		4.0000
Lead, total	ug/L	MW-64	03/12/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-64	03/12/2025		30.7000	***	8.7000
Selenium, total	ug/L	MW-64	03/12/2025	ND	4.0000		10.6000
Silver, total	ug/L	MW-64	03/12/2025	ND	4.0000		6.4000
Thallium, total	ug/L	MW-64	03/12/2025	ND	2.0000		2.4000
Vanadium, total	ug/L	MW-64	03/12/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-64	03/12/2025	ND	20.0000		32.3000
Antimony, total	ug/L	MW-65	03/12/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-65	03/12/2025		4.3000	**	7.3000
Barium, total	ug/L	MW-65	03/12/2025		30.0000		357.0000
Beryllium, total	ug/L	MW-65	03/12/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-65	03/12/2025	ND	0.8000		0.8000
Chromium, total	ug/L	MW-65	03/12/2025	ND	8.0000		8.0000
Cobalt, total	ug/L	MW-65	03/12/2025		3.6000		6.9000
Copper, total	ug/L	MW-65	03/12/2025	ND	4.0000	**	4.0000
Lead, total	ug/L	MW-65	03/12/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-65	03/12/2025		12.0000	***	8.7000
Selenium, total	ug/L	MW-65	03/12/2025	ND	4.0000		10.6000
Silver, total	ug/L	MW-65	03/12/2025	ND	4.0000		6.4000

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Thallium, total	ug/L	MW-65	03/12/2025	ND	2.0000		2.4000
Vanadium, total	ug/L	MW-65	03/12/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-65	03/12/2025	ND	20.0000		32.3000

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

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

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	0	79	0.000	0	85	0.000
Arsenic, total	2	79	0.025	42	86	0.488
Barium, total	79	79	1.000	89	89	1.000
Beryllium, total	0	79	0.000	0	85	0.000
Cadmium, total	0	79	0.000	0	85	0.000
Chromium, total	0	79	0.000	0	85	0.000
Cobalt, total	12	79	0.152	73	86	0.849
Copper, total	0	79	0.000	10	86	0.116
Lead, total	0	79	0.000	1	85	0.012
Nickel, total	5	79	0.063	67	86	0.779
Selenium, total	23	79	0.291	1	85	0.012
Silver, total	1	79	0.013	0	85	0.000
Thallium, total	1	79	0.013	0	85	0.000
Vanadium, total	0	79	0.000	0	85	0.000
Zinc, total	5	79	0.063	20	85	0.235

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	79	0.000									nonpar
Arsenic, total	2	79	0.025									nonpar
Barium, total	79	79	1.000	2.863	3.098					2.326	non-norm	nonpar
Beryllium, total	0	79	0.000									nonpar
Cadmium, total	0	79	0.000									nonpar
Chromium, total	0	79	0.000									nonpar
Cobalt, total	12	79	0.152	0.421	0.600					2.326	normal	nonpar
Copper, total	0	79	0.000									nonpar
Lead, total	0	79	0.000									nonpar
Nickel, total	5	79	0.063	0.460	0.593					2.326	normal	nonpar
Selenium, total	23	79	0.291	0.468	0.181					2.326	normal	nonpar
Silver, total	1	79	0.013									nonpar
Thallium, total	1	79	0.013									nonpar
Vanadium, total	0	79	0.000									nonpar
Zinc, total	5	79	0.063	0.090	0.311					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	79					2.0000	nonpar	***	0.99
Arsenic, total	ug/L	2	79					7.3000	nonpar		0.99
Barium, total	ug/L	79	79					357.0000	nonpar		0.99
Beryllium, total	ug/L	0	79					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	0	79					0.8000	nonpar	***	0.99
Chromium, total	ug/L	0	79					8.0000	nonpar	***	0.99
Cobalt, total	ug/L	12	79					6.9000	nonpar		0.99
Copper, total	ug/L	0	79					4.0000	nonpar	***	0.99
Lead, total	ug/L	0	79					4.0000	nonpar	***	0.99
Nickel, total	ug/L	5	79					8.7000	nonpar		0.99
Selenium, total	ug/L	23	79					10.6000	nonpar		0.99
Silver, total	ug/L	1	79					6.4000	nonpar		0.99
Thallium, total	ug/L	1	79					2.4000	nonpar		0.99
Vanadium, total	ug/L	0	79					20.0000	nonpar	***	0.99
Zinc, total	ug/L	5	79					32.3000	nonpar		0.99

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

* - Insufficient Data.

** - Calculated limit raised to Manual Reporting Limit.

*** - Nonparametric limit based on ND value.

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

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

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

Table 6**Dixon's Test Outliers
1% Significance Level**

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value

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

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

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

Table 8

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

Constituent	Units	Well	Date		Result	Pred. Limit
Arsenic, total	ug/L	MW-44	09/14/2016	ND	4.0000	7.3000
Arsenic, total	ug/L	MW-44	09/08/2017		5.6000	7.3000
Arsenic, total	ug/L	MW-44	12/05/2017	ND	4.0000	7.3000
Arsenic, total	ug/L	MW-44	03/19/2018	ND	4.0000	7.3000
Arsenic, total	ug/L	MW-44	09/11/2018	ND	4.0000	7.3000
Arsenic, total	ug/L	MW-44	03/26/2019		6.6000	7.3000
Arsenic, total	ug/L	MW-44	09/04/2019		7.9000 *	7.3000
Arsenic, total	ug/L	MW-44	03/26/2020	ND	4.0000	7.3000
Arsenic, total	ug/L	MW-44	09/15/2020		13.1000 *	7.3000
Arsenic, total	ug/L	MW-44	03/02/2021	ND	4.0000	7.3000
Arsenic, total	ug/L	MW-44	09/07/2021		9.4000 *	7.3000
Arsenic, total	ug/L	MW-44	03/24/2022		7.6000 *	7.3000
Arsenic, total	ug/L	MW-44	08/31/2022		10.0000 *	7.3000
Arsenic, total	ug/L	MW-44	03/02/2023	ND	4.0000	7.3000
Arsenic, total	ug/L	MW-44	09/12/2023		10.8000 *	7.3000
Arsenic, total	ug/L	MW-44	03/04/2024		4.1000	7.3000
Arsenic, total	ug/L	MW-44	09/23/2024		11.9000 *	7.3000
Arsenic, total	ug/L	MW-44	03/12/2025		8.9000 *	7.3000
Cobalt, total	ug/L	MW-44	09/14/2016		6.3000	6.9000
Cobalt, total	ug/L	MW-44	09/08/2017		7.3000 *	6.9000
Cobalt, total	ug/L	MW-44	12/05/2017		8.7000 *	6.9000
Cobalt, total	ug/L	MW-44	03/19/2018		8.9000 *	6.9000
Cobalt, total	ug/L	MW-44	09/11/2018		8.4000 *	6.9000
Cobalt, total	ug/L	MW-44	03/26/2019		10.2000 *	6.9000
Cobalt, total	ug/L	MW-44	09/04/2019		8.7000 *	6.9000
Cobalt, total	ug/L	MW-44	03/26/2020		9.2000 *	6.9000
Cobalt, total	ug/L	MW-44	09/15/2020		14.5000 *	6.9000
Cobalt, total	ug/L	MW-44	03/02/2021		8.8000 *	6.9000
Cobalt, total	ug/L	MW-44	09/07/2021		8.1000 *	6.9000
Cobalt, total	ug/L	MW-44	03/24/2022		11.0000 *	6.9000
Cobalt, total	ug/L	MW-44	08/31/2022		11.6000 *	6.9000
Cobalt, total	ug/L	MW-44	03/02/2023		8.8000 *	6.9000
Cobalt, total	ug/L	MW-44	09/12/2023		10.7000 *	6.9000
Cobalt, total	ug/L	MW-44	03/04/2024		9.7000 *	6.9000
Cobalt, total	ug/L	MW-44	09/23/2024		10.3000 *	6.9000
Cobalt, total	ug/L	MW-44	03/12/2025		10.3000 *	6.9000
Nickel, total	ug/L	MW-44	09/14/2016		17.3000 *	8.7000
Nickel, total	ug/L	MW-44	09/08/2017		16.0000 *	8.7000
Nickel, total	ug/L	MW-44	03/19/2018		12.7000 *	8.7000
Nickel, total	ug/L	MW-44	09/11/2018		12.8000 *	8.7000
Nickel, total	ug/L	MW-44	03/26/2019		11.9000 *	8.7000
Nickel, total	ug/L	MW-44	09/04/2019		11.7000 *	8.7000
Nickel, total	ug/L	MW-44	03/26/2020		13.2000 *	8.7000
Nickel, total	ug/L	MW-44	09/15/2020		26.2000 *	8.7000
Nickel, total	ug/L	MW-44	03/02/2021		9.7000 *	8.7000
Nickel, total	ug/L	MW-44	09/07/2021		13.2000 *	8.7000
Nickel, total	ug/L	MW-44	03/24/2022		12.2000 *	8.7000
Nickel, total	ug/L	MW-44	08/31/2022		13.5000 *	8.7000
Nickel, total	ug/L	MW-44	03/02/2023		10.0000 *	8.7000
Nickel, total	ug/L	MW-44	09/12/2023		13.2000 *	8.7000
Nickel, total	ug/L	MW-44	03/04/2024		10.0000 *	8.7000
Nickel, total	ug/L	MW-44	09/23/2024		10.9000 *	8.7000
Nickel, total	ug/L	MW-44	03/12/2025		8.8000 *	8.7000
Arsenic, total	ug/L	MW-64	09/14/2016		21.6000 *	7.3000
Arsenic, total	ug/L	MW-64	09/08/2017		7.9000 *	7.3000
Arsenic, total	ug/L	MW-64	03/19/2018		19.3000 *	7.3000
Arsenic, total	ug/L	MW-64	09/11/2018		24.2000 *	7.3000
Arsenic, total	ug/L	MW-64	03/26/2019		40.2000 *	7.3000
Arsenic, total	ug/L	MW-64	09/04/2019		22.2000 *	7.3000
Arsenic, total	ug/L	MW-64	03/26/2020		40.3000 *	7.3000
Arsenic, total	ug/L	MW-64	09/15/2020		21.1000 *	7.3000
Arsenic, total	ug/L	MW-64	03/02/2021		20.2000 *	7.3000
Arsenic, total	ug/L	MW-64	09/07/2021		25.2000 *	7.3000
Arsenic, total	ug/L	MW-64	03/24/2022		19.2000 *	7.3000
Arsenic, total	ug/L	MW-64	08/31/2022		27.4000 *	7.3000
Arsenic, total	ug/L	MW-64	03/02/2023		26.4000 *	7.3000
Arsenic, total	ug/L	MW-64	09/12/2023		23.1000 *	7.3000
Arsenic, total	ug/L	MW-64	03/04/2024		29.6000 *	7.3000
Arsenic, total	ug/L	MW-64	09/23/2024		30.6000 *	7.3000
Arsenic, total	ug/L	MW-64	03/12/2025		25.7000 *	7.3000
Cobalt, total	ug/L	MW-64	09/14/2016		27.0000 *	6.9000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result		Pred. Limit
Cobalt, total	ug/L	MW-64	09/08/2017		34.4000	*	6.9000
Cobalt, total	ug/L	MW-64	03/19/2018		19.1000	*	6.9000
Cobalt, total	ug/L	MW-64	09/11/2018		25.1000	*	6.9000
Cobalt, total	ug/L	MW-64	03/26/2019		16.1000	*	6.9000
Cobalt, total	ug/L	MW-64	09/04/2019		23.0000	*	6.9000
Cobalt, total	ug/L	MW-64	03/26/2020		14.7000	*	6.9000
Cobalt, total	ug/L	MW-64	09/15/2020		20.8000	*	6.9000
Cobalt, total	ug/L	MW-64	03/02/2021		14.6000	*	6.9000
Cobalt, total	ug/L	MW-64	09/07/2021		21.0000	*	6.9000
Cobalt, total	ug/L	MW-64	03/24/2022		11.8000	*	6.9000
Cobalt, total	ug/L	MW-64	08/31/2022		21.6000	*	6.9000
Cobalt, total	ug/L	MW-64	03/02/2023		11.0000	*	6.9000
Cobalt, total	ug/L	MW-64	09/12/2023		18.7000	*	6.9000
Cobalt, total	ug/L	MW-64	03/04/2024		12.0000	*	6.9000
Cobalt, total	ug/L	MW-64	09/23/2024		17.9000	*	6.9000
Cobalt, total	ug/L	MW-64	03/12/2025		11.1000	*	6.9000
Nickel, total	ug/L	MW-64	09/14/2016		56.3000	*	8.7000
Nickel, total	ug/L	MW-64	09/08/2017		73.1000	*	8.7000
Nickel, total	ug/L	MW-64	03/19/2018		46.2000	*	8.7000
Nickel, total	ug/L	MW-64	09/11/2018		55.4000	*	8.7000
Nickel, total	ug/L	MW-64	03/26/2019		41.6000	*	8.7000
Nickel, total	ug/L	MW-64	09/04/2019		45.9000	*	8.7000
Nickel, total	ug/L	MW-64	03/26/2020		39.4000	*	8.7000
Nickel, total	ug/L	MW-64	09/15/2020		46.6000	*	8.7000
Nickel, total	ug/L	MW-64	03/02/2021		35.4000	*	8.7000
Nickel, total	ug/L	MW-64	09/07/2021		49.9000	*	8.7000
Nickel, total	ug/L	MW-64	03/24/2022		33.0000	*	8.7000
Nickel, total	ug/L	MW-64	08/31/2022		49.9000	*	8.7000
Nickel, total	ug/L	MW-64	03/02/2023		30.6000	*	8.7000
Nickel, total	ug/L	MW-64	09/12/2023		43.1000	*	8.7000
Nickel, total	ug/L	MW-64	03/04/2024		32.0000	*	8.7000
Nickel, total	ug/L	MW-64	09/23/2024		42.6000	*	8.7000
Nickel, total	ug/L	MW-64	03/12/2025		30.7000	*	8.7000
Arsenic, total	ug/L	MW-65	09/14/2016		8.0000	*	7.3000
Arsenic, total	ug/L	MW-65	09/08/2017	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-65	03/19/2018	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-65	09/11/2018	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-65	03/26/2019		5.8000		7.3000
Arsenic, total	ug/L	MW-65	09/04/2019		4.0000		7.3000
Arsenic, total	ug/L	MW-65	03/26/2020	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-65	09/15/2020		4.1000		7.3000
Arsenic, total	ug/L	MW-65	03/02/2021	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-65	09/07/2021	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-65	03/24/2022	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-65	08/31/2022		4.3000		7.3000
Arsenic, total	ug/L	MW-65	03/02/2023		9.5000	*	7.3000
Arsenic, total	ug/L	MW-65	09/12/2023	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-65	03/04/2024		6.7000		7.3000
Arsenic, total	ug/L	MW-65	09/23/2024		7.9000	*	7.3000
Arsenic, total	ug/L	MW-65	03/12/2025		4.3000		7.3000
Copper, total	ug/L	MW-65	09/14/2016		6.7000	*	4.0000
Copper, total	ug/L	MW-65	09/08/2017	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	03/19/2018	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	09/11/2018		8.0000	*	4.0000
Copper, total	ug/L	MW-65	03/26/2019		4.0000	**	4.0000
Copper, total	ug/L	MW-65	09/04/2019	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	03/26/2020	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	09/15/2020	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	03/02/2021		10.3000	*	4.0000
Copper, total	ug/L	MW-65	09/07/2021	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	03/24/2022	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	08/31/2022		4.4000	*	4.0000
Copper, total	ug/L	MW-65	03/02/2023		5.2000	*	4.0000
Copper, total	ug/L	MW-65	09/12/2023	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	03/04/2024	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	09/23/2024		8.7000	*	4.0000
Copper, total	ug/L	MW-65	03/12/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-65	09/14/2016		28.2000	*	8.7000
Nickel, total	ug/L	MW-65	09/08/2017		10.9000	*	8.7000
Nickel, total	ug/L	MW-65	03/19/2018		15.3000	*	8.7000
Nickel, total	ug/L	MW-65	09/11/2018		24.8000	*	8.7000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result		Pred. Limit
Nickel, total	ug/L	MW-65	03/26/2019		12.3000	*	8.7000
Nickel, total	ug/L	MW-65	09/04/2019		9.2000	*	8.7000
Nickel, total	ug/L	MW-65	03/26/2020		7.6000		8.7000
Nickel, total	ug/L	MW-65	09/15/2020		5.8000		8.7000
Nickel, total	ug/L	MW-65	03/02/2021		7.4000		8.7000
Nickel, total	ug/L	MW-65	09/07/2021		4.5000		8.7000
Nickel, total	ug/L	MW-65	03/24/2022	ND	4.0000		8.7000
Nickel, total	ug/L	MW-65	08/31/2022		13.0000	*	8.7000
Nickel, total	ug/L	MW-65	03/02/2023		20.7000	*	8.7000
Nickel, total	ug/L	MW-65	09/12/2023		7.3000		8.7000
Nickel, total	ug/L	MW-65	03/04/2024		14.9000	*	8.7000
Nickel, total	ug/L	MW-65	09/23/2024		13.5000	*	8.7000
Nickel, total	ug/L	MW-65	03/12/2025		12.0000	*	8.7000

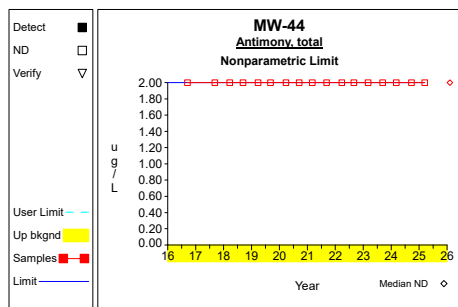
* - Significantly increased over background.

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

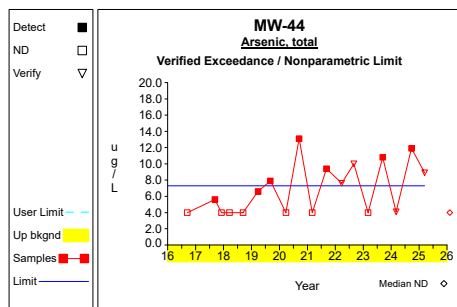
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

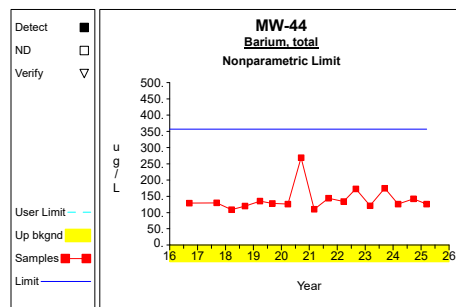
Up vs. Down Prediction Limits



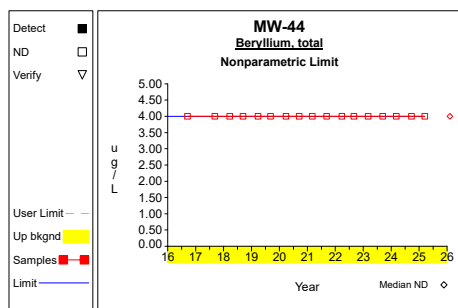
Graph 1



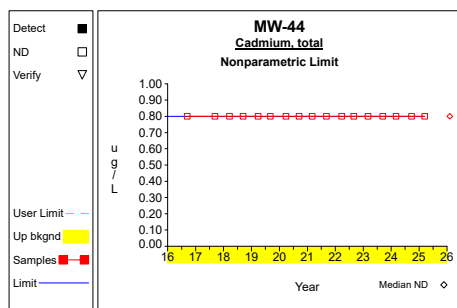
Graph 2



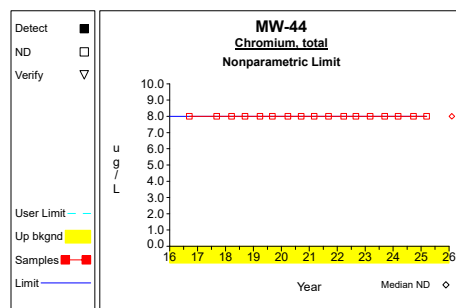
Graph 3



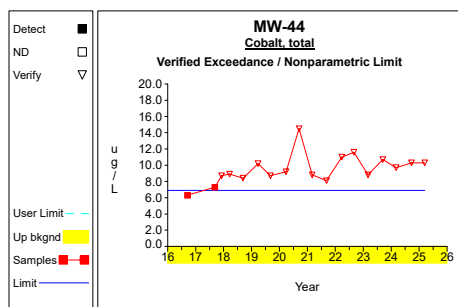
Graph 4



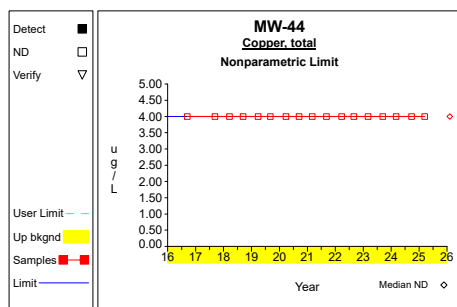
Graph 5



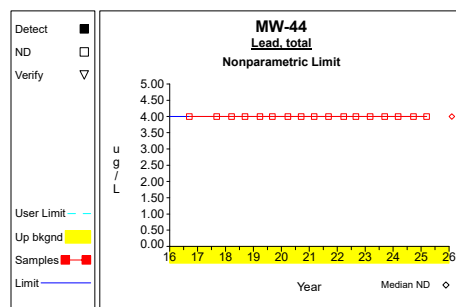
Graph 6



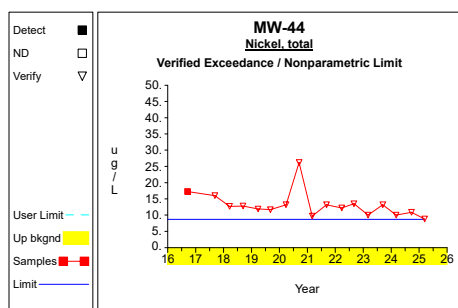
Graph 7



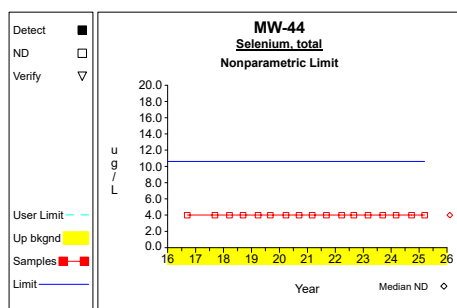
Graph 8



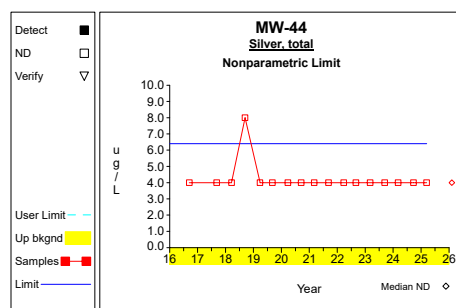
Graph 9



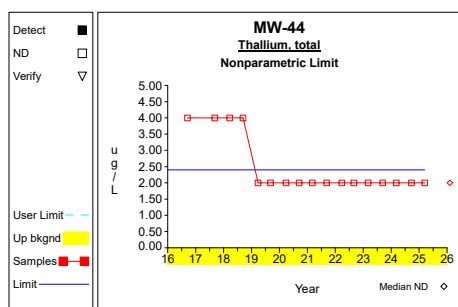
Graph 10



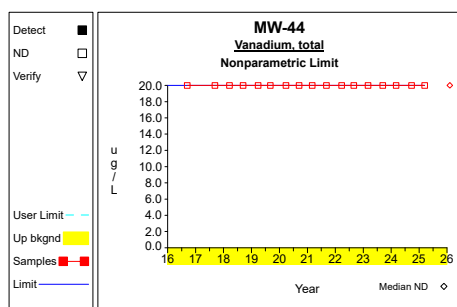
Graph 11



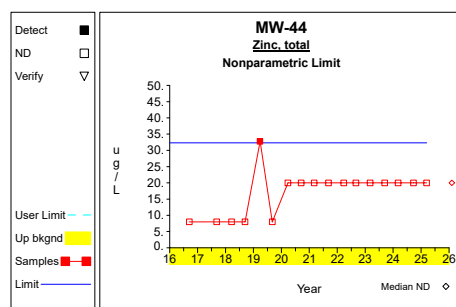
Graph 12



Graph 13

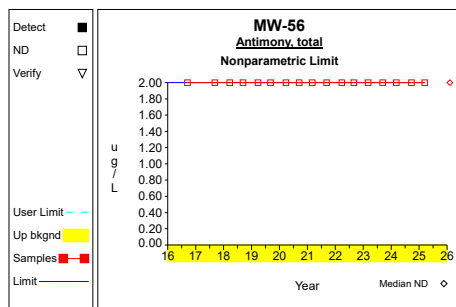


Graph 14

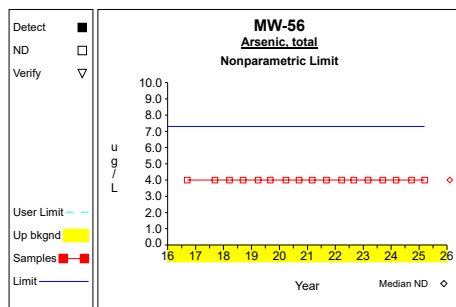


Graph 15

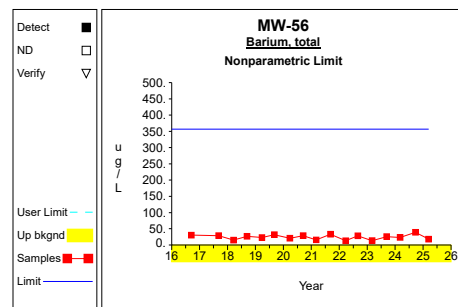
Up vs. Down Prediction Limits



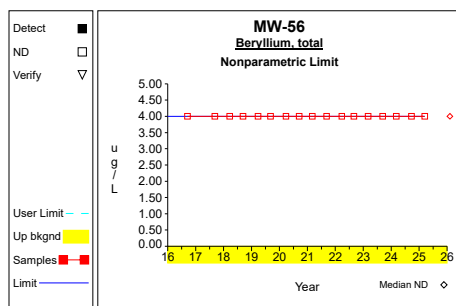
Graph 16



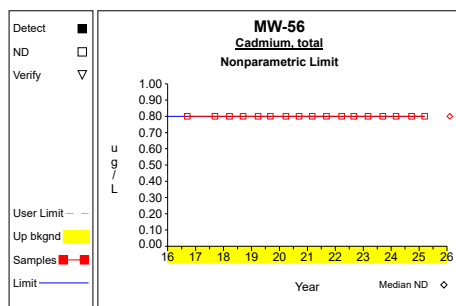
Graph 17



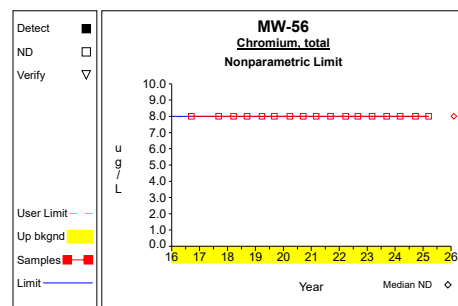
Graph 18



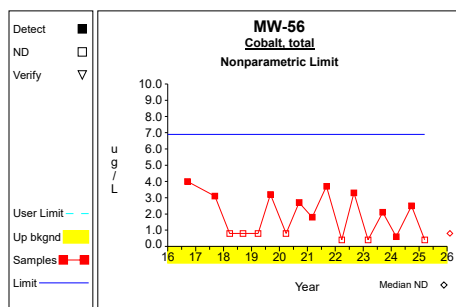
Graph 19



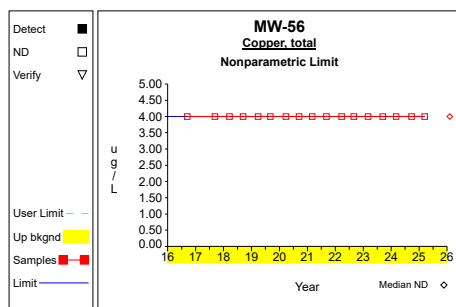
Graph 20



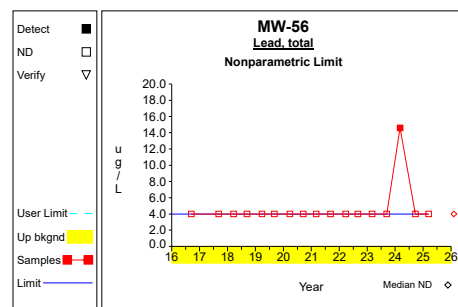
Graph 21



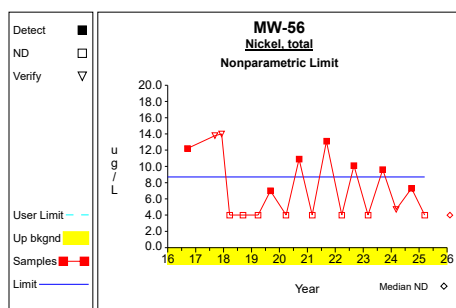
Graph 22



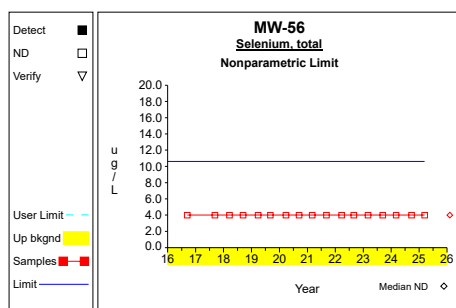
Graph 23



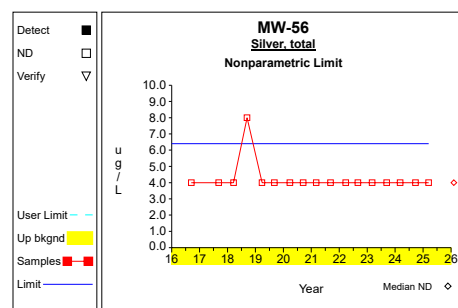
Graph 24



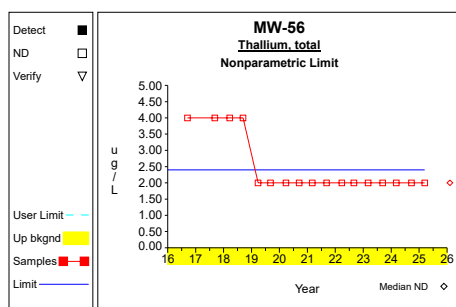
Graph 25



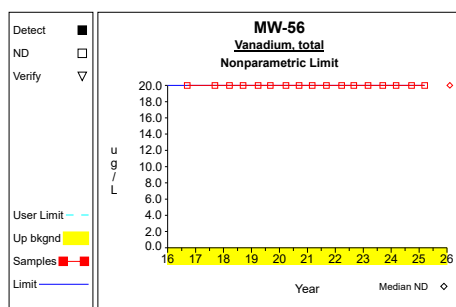
Graph 26



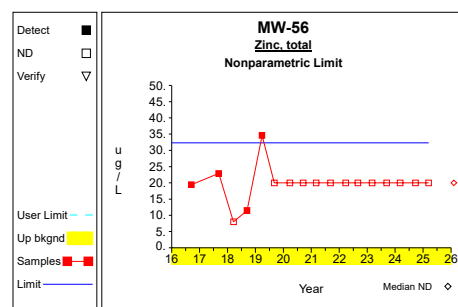
Graph 27



Graph 28

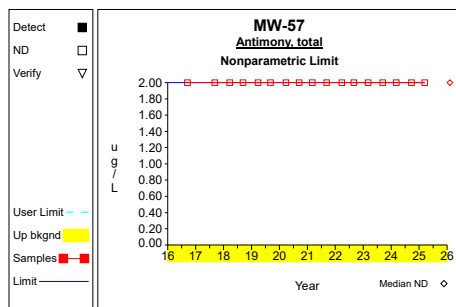


Graph 29

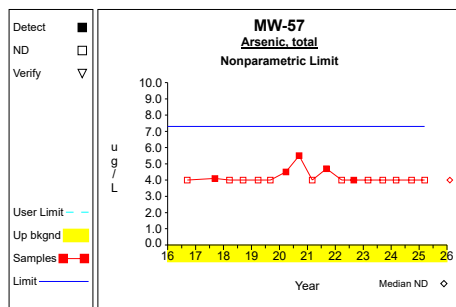


Graph 30

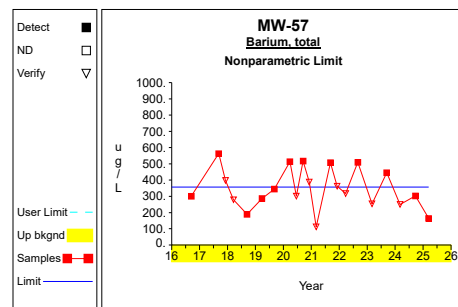
Up vs. Down Prediction Limits



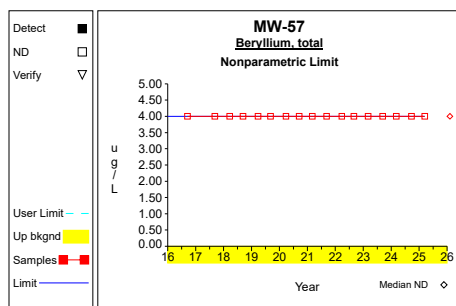
Graph 31



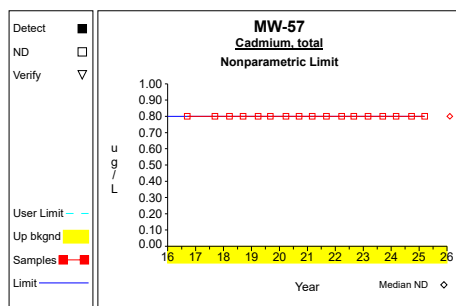
Graph 32



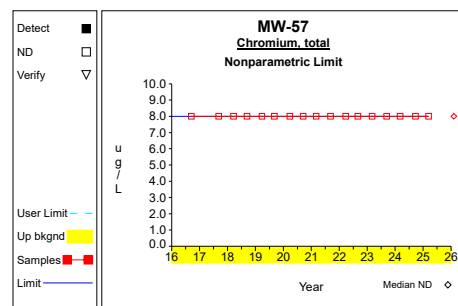
Graph 33



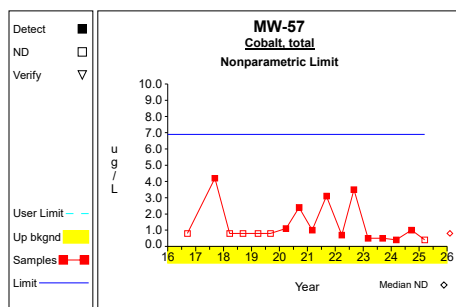
Graph 34



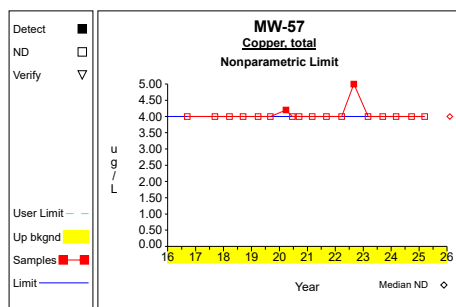
Graph 35



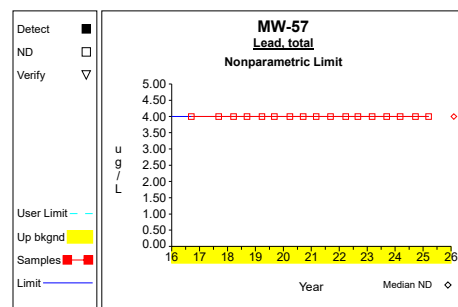
Graph 36



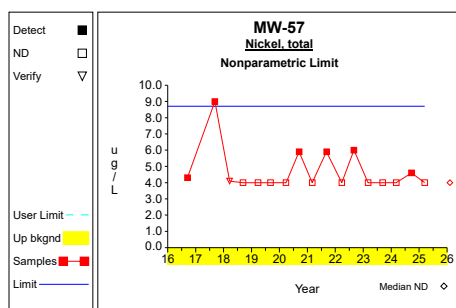
Graph 37



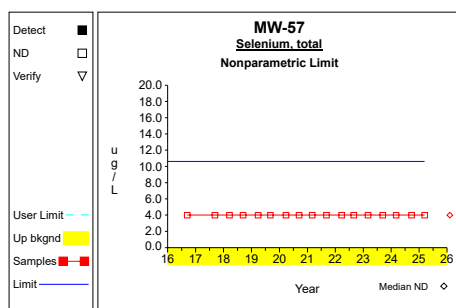
Graph 38



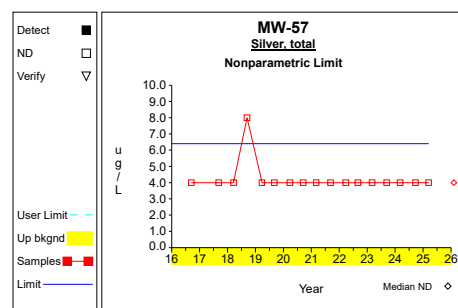
Graph 39



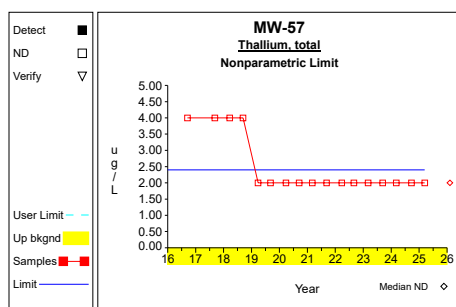
Graph 40



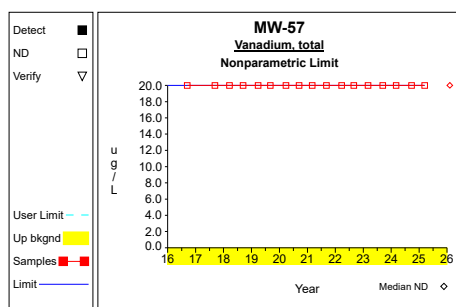
Graph 41



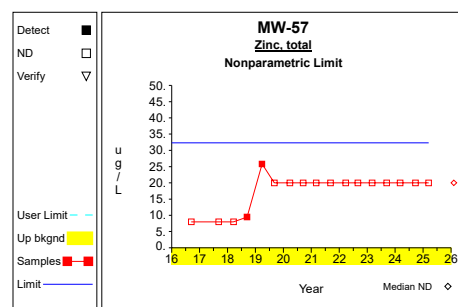
Graph 42



Graph 43

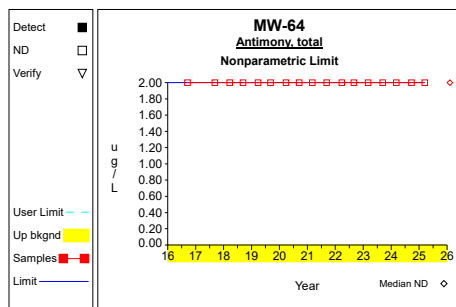


Graph 44

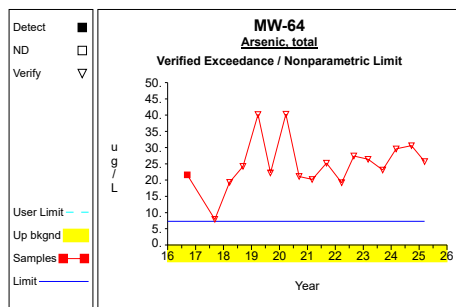


Graph 45

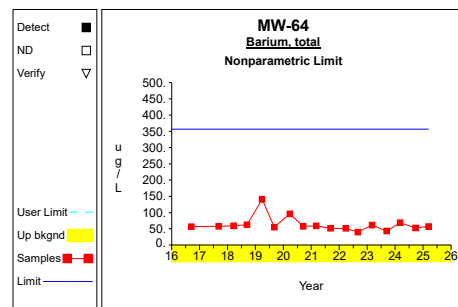
Up vs. Down Prediction Limits



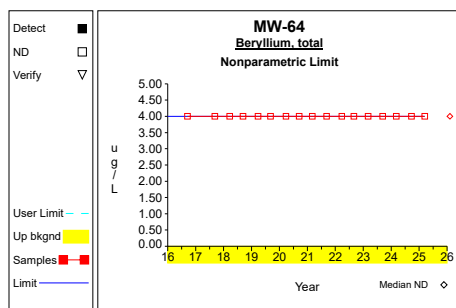
Graph 46



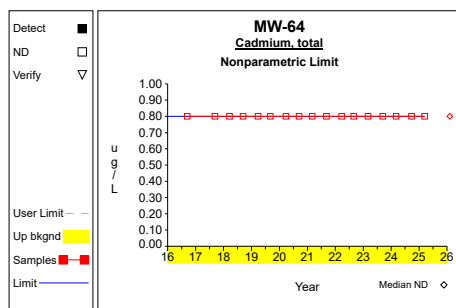
Graph 47



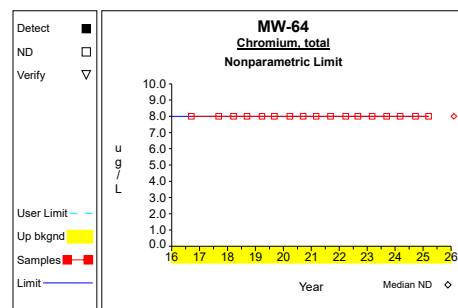
Graph 48



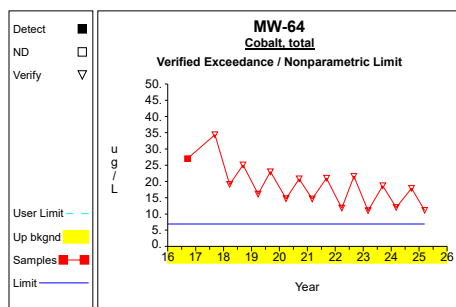
Graph 49



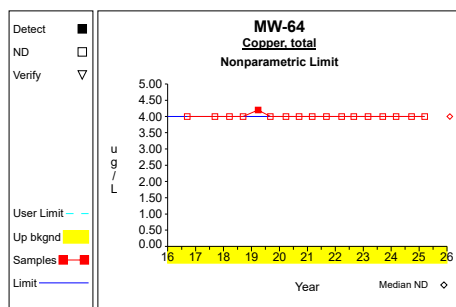
Graph 50



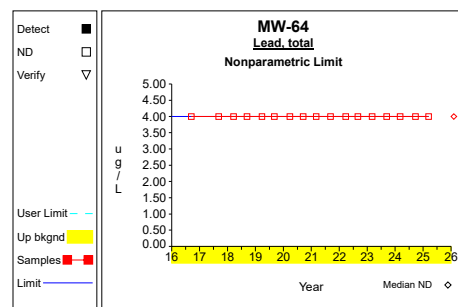
Graph 51



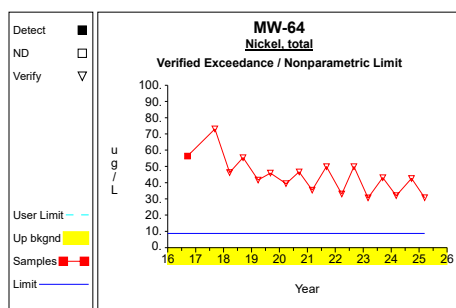
Graph 52



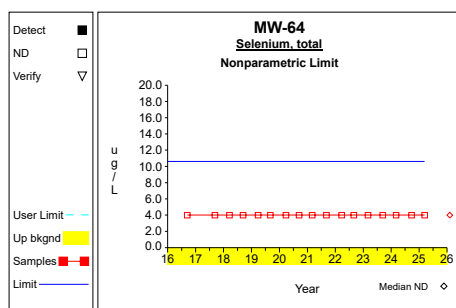
Graph 53



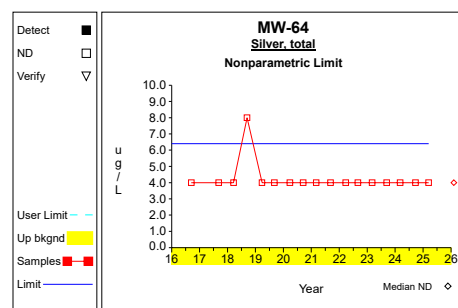
Graph 54



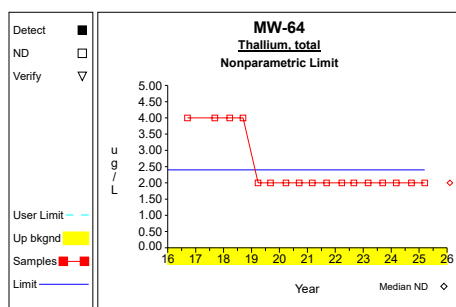
Graph 55



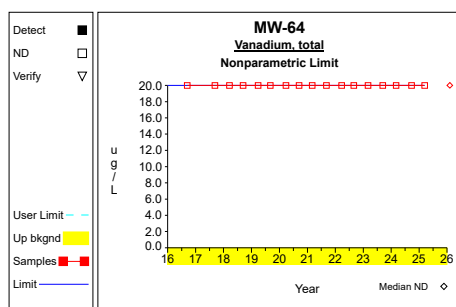
Graph 56



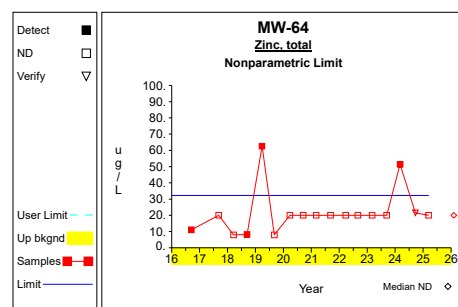
Graph 57



Graph 58

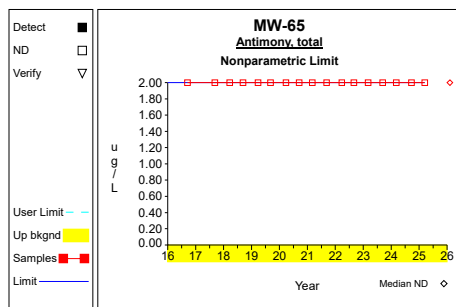


Graph 59

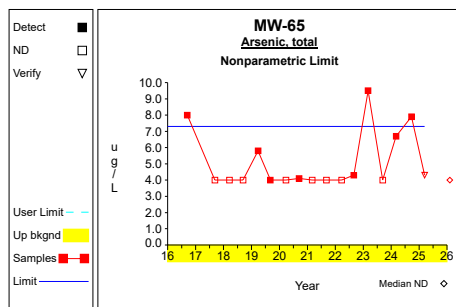


Graph 60

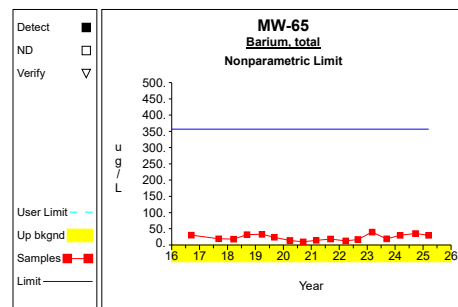
Up vs. Down Prediction Limits



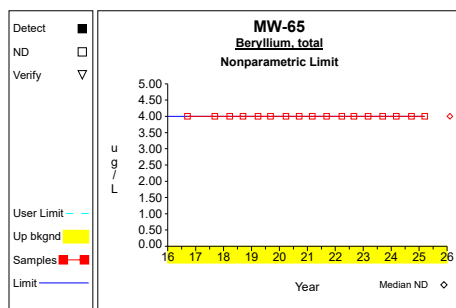
Graph 61



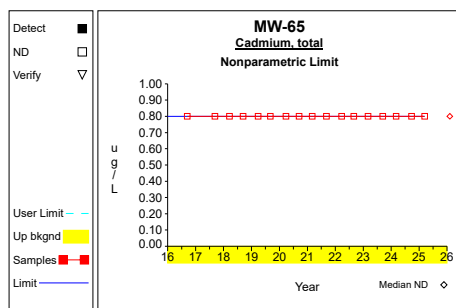
Graph 62



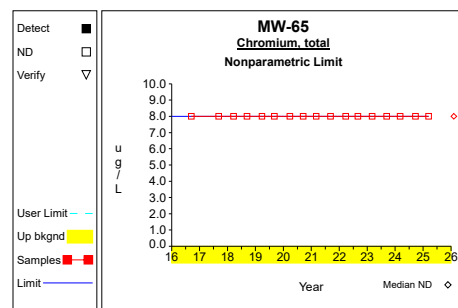
Graph 63



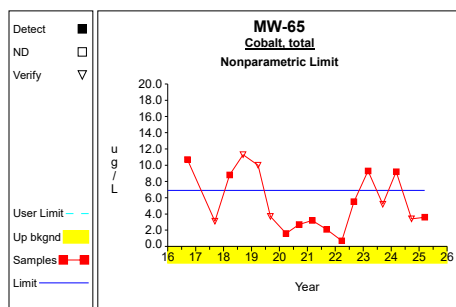
Graph 64



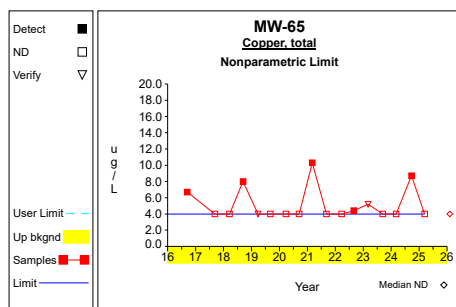
Graph 65



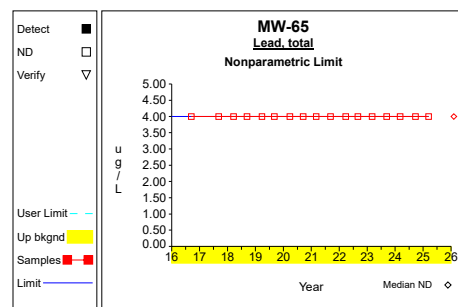
Graph 66



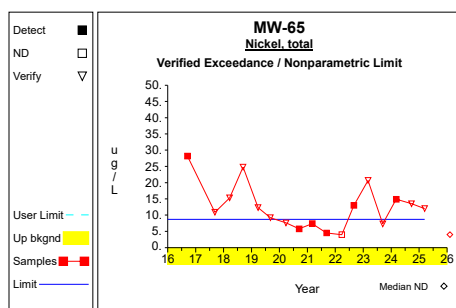
Graph 67



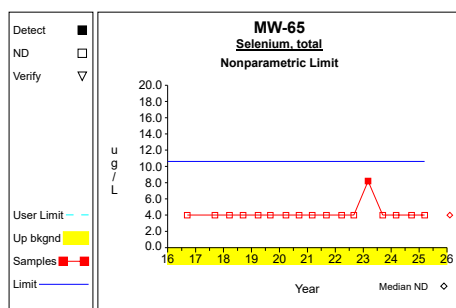
Graph 68



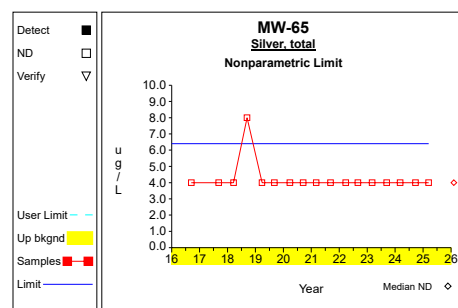
Graph 69



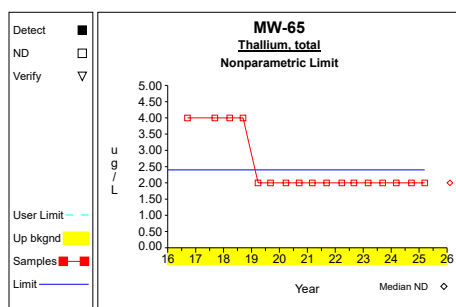
Graph 70



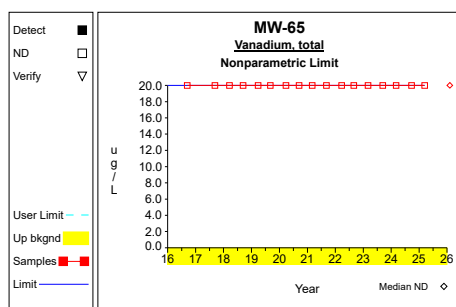
Graph 71



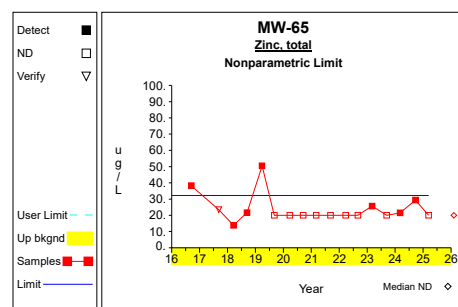
Graph 72



Graph 73



Graph 74



Graph 75

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

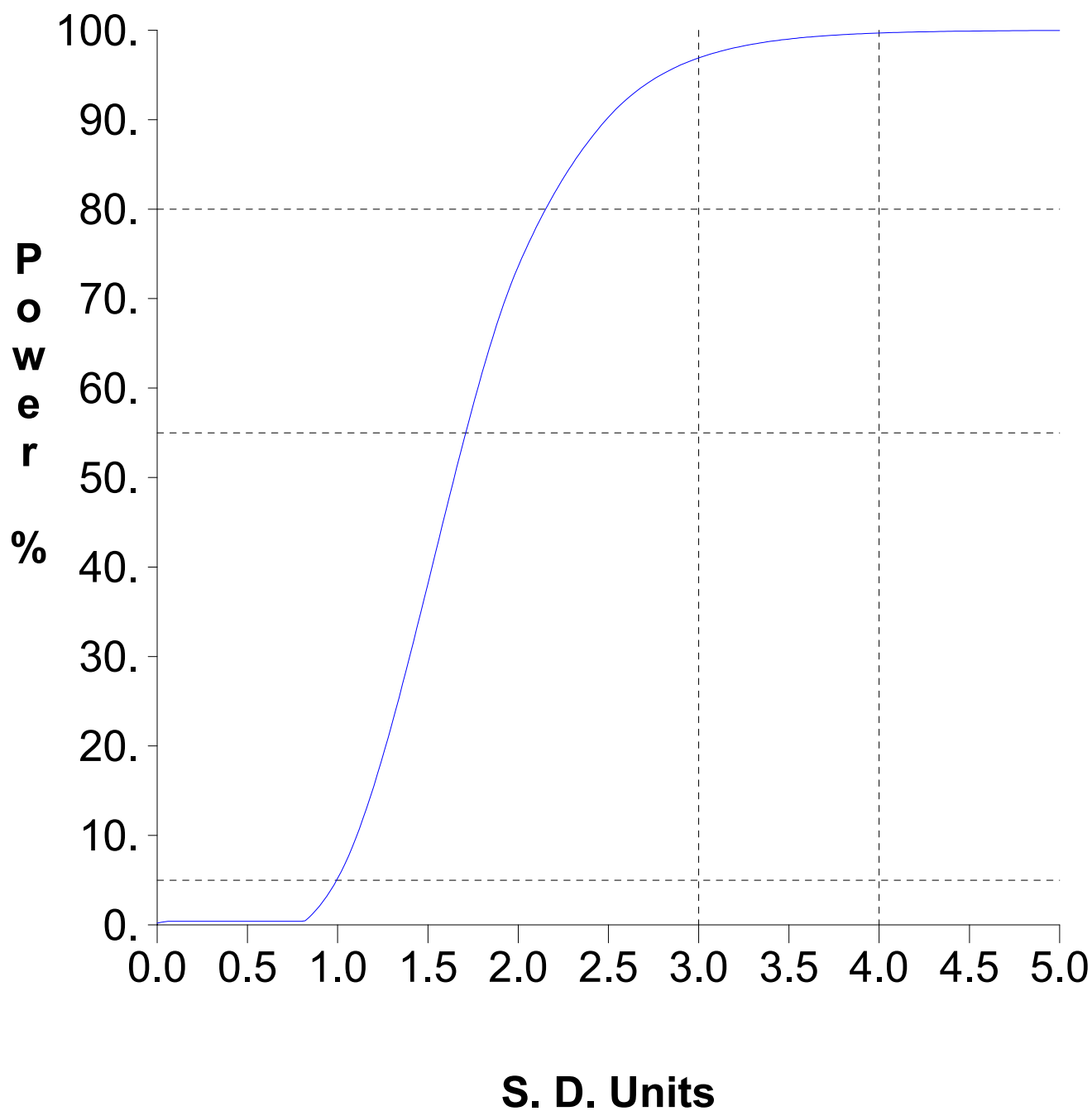


Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic, total	ug/L	MW-44	4	8.925	3.447	1.176	4.870	12.980	10.000		**
Cobalt, total	ug/L	MW-44	4	10.250	0.412	1.176	9.765	10.735	2.100		
Copper, total	ug/L	MW-44	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-44	4	10.725	1.861	1.176	8.536	12.914	100.000		
Arsenic, total	ug/L	MW-56	4	2.000	0.000	1.176	2.000	2.000	10.000		
Cobalt, total	ug/L	MW-56	4	1.400	1.055	1.176	0.159	2.641	2.100		
Copper, total	ug/L	MW-56	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-56	4	5.900	3.281	1.176	2.040	9.760	100.000		
Arsenic, total	ug/L	MW-57	4	2.000	0.000	1.176	2.000	2.000	10.000		
Cobalt, total	ug/L	MW-57	4	0.575	0.287	1.176	0.237	0.913	2.100		
Copper, total	ug/L	MW-57	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-57	4	2.650	1.300	1.176	1.121	4.179	100.000		
Arsenic, total	ug/L	MW-64	4	27.250	3.482	1.176	23.154	31.346	10.000		**
Cobalt, total	ug/L	MW-64	4	14.925	3.928	1.176	10.305	19.545	2.100	dec	
Copper, total	ug/L	MW-64	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-64	4	37.100	6.664	1.176	29.261	44.939	100.000	dec	
Arsenic, total	ug/L	MW-65	4	5.225	2.620	1.176	2.144	8.306	10.000		**
Cobalt, total	ug/L	MW-65	4	5.350	2.690	1.176	2.186	8.514	2.100		
Copper, total	ug/L	MW-65	4	3.675	3.350	1.176	0.000	7.616	1300.000		
Nickel, total	ug/L	MW-65	4	11.925	3.303	1.176	8.040	15.810	100.000		

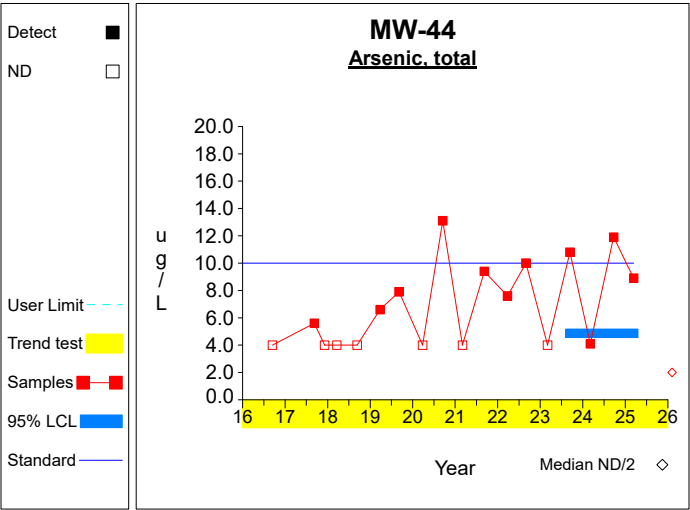
* - Insufficient Data

** - Significant Exceedance

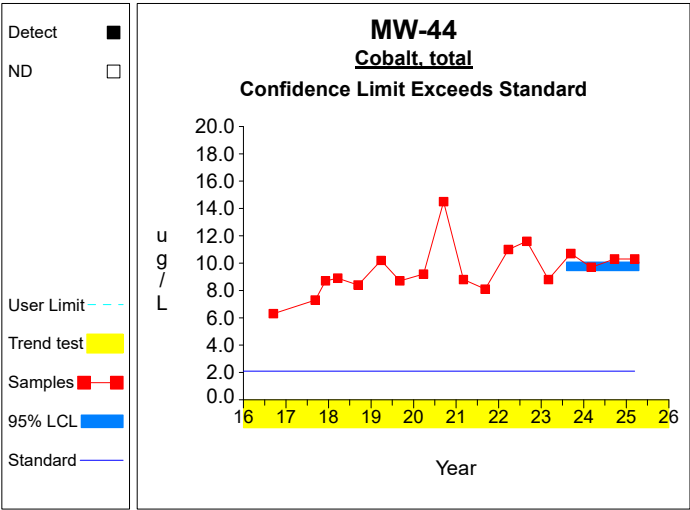
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

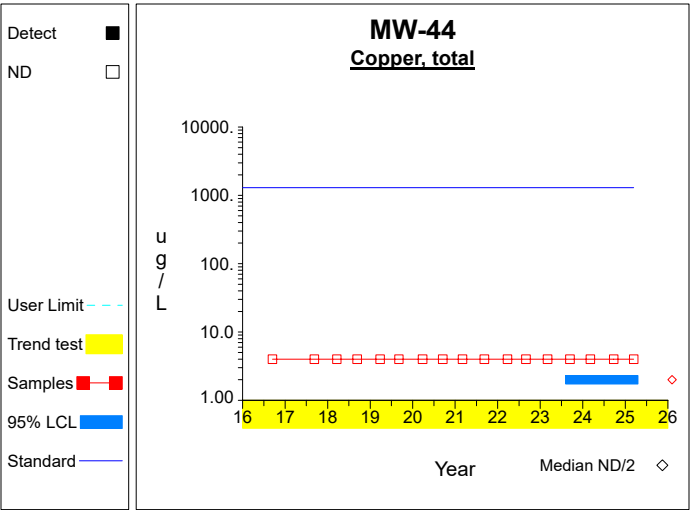
Confidence Limits (Assessment)



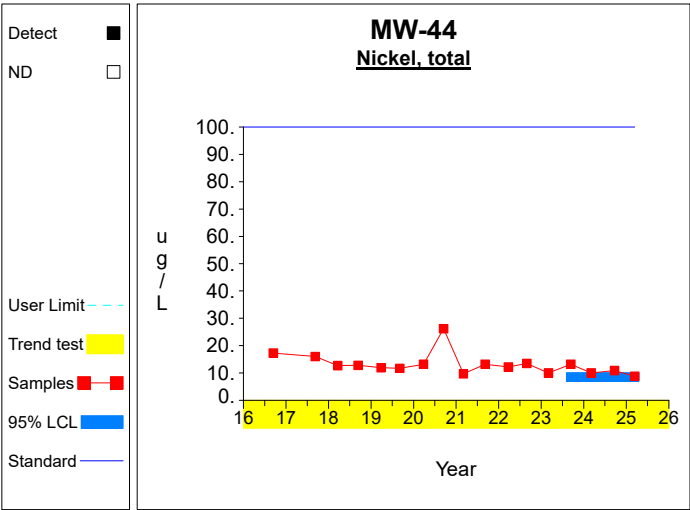
Graph 1



Graph 2

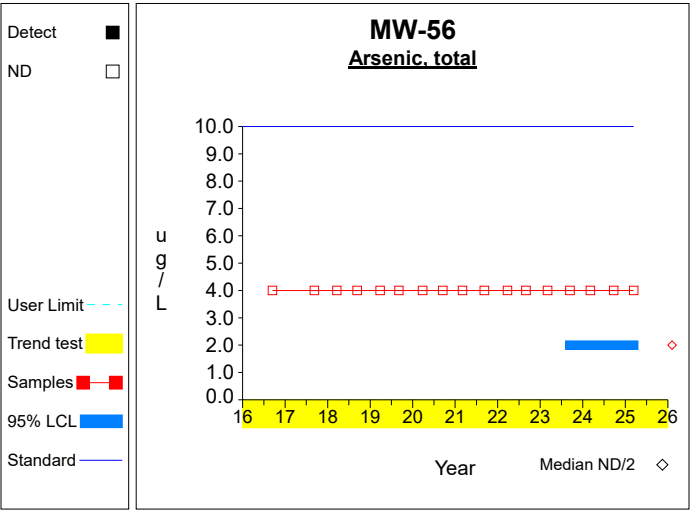


Graph 3

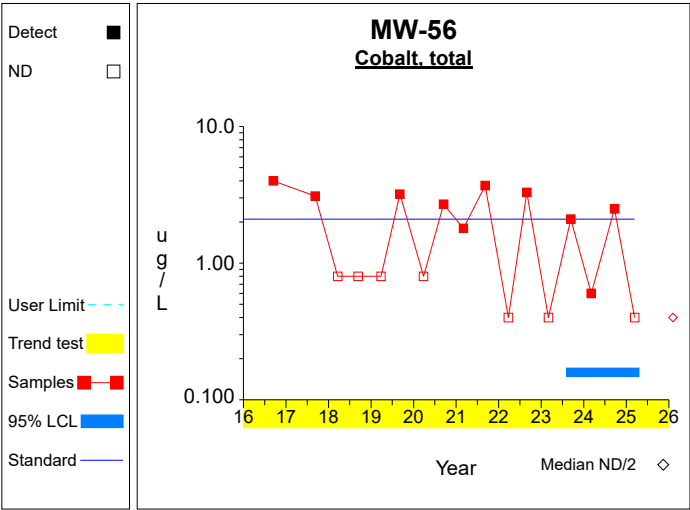


Graph 4

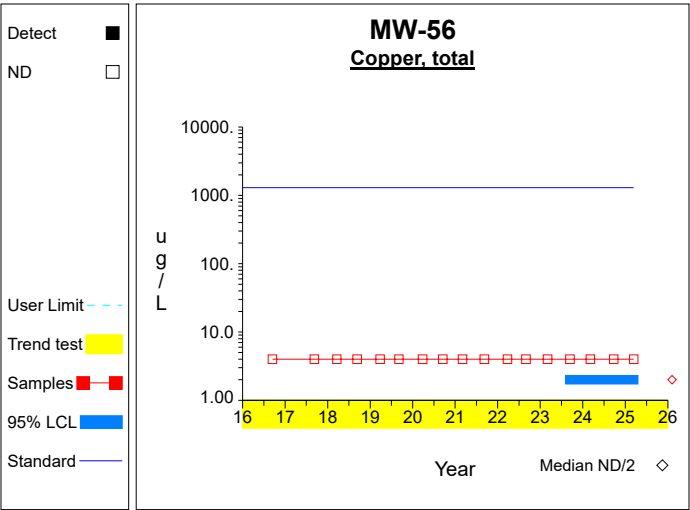
Confidence Limits (Assessment)



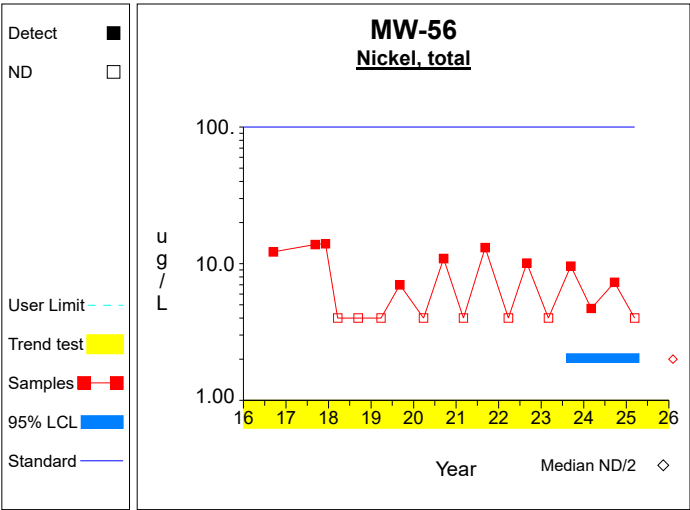
Graph 5



Graph 6

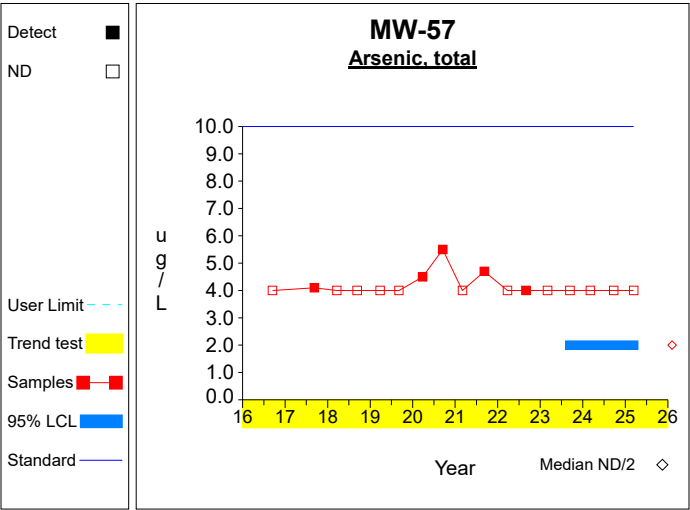


Graph 7

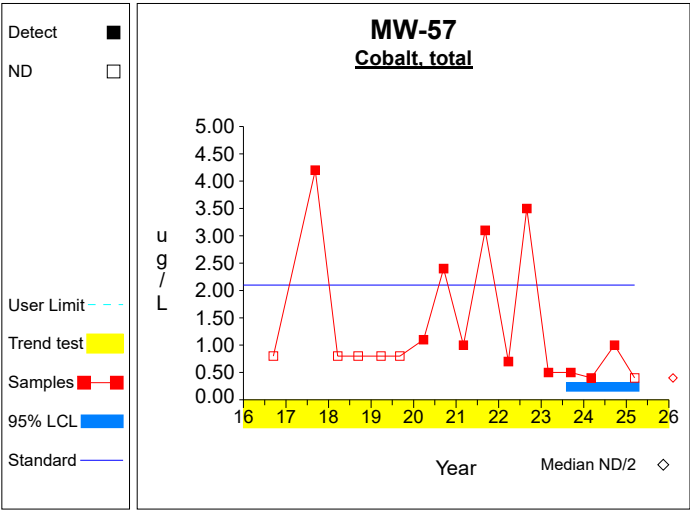


Graph 8

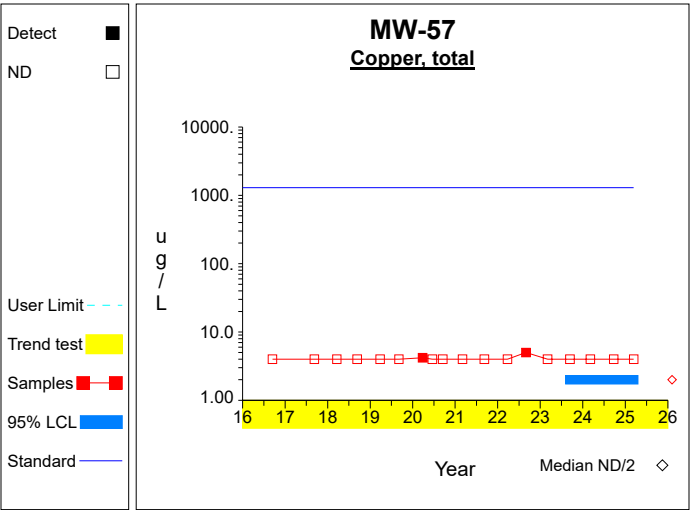
Confidence Limits (Assessment)



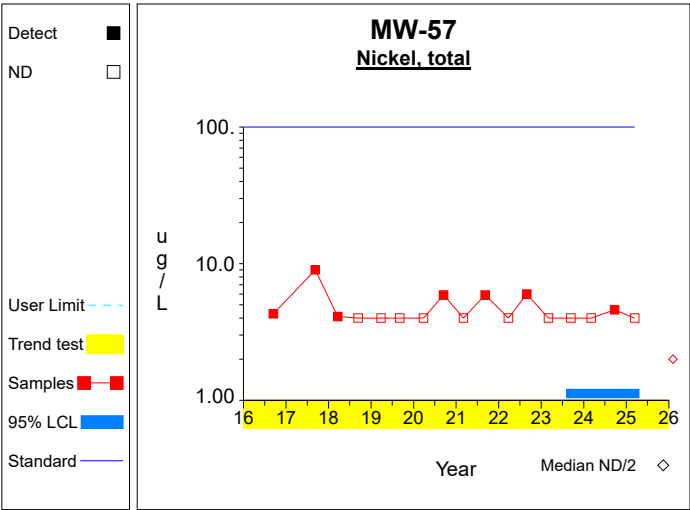
Graph 9



Graph 10

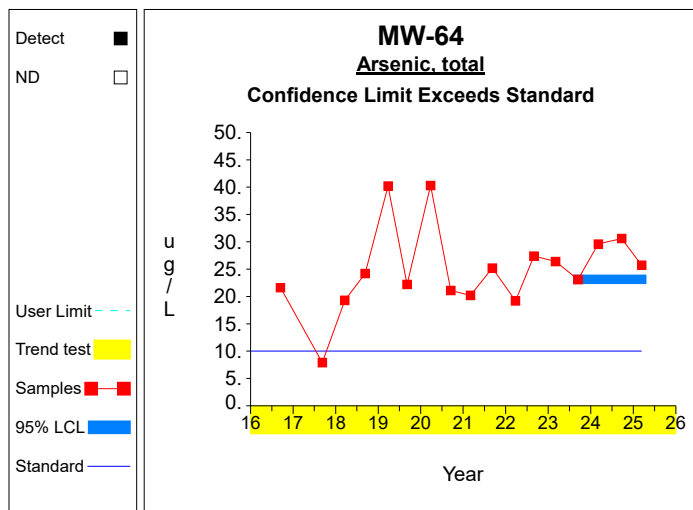


Graph 11

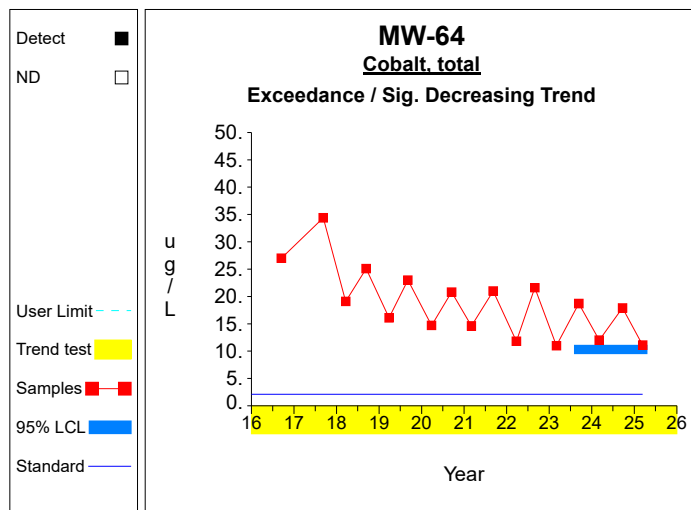


Graph 12

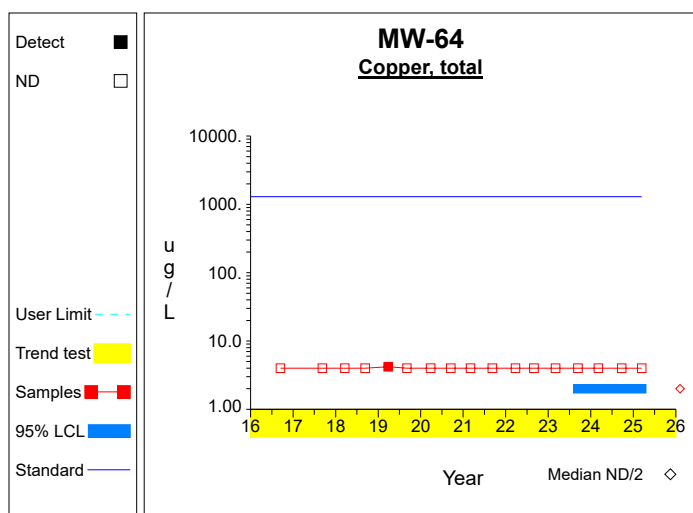
Confidence Limits (Assessment)



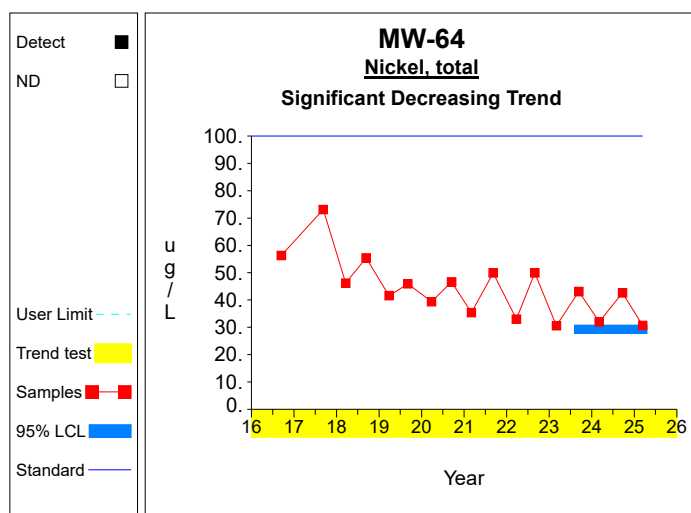
Graph 13



Graph 14

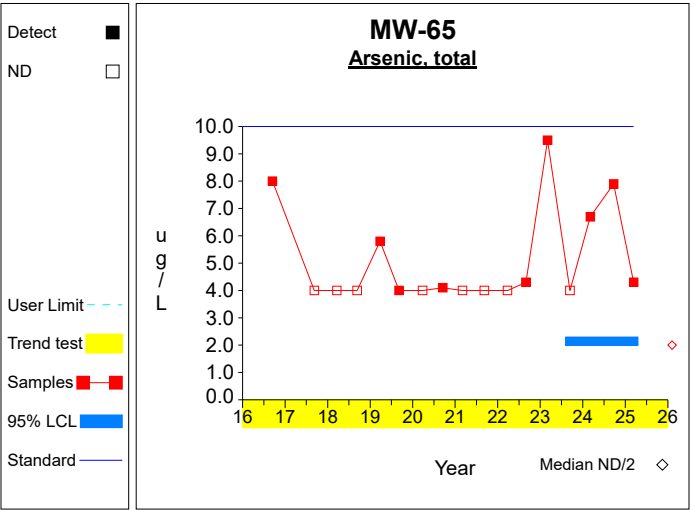


Graph 15

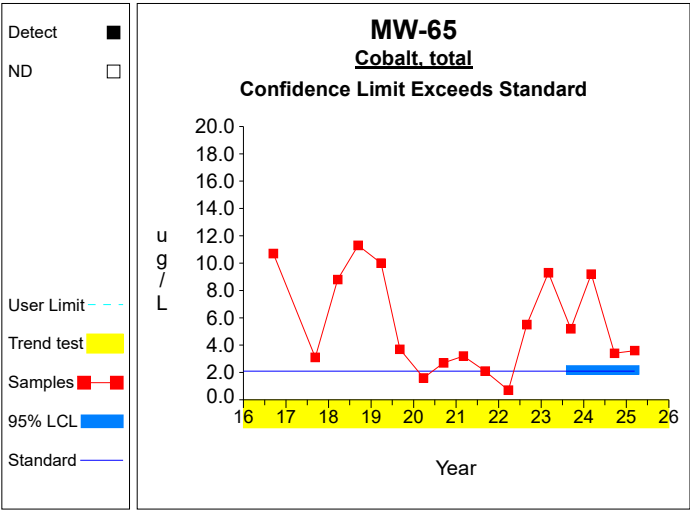


Graph 16

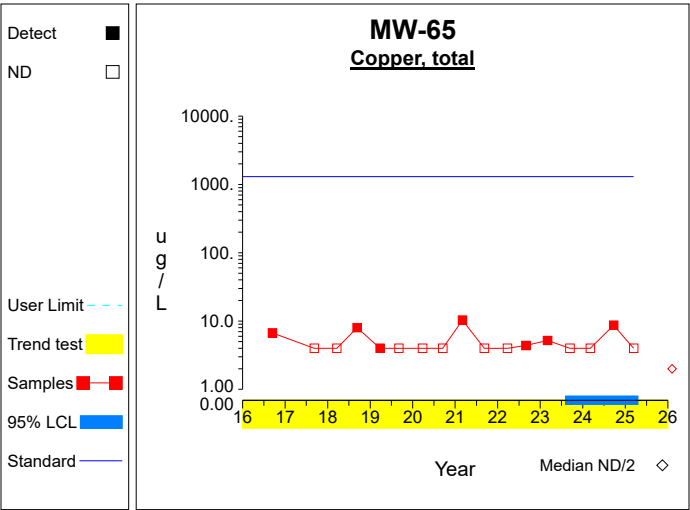
Confidence Limits (Assessment)



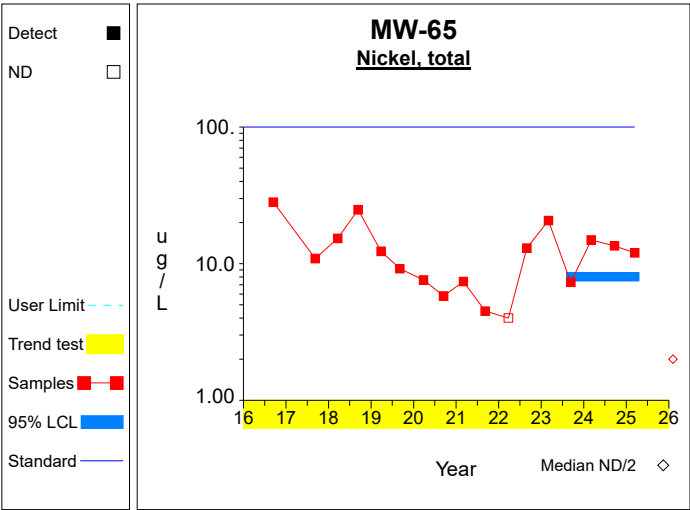
Graph 17



Graph 18



Graph 19



Graph 20

Attachment E

Historical Summary of the VOCs Detected

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	GWD-1	9/08/2011		1	1	ug/L
Acetone	GWD-1	9/16/2008		66.7	20.0	ug/L
Chloroethane	GWD-1	3/06/2009		1.0	1.0	ug/L
Chloroethane	GWD-1	3/29/2010		1.4	1.0	ug/L
Chloroethane	GWD-1	9/08/2011		1.6	1.0	ug/L
Chloroethane	GWD-1	9/25/2012		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	GWD-1	3/29/2010		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	GWD-1	9/28/2010		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	GWD-1	3/22/2011		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	GWD-1	9/08/2011		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	GWD-1	9/25/2012		1.1	1.0	ug/L
Vinyl chloride	GWD-1	3/29/2010		1.4	1.0	ug/L
Vinyl chloride	GWD-1	9/28/2010		1.0	1.0	ug/L
Vinyl chloride	GWD-1	3/22/2011		1.1	1.0	ug/L
Vinyl chloride	GWD-1	9/08/2011		1.2	1.0	ug/L
Trichlorofluoromethane	MW-39	9/25/2013		9	1	ug/L
1,1-dichloroethane	MW-41	9/27/2010		18.6	1.0	ug/L
1,1-dichloroethane	MW-41	3/23/2011		16.0	1.0	ug/L
1,1-dichloroethane	MW-41	9/08/2011		22.5	1.0	ug/L
1,1-dichloroethane	MW-41	3/09/2012		14.7	1.0	ug/L
1,1-dichloroethane	MW-41	9/25/2012		16.4	1.0	ug/L
1,1-dichloroethane	MW-41	3/15/2013		16.0	1.0	ug/L
1,1-dichloroethane	MW-41	9/25/2013		16.8	1.0	ug/L
1,1-dichloroethane	MW-41	3/25/2014		16.0	1.0	ug/L
1,1-dichloroethane	MW-41	9/24/2014		19.3	1.0	ug/L
1,1-dichloroethane	MW-41	3/11/2015		23.1	1.0	ug/L
1,1-dichloroethane	MW-41	9/16/2015		24.9	1.0	ug/L
1,1-dichloroethane	MW-41	3/22/2016		24.1	1.0	ug/L
1,1-dichloroethane	MW-41	9/15/2016		26.2	1.0	ug/L
1,1-dichloroethane	MW-41	3/23/2017		24.4	1.0	ug/L
1,1-dichloroethane	MW-41	9/08/2017		23.4	1.0	ug/L
1,1-dichloroethane	MW-41	3/19/2018		26.7	1.0	ug/L
1,1-dichloroethane	MW-41	9/11/2018		24.6	1.0	ug/L
1,1-dichloroethane	MW-41	3/26/2019		24.6	1.0	ug/L
1,1-dichloroethane	MW-41	9/04/2019		26.3	1.0	ug/L
1,1-dichloroethane	MW-41	3/26/2020		30.8	1.0	ug/L
1,1-dichloroethane	MW-41	9/15/2020		25.8	1.0	ug/L
1,1-dichloroethane	MW-41	3/02/2021		24.5	1.0	ug/L
1,1-dichloroethane	MW-41	9/07/2021		24.4	1.0	ug/L
1,1-dichloroethane	MW-41	3/24/2022		25.1	1.0	ug/L
1,1-dichloroethane	MW-41	8/31/2022		22.0	1.0	ug/L
1,1-dichloroethane	MW-41	3/02/2023		23.9	1.0	ug/L
1,1-dichloroethane	MW-41	9/12/2023		23.0	1.0	ug/L
1,1-dichloroethane	MW-41	3/04/2024		19.0	1.0	ug/L
1,1-dichloroethane	MW-41	9/23/2024		22.0	1.0	ug/L
1,1-dichloroethane	MW-41	3/12/2025		19.5	1.0	ug/L
1,2-dichloropropane	MW-41	3/26/2020		1.2	1.0	ug/L
1,2-dichloropropane	MW-41	3/02/2023		1.0	1.0	ug/L
1,2-dichloropropane	MW-41	9/23/2024		1.0	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-41	3/09/2012		22	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-41	3/25/2014		83	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-41	9/16/2015		10	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-41	3/26/2020		8	6	ug/L
Chloroethane	MW-41	3/26/2019		1.1	1.0	ug/L
Chloroethane	MW-41	3/26/2020		1.0	1.0	ug/L
Chloroethane	MW-41	9/07/2021		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/08/2011		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/24/2014		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/11/2015		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/16/2015		2.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/22/2016		2.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/15/2016		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/23/2017		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/08/2017		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/19/2018		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/11/2018		2.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/26/2019		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/04/2019		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/26/2020		5.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/15/2020		5.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/02/2021		4.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/07/2021		4.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/24/2022		4.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	8/31/2022		4.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/02/2023		4.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/12/2023		3.6	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	MW-41	3/04/2024		2.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/23/2024		3.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/12/2025		3.3	1.0	ug/L
Tetrachloroethylene	MW-41	9/11/2018		1	1	ug/L
Trichloroethylene	MW-41	9/11/2018		1.1	1.0	ug/L
2,4,5-t	MW-42	3/19/2018		5.0	.5	ug/L
Bis(2-ethylhexyl) phthalate	MW-42	3/02/2023		6	6	ug/L
Acetone	MW-44	9/08/2017		20	10	ug/L
Acetone	MW-45	3/02/2021		21.1	10.0	ug/L
Tetrachloroethylene	MW-48	3/04/2024		2.3	1.0	ug/L
1,1-dichloroethane	MW-56	9/14/2016		5.0	1.0	ug/L
1,1-dichloroethane	MW-56	9/08/2017		10.4	1.0	ug/L
1,1-dichloroethane	MW-56	9/04/2019		4.7	1.0	ug/L
1,1-dichloroethane	MW-56	9/15/2020		6.9	1.0	ug/L
1,1-dichloroethane	MW-56	9/07/2021		8.4	1.0	ug/L
1,1-dichloroethane	MW-56	8/31/2022		7.4	1.0	ug/L
1,1-dichloroethane	MW-56	9/12/2023		4.0	1.0	ug/L
1,1-dichloroethane	MW-56	3/04/2024		1.7	1.0	ug/L
1,1-dichloroethane	MW-56	9/23/2024		2.6	1.0	ug/L
Benzene	MW-56	3/11/1992		7.8	5.0	ug/L
Benzene	MW-56	6/30/1992		1.4	1.0	ug/L
Benzene	MW-56	9/24/1992		9.7	5.0	ug/L
Benzene	MW-56	12/29/1992		8.3	5.0	ug/L
Benzene	MW-56	9/26/1995		10.0	5.0	ug/L
Benzene	MW-56	12/13/1995		11.3	5.0	ug/L
Benzene	MW-56	3/20/1996		11.1	5.0	ug/L
Benzene	MW-56	6/19/1996		11.7	5.0	ug/L
Benzene	MW-56	9/06/1996		9.6	5.0	ug/L
Benzene	MW-56	3/27/1997		10.4	5.0	ug/L
Benzene	MW-56	9/10/1997		11.3	5.0	ug/L
Benzene	MW-56	1/20/1998		9.6	5.0	ug/L
Benzene	MW-56	3/23/1998		5.9	5.0	ug/L
Benzene	MW-56	9/08/1998		9.1	5.0	ug/L
Benzene	MW-56	3/19/1999		7.4	5.0	ug/L
Benzene	MW-56	9/03/1999		7.6	5.0	ug/L
Benzene	MW-56	3/24/2000		9.5	5.0	ug/L
Benzene	MW-56	9/15/2000		7.1	5.0	ug/L
Benzene	MW-56	9/04/2001		6.4	5.0	ug/L
Benzene	MW-56	9/12/2002		7.1	5.0	ug/L
Benzene	MW-56	3/21/2003		5.8	5.0	ug/L
Benzene	MW-56	9/20/2003		5.9	5.0	ug/L
Benzene	MW-56	3/24/2004		.4	.3	ug/L
Benzene	MW-56	9/13/2005		5.8	5.0	ug/L
Benzene	MW-56	9/01/2006		5.3	5.0	ug/L
Benzene	MW-56	9/25/2007		2.3	1.0	ug/L
Benzene	MW-56	9/08/2017		1.4	1.0	ug/L
Benzene	MW-56	9/07/2021		1.0	1.0	ug/L
Chlorobenzene	MW-56	12/13/1995		5.6	5.0	ug/L
Chlorobenzene	MW-56	3/20/1996		4.7	1.0	ug/L
Chlorobenzene	MW-56	6/19/1996		4.7	1.0	ug/L
Chlorobenzene	MW-56	9/06/1996		4.4	1.0	ug/L
Chlorobenzene	MW-56	3/27/1997		5.0	1.0	ug/L
Chlorobenzene	MW-56	1/20/1998		4.8	1.0	ug/L
Chlorobenzene	MW-56	9/08/1998		5.1	5.0	ug/L
Chlorobenzene	MW-56	3/19/1999		4.6	1.0	ug/L
Chlorobenzene	MW-56	9/03/1999		5.1	5.0	ug/L
Chlorobenzene	MW-56	3/24/2000		7.0	5.0	ug/L
Chlorobenzene	MW-56	9/15/2000		5.2	5.0	ug/L
Chlorobenzene	MW-56	9/04/2001		5.4	5.0	ug/L
Chlorobenzene	MW-56	9/12/2002		4.8	1.0	ug/L
Chlorobenzene	MW-56	3/21/2003		5.3	5.0	ug/L
Chlorobenzene	MW-56	9/20/2003		4.5	1.0	ug/L
Chlorobenzene	MW-56	3/24/2004		.5	.3	ug/L
Chlorobenzene	MW-56	9/11/2004		4.1	1.0	ug/L
Chlorobenzene	MW-56	9/13/2005		4.3	1.0	ug/L
Chlorobenzene	MW-56	9/01/2006		3.7	1.0	ug/L
Chlorobenzene	MW-56	9/25/2007		1.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-56	12/13/1995		113.0	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	3/20/1996		118.0	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	6/19/1996		101.0	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	9/06/1996		86.5	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	3/27/1997		71.4	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	9/10/1997		61.3	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	1/20/1998		42.7	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	3/23/1998		27.0	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	9/08/1998		26.6	5.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	MW-56	3/19/1999		18.6	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	9/03/1999		13.1	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	3/24/2000		8.6	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	9/15/2000		6.2	5.0	ug/L
Trans-1,2-dichloroethylene	MW-56	12/13/1995		3.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	3/20/1996		4.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	9/06/1996		3.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	3/27/1997		3.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	9/10/1997		3.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	1/20/1998		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	9/08/1998		2.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	3/19/1999		1.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	9/03/1999		1.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	3/24/2000		1.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	9/15/2000		1.3	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	9/12/2002		1.1	1.0	ug/L
Vinyl chloride	MW-56	12/13/1995		299.0	2.0	ug/L
Vinyl chloride	MW-56	3/20/1996		286.0	2.0	ug/L
Vinyl chloride	MW-56	6/19/1996		287.0	2.0	ug/L
Vinyl chloride	MW-56	9/06/1996		255.0	2.0	ug/L
Vinyl chloride	MW-56	3/27/1997		200.4	2.0	ug/L
Vinyl chloride	MW-56	9/10/1997		195.0	2.0	ug/L
Vinyl chloride	MW-56	1/20/1998		174.0	2.0	ug/L
Vinyl chloride	MW-56	3/23/1998		99.8	2.0	ug/L
Vinyl chloride	MW-56	9/08/1998		126.0	2.0	ug/L
Vinyl chloride	MW-56	3/19/1999		63.8	2.0	ug/L
Vinyl chloride	MW-56	9/03/1999		43.0	2.0	ug/L
Vinyl chloride	MW-56	3/24/2000		47.9	2.0	ug/L
Vinyl chloride	MW-56	9/15/2000		25.8	2.0	ug/L
Vinyl chloride	MW-56	9/04/2001		9.4	2.0	ug/L
Vinyl chloride	MW-56	9/12/2002		4.5	2.0	ug/L
Vinyl chloride	MW-56	9/20/2003		4.5	2.0	ug/L
Vinyl chloride	MW-56	3/24/2004		.4	.2	ug/L
Vinyl chloride	MW-56	9/11/2004		3.2	2.0	ug/L
Vinyl chloride	MW-56	9/13/2005		2.7	2.0	ug/L
Vinyl chloride	MW-56	9/01/2006		10.2	2.0	ug/L
Vinyl chloride	MW-56	9/25/2007		2.1	2.0	ug/L
Vinyl chloride	MW-56	9/24/2013		3.3	1.0	ug/L
Vinyl chloride	MW-56	9/14/2016		2.8	1.0	ug/L
Vinyl chloride	MW-56	9/08/2017		4.2	1.0	ug/L
Vinyl chloride	MW-56	9/15/2020		1.9	1.0	ug/L
Vinyl chloride	MW-56	9/07/2021		2.2	1.0	ug/L
Acetone	MW-57	9/08/2017		18.2	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-57	3/02/2023		7	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-58	3/26/2020		6	6	ug/L
Cis-1,2-dichloroethylene	MW-58	9/27/2010		14.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/23/2011		16.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/08/2011		16.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/09/2012		12.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/25/2012		14.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/15/2013		10.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/25/2013		7.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/25/2014		8.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/24/2014		3.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/11/2015		5.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/17/2015		5.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/22/2016		4.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/15/2016		5.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/23/2017		4.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/08/2017		5.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/19/2018		4.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/11/2018		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/26/2019		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/04/2019		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/26/2020		2.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/15/2020		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/02/2021		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/07/2021		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/24/2022		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	8/31/2022		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/02/2023		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/12/2023		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/04/2024		1.0	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-59	3/26/2019		15	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-59	12/04/2019		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-62R	9/25/2012		18	8	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Bis(2-ethylhexyl) phthalate	MW-62R	9/24/2013		19	10	ug/L
Trichlorofluoromethane	MW-62R	9/28/2010		5.3	1.0	ug/L
Trichlorofluoromethane	MW-62R	12/22/2010		3.1	1.0	ug/L
Trichlorofluoromethane	MW-62R	5/17/2011		3.2	1.0	ug/L
Trichlorofluoromethane	MW-62R	7/14/2011		2.1	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/08/2011		6.1	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/09/2012		4.2	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/25/2012		4.7	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/15/2013		5.1	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/25/2014		7.1	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/24/2014		8.6	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/11/2015		8.8	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/16/2015		6.3	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/22/2016		5.5	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/15/2016		6.5	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/23/2017		6.0	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/08/2017		5.1	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/19/2018		4.8	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/11/2018		5.1	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/26/2019		3.4	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/04/2019		3.4	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/26/2020		2.2	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/15/2020		1.7	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/02/2021		2.0	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/07/2021		1.3	1.0	ug/L
Trichlorofluoromethane	MW-62R	8/31/2022		1.6	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/02/2023		1.9	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/12/2023		1.4	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/04/2024		1.0	1.0	ug/L
1,1-dichloroethane	MW-64	9/14/2016		1.9	1.0	ug/L
1,1-dichloroethane	MW-64	9/08/2017		2.0	1.0	ug/L
1,1-dichloroethane	MW-64	3/19/2018		2.6	1.0	ug/L
1,1-dichloroethane	MW-64	9/11/2018		1.2	1.0	ug/L
1,1-dichloroethane	MW-64	3/26/2019		2.4	1.0	ug/L
1,1-dichloroethane	MW-64	9/04/2019		2.3	1.0	ug/L
1,1-dichloroethane	MW-64	3/26/2020		2.4	1.0	ug/L
1,1-dichloroethane	MW-64	9/15/2020		1.8	1.0	ug/L
1,1-dichloroethane	MW-64	3/02/2021		2.7	1.0	ug/L
1,1-dichloroethane	MW-64	9/07/2021		1.6	1.0	ug/L
1,1-dichloroethane	MW-64	3/24/2022		2.1	1.0	ug/L
1,1-dichloroethane	MW-64	8/31/2022		1.6	1.0	ug/L
1,1-dichloroethane	MW-64	3/02/2023		2.3	1.0	ug/L
1,1-dichloroethane	MW-64	9/12/2023		1.8	1.0	ug/L
1,1-dichloroethane	MW-64	3/04/2024		1.5	1.0	ug/L
1,1-dichloroethane	MW-64	9/23/2024		1.7	1.0	ug/L
1,1-dichloroethane	MW-64	3/12/2025		1.6	1.0	ug/L
Benzene	MW-64	9/03/1999		1.4	1.0	ug/L
Benzene	MW-64	3/24/2000		2.1	1.0	ug/L
Benzene	MW-64	9/15/2000		1.1	1.0	ug/L
Benzene	MW-64	3/20/2001		1.4	1.0	ug/L
Benzene	MW-64	3/20/2002		1.8	1.0	ug/L
Benzene	MW-64	9/12/2002		2.1	1.0	ug/L
Benzene	MW-64	3/21/2003		1.9	1.0	ug/L
Benzene	MW-64	9/20/2003		1.8	1.0	ug/L
Benzene	MW-64	3/24/2004		1.8	1.0	ug/L
Benzene	MW-64	3/03/2005		1.6	1.0	ug/L
Benzene	MW-64	9/13/2005		1.5	1.0	ug/L
Benzene	MW-64	3/16/2006		1.4	1.0	ug/L
Benzene	MW-64	9/01/2006		1.5	1.0	ug/L
Benzene	MW-64	3/27/2007		1.1	1.0	ug/L
Benzene	MW-64	9/25/2007		1.0	.3	ug/L
Benzene	MW-64	3/20/2008		1.0	.3	ug/L
Benzene	MW-64	3/20/2008		1.0	1.0	ug/L
Benzene	MW-64	9/16/2008		1.0	1.0	ug/L
Chlorobenzene	MW-64	9/03/1999		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/23/1998		19.8	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/08/1998		28.2	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/19/1999		46.5	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/03/1999		34.2	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/24/2000		82.1	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/15/2000		43.8	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/20/2001		56.4	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/04/2001		67.0	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/20/2002		82.1	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/14/2016		36.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/08/2017		23.7	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	MW-64	3/19/2018		17.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/11/2018		15.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/26/2019		9.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/04/2019		8.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/26/2020		4.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/15/2020		6.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/02/2021		7.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/07/2021		7.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/24/2022		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	8/31/2022		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/02/2023		3.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/12/2023		4.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/04/2024		2.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/23/2024		4.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/12/2025		2.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-64	9/15/2000		1.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-64	3/20/2001		1.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-64	3/20/2002		2.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-64	9/12/2002		2.4	1.0	ug/L
Vinyl chloride	MW-64	1/20/1998		7.4	2.0	ug/L
Vinyl chloride	MW-64	3/23/1998		8.0	2.0	ug/L
Vinyl chloride	MW-64	9/08/1998		12.0	2.0	ug/L
Vinyl chloride	MW-64	3/19/1999		17.8	2.0	ug/L
Vinyl chloride	MW-64	9/03/1999		12.1	2.0	ug/L
Vinyl chloride	MW-64	3/24/2000		59.8	2.0	ug/L
Vinyl chloride	MW-64	9/15/2000		19.7	2.0	ug/L
Vinyl chloride	MW-64	3/20/2001		35.4	2.0	ug/L
Vinyl chloride	MW-64	9/04/2001		35.6	2.0	ug/L
Vinyl chloride	MW-64	3/20/2002		44.3	2.0	ug/L
Vinyl chloride	MW-64	9/12/2002		51.8	2.0	ug/L
Vinyl chloride	MW-64	3/21/2003		56.1	2.0	ug/L
Vinyl chloride	MW-64	9/20/2003		57.0	2.0	ug/L
Vinyl chloride	MW-64	3/24/2004		65.8	2.0	ug/L
Vinyl chloride	MW-64	9/11/2004		65.8	2.0	ug/L
Vinyl chloride	MW-64	3/03/2005		81.3	2.0	ug/L
Vinyl chloride	MW-64	9/13/2005		85.2	2.0	ug/L
Vinyl chloride	MW-64	3/16/2006		103.0	2.0	ug/L
Vinyl chloride	MW-64	9/01/2006		122.0	2.0	ug/L
Vinyl chloride	MW-64	3/27/2007		87.5	2.0	ug/L
Vinyl chloride	MW-64	9/25/2007		74.4	2.0	ug/L
Vinyl chloride	MW-64	3/20/2008		61.9	1.0	ug/L
Vinyl chloride	MW-64	3/20/2008		61.9	2.0	ug/L
Vinyl chloride	MW-64	9/16/2008		77.9	2.0	ug/L
Vinyl chloride	MW-64	9/16/2008		77.9	1.0	ug/L
Vinyl chloride	MW-64	3/06/2009		45.9	1.0	ug/L
Vinyl chloride	MW-64	9/13/2009		42.5	1.0	ug/L
Vinyl chloride	MW-64	9/24/2013		70.6	1.0	ug/L
Vinyl chloride	MW-64	9/25/2014		38.9	1.0	ug/L
Vinyl chloride	MW-64	3/25/2015		20.0	1.0	ug/L
Vinyl chloride	MW-64	9/16/2015		20.1	1.0	ug/L
Vinyl chloride	MW-64	9/14/2016		23.7	1.0	ug/L
Vinyl chloride	MW-64	3/23/2017		14.3	1.0	ug/L
Vinyl chloride	MW-64	9/08/2017		17.4	1.0	ug/L
Vinyl chloride	MW-64	3/19/2018		14.4	1.0	ug/L
Vinyl chloride	MW-64	9/11/2018		7.9	1.0	ug/L
Vinyl chloride	MW-64	3/26/2019		7.0	1.0	ug/L
Vinyl chloride	MW-64	9/04/2019		5.6	1.0	ug/L
Vinyl chloride	MW-64	3/26/2020		3.7	1.0	ug/L
Vinyl chloride	MW-64	9/15/2020		5.6	1.0	ug/L
Vinyl chloride	MW-64	3/02/2021		3.4	1.0	ug/L
Vinyl chloride	MW-64	9/07/2021		2.6	1.0	ug/L
Vinyl chloride	MW-64	3/24/2022		1.6	1.0	ug/L
Vinyl chloride	MW-64	8/31/2022		1.7	1.0	ug/L
Vinyl chloride	MW-64	3/02/2023		1.9	1.0	ug/L
Vinyl chloride	MW-64	9/12/2023		1.8	1.0	ug/L
Vinyl chloride	MW-64	3/04/2024		2.7	1.0	ug/L
Vinyl chloride	MW-64	9/23/2024		1.7	1.0	ug/L
Vinyl chloride	MW-65	9/16/2008		1.2	1.0	ug/L
Vinyl chloride	MW-65	9/16/2008		1.2	1.0	ug/L
Vinyl chloride	MW-65	9/24/2013		3.1	1.0	ug/L
Carbon disulfide	MW-79	12/22/2010		1	1	ug/L
Trichlorofluoromethane	MW-79	3/24/2022		1.6	1.0	ug/L
Toluene	PECS-1	9/23/2024		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101	3/23/2017		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101	3/26/2019		2.8	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101	9/04/2019		2.9	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	SW-101	12/04/2019		3.6	1.0	ug/L
Vinyl chloride	SW-101	9/04/2019		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	3/26/2020		2.6	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	9/15/2020		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	3/02/2021		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	9/07/2021		5.9	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	3/24/2022		5.5	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	8/31/2022		6.1	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	3/02/2023		5.9	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	9/12/2023		6.0	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	3/04/2024		4.0	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	9/23/2024		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	3/12/2025		2.2	1.0	ug/L
Vinyl chloride	SW-101R	9/15/2020		1.8	1.0	ug/L
Vinyl chloride	SW-101R	3/02/2021		1.8	1.0	ug/L
Vinyl chloride	SW-101R	9/07/2021		4.6	1.0	ug/L
Vinyl chloride	SW-101R	3/24/2022		6.5	1.0	ug/L
Vinyl chloride	SW-101R	8/31/2022		3.9	1.0	ug/L
Vinyl chloride	SW-101R	3/02/2023		5.9	1.0	ug/L
Vinyl chloride	SW-101R	9/12/2023		4.4	1.0	ug/L
Vinyl chloride	SW-101R	3/04/2024		5.3	1.0	ug/L
Vinyl chloride	SW-101R	9/23/2024		3.1	1.0	ug/L
Vinyl chloride	SW-101R	3/12/2025		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	SW-103	12/13/1995		5.3	5.0	ug/L
Cis-1,2-dichloroethylene	SW-103	3/20/1996		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	SW-103	3/27/1997		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	SW-103	3/20/2002		1.4	1.0	ug/L
Vinyl chloride	SW-103	12/13/1995		6.2	2.0	ug/L

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

Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
1,1-dichloroethane	ug/L	MW-41	4	20.875	1.931	1.176	18.603	23.147	140.000	inc
1,2-dichloropropane	ug/L	MW-41	4	0.625	0.250	1.176	0.331	0.919	5.000	
Cis-1,2-dichloroethylene	ug/L	MW-41	4	3.100	0.510	1.176	2.500	3.700	70.000	
Toluene	ug/L	MW-41	4	0.500	0.000	1.176	0.500	0.500	1000.000	
Trichlorofluoromethane	ug/L	MW-41	4	0.500	0.000	1.176	0.500	0.500	2000.000	
Vinyl chloride	ug/L	MW-41	4	0.500	0.000	1.176	0.500	0.500	2.000	
1,1-dichloroethane	ug/L	MW-56	4	2.200	1.476	1.176	0.463	3.937	140.000	
1,2-dichloropropane	ug/L	MW-56	4	0.500	0.000	1.176	0.500	0.500	5.000	
Cis-1,2-dichloroethylene	ug/L	MW-56	4	0.500	0.000	1.176	0.500	0.500	70.000	
Toluene	ug/L	MW-56	4	0.500	0.000	1.176	0.500	0.500	1000.000	
Trichlorofluoromethane	ug/L	MW-56	4	0.500	0.000	1.176	0.500	0.500	2000.000	
Vinyl chloride	ug/L	MW-56	4	0.500	0.000	1.176	0.500	0.500	2.000	
1,1-dichloroethane	ug/L	MW-58	4	0.500	0.000	1.176	0.500	0.500	140.000	dec
1,2-dichloropropane	ug/L	MW-58	4	0.500	0.000	1.176	0.500	0.500	5.000	
Cis-1,2-dichloroethylene	ug/L	MW-58	4	0.925	0.568	1.176	0.257	1.593	70.000	
Toluene	ug/L	MW-58	4	0.500	0.000	1.176	0.500	0.500	1000.000	
Trichlorofluoromethane	ug/L	MW-58	4	0.500	0.000	1.176	0.500	0.500	2000.000	
Vinyl chloride	ug/L	MW-58	4	0.500	0.000	1.176	0.500	0.500	2.000	
1,1-dichloroethane	ug/L	MW-62R	4	0.500	0.000	1.176	0.500	0.500	140.000	dec
1,2-dichloropropane	ug/L	MW-62R	4	0.500	0.000	1.176	0.500	0.500	5.000	
Cis-1,2-dichloroethylene	ug/L	MW-62R	4	0.500	0.000	1.176	0.500	0.500	70.000	
Toluene	ug/L	MW-62R	4	0.500	0.000	1.176	0.500	0.500	1000.000	
Trichlorofluoromethane	ug/L	MW-62R	4	0.850	0.436	1.176	0.337	1.363	2000.000	
Vinyl chloride	ug/L	MW-62R	4	0.500	0.000	1.176	0.500	0.500	2.000	
1,1-dichloroethane	ug/L	MW-64	4	1.650	0.129	1.176	1.498	1.802	140.000	dec
1,2-dichloropropane	ug/L	MW-64	4	0.500	0.000	1.176	0.500	0.500	5.000	
Cis-1,2-dichloroethylene	ug/L	MW-64	4	3.250	1.234	1.176	1.798	4.702	70.000	
Toluene	ug/L	MW-64	4	0.500	0.000	1.176	0.500	0.500	1000.000	
Trichlorofluoromethane	ug/L	MW-64	4	0.500	0.000	1.176	0.500	0.500	2000.000	
Vinyl chloride	ug/L	MW-64	4	1.675	0.903	1.176	0.613	2.737	2.000	dec
1,1-dichloroethane	ug/L	SW-101R	4	0.500	0.000	1.176	0.500	0.500	140.000	
1,2-dichloropropane	ug/L	SW-101R	4	0.500	0.000	1.176	0.500	0.500	5.000	
Cis-1,2-dichloroethylene	ug/L	SW-101R	4	3.900	1.587	1.176	2.033	5.767	70.000	
Toluene	ug/L	SW-101R	4	0.500	0.000	1.176	0.500	0.500	1000.000	
Trichlorofluoromethane	ug/L	SW-101R	4	0.500	0.000	1.176	0.500	0.500	2000.000	
Vinyl chloride	ug/L	SW-101R	4	3.500	1.780	1.176	1.407	5.593	2.000	

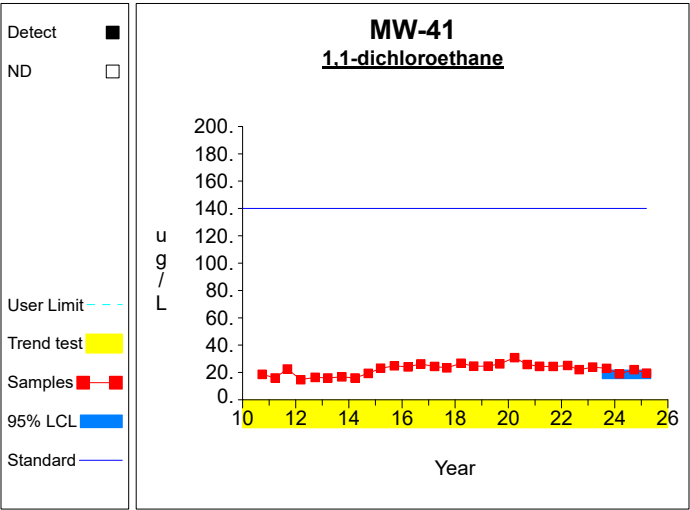
* - Insufficient Data

** - Significant Exceedance

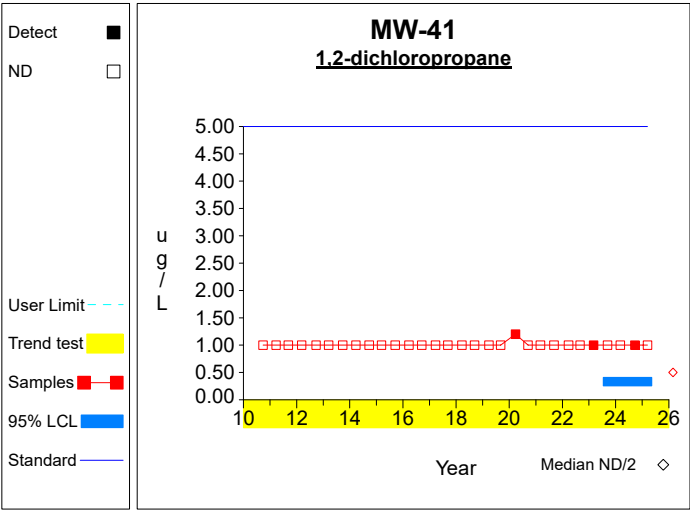
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

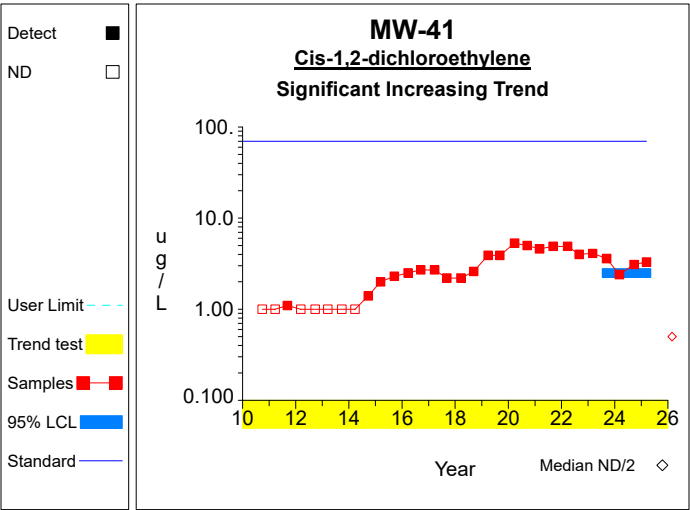
Confidence Limits (Assessment)



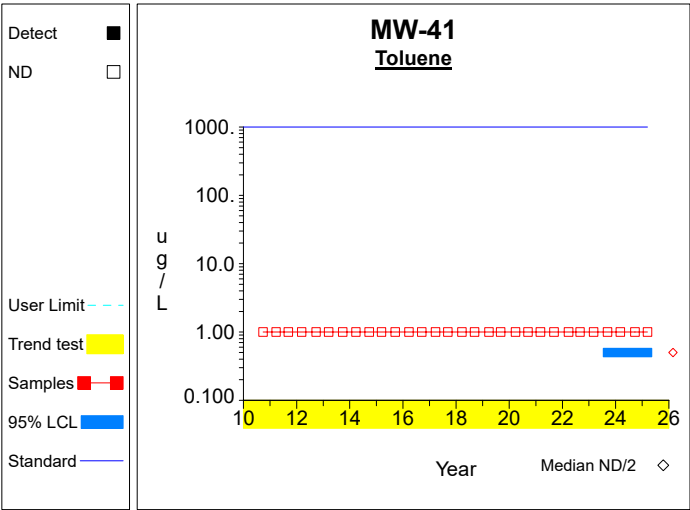
Graph 1



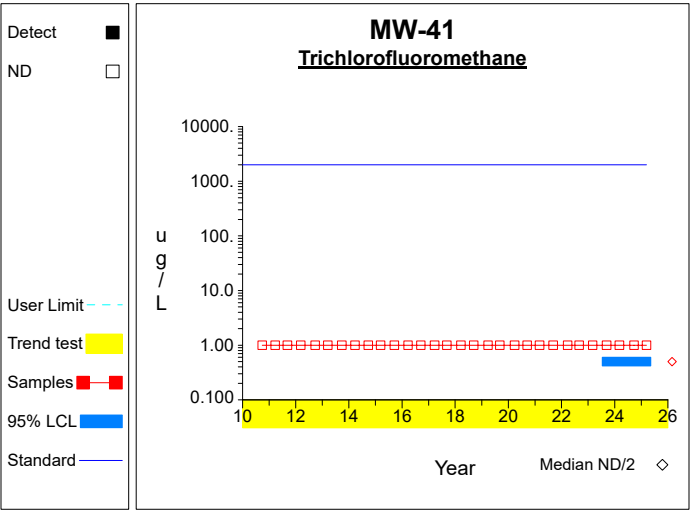
Graph 2



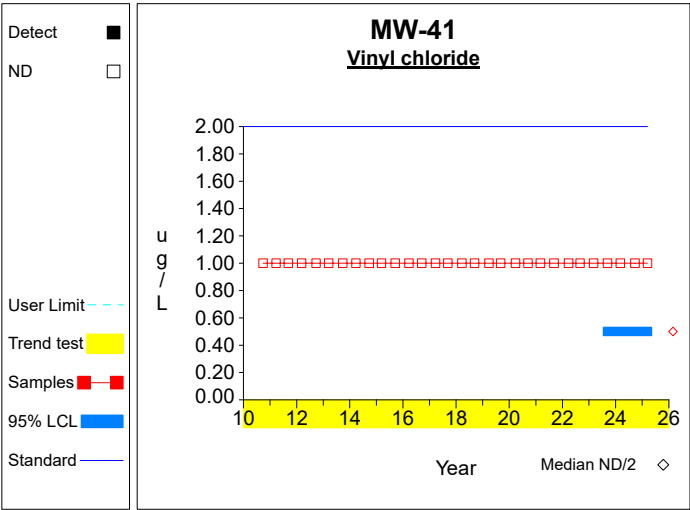
Graph 3



Graph 4

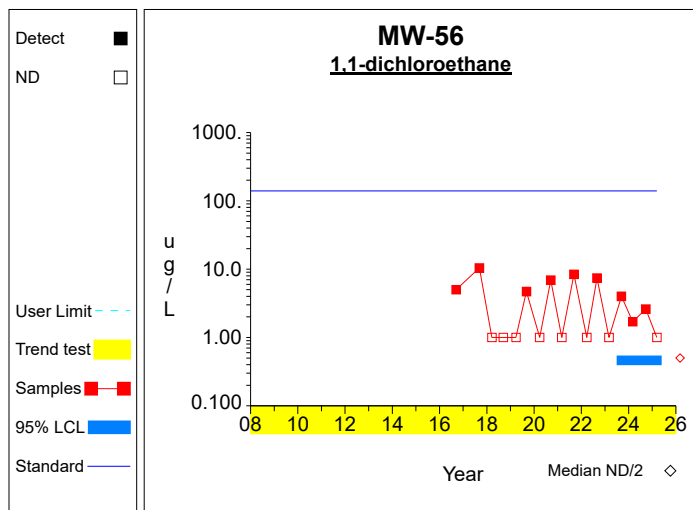


Graph 5

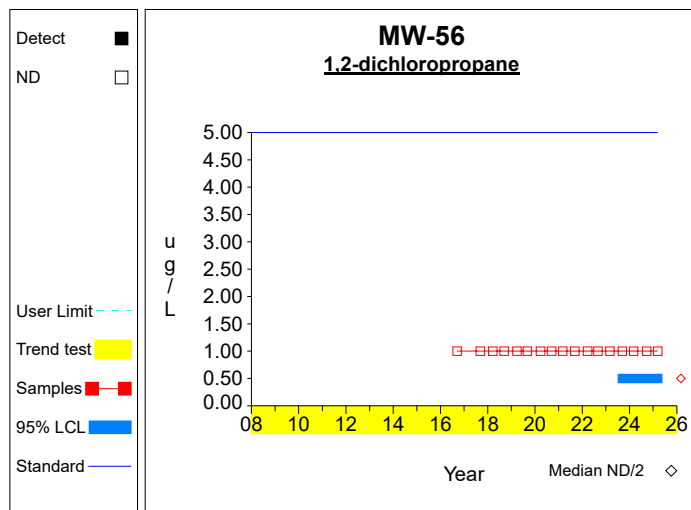


Graph 6

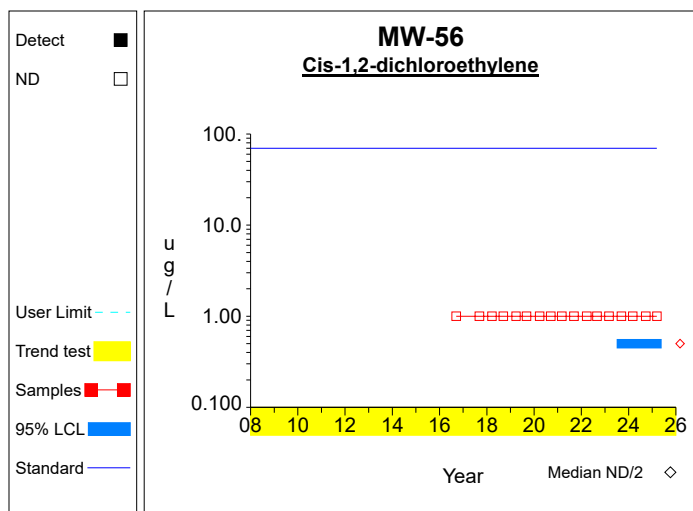
Confidence Limits (Assessment)



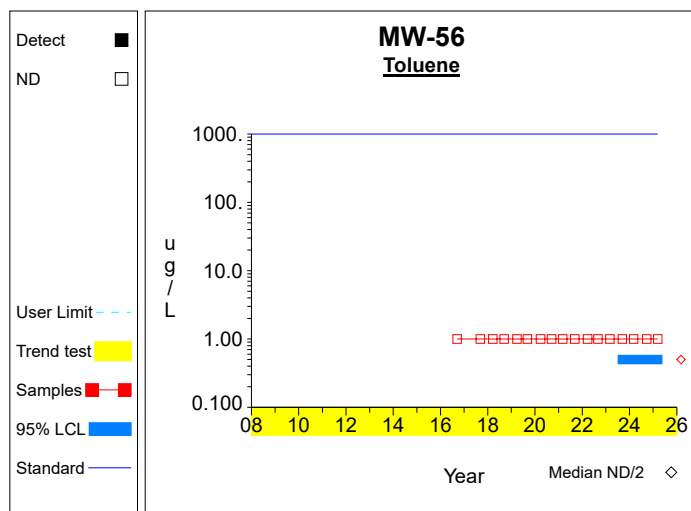
Graph 7



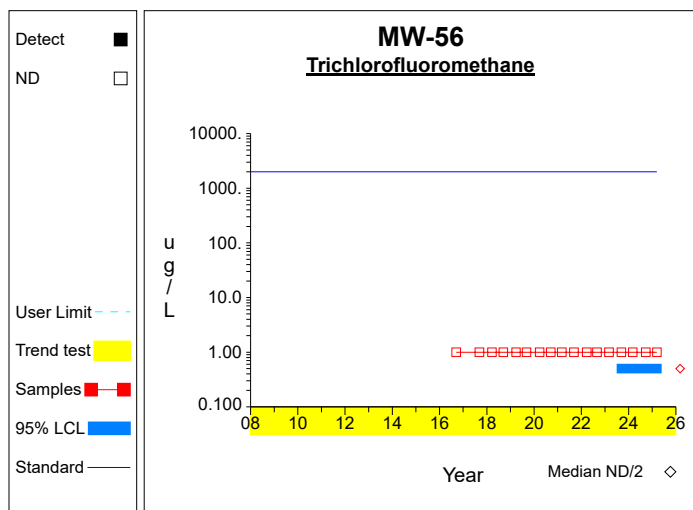
Graph 8



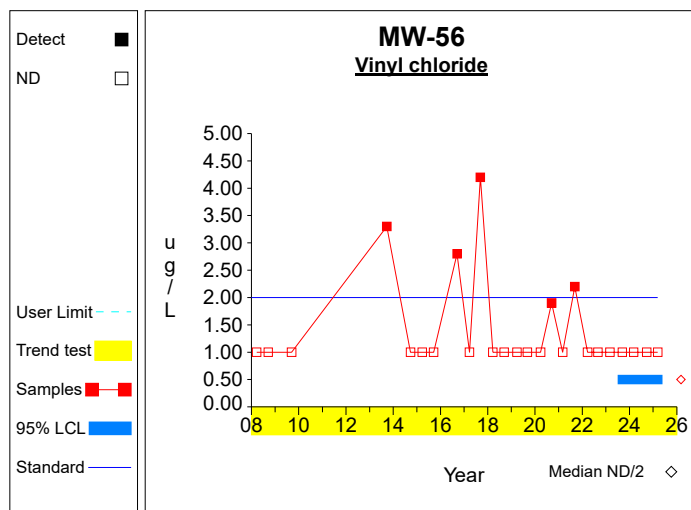
Graph 9



Graph 10



Graph 11



Graph 12

MW-58
1,2-dichloropropane

Legend:

- Detect: ■
- ND: □
- User Limit: ---
- Trend test: ■
- Samples: ■
- 95% LCL: ■
- Standard: —

Y-axis: ug / L (0.00 to 5.00)

X-axis: Year (10 to 26)

Median ND/2: ◇

MW-58
Cis-1,2-dichloroethylene
Significant Decreasing Trend

Legend:
 Detect: ■
 ND: □
 User Limit: ---
 Trend test: ■
 Samples: ■—■
 95% LCL: ■
 Standard: —

Y-axis: ug / L
 X-axis: Year

Year	Concentration (ug/L)	Notes
2010	15	Detect
2011	18	Detect
2012	15	Detect
2013	12	Detect
2014	8	Detect
2015	4	Detect
2016	5	Detect
2017	4	Detect
2018	4	Detect
2019	3	Detect
2020	2.5	Detect
2021	1.5	Detect
2022	1.5	Detect
2023	1.5	Detect
2024	1	Detect
2025	1	Detect
2026	0.5	Detect

MW-58
Toluene

Legend:

- Detect: ■
- ND: □
- User Limit: ---
- Trend test: ■
- Samples: ◆
- 95% LCL: ---
- Standard: ■

Y-axis: ug / L (log scale)

X-axis: Year

Median ND/2: ◆

MW-58
Trichlorofluoromethane

Detect ■
ND □

User Limit ---
Trend test
Samples ■
95% LCL
Standard —

ug / L

Year

Median ND/2 ◇

MW-58
Vinyl chloride

Y-axis: ug / L (0.00 to 2.00)
X-axis: Year (10 to 26)

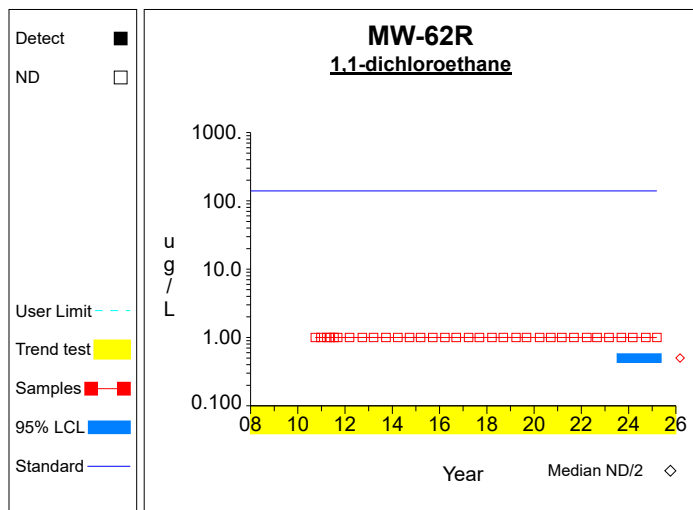
Legend:

- Detect: ■
- ND: □
- User Limit: ---
- Trend test: ■
- Samples: ■
- 95% LCL: ■
- Standard: —
- Median ND/2: ◇

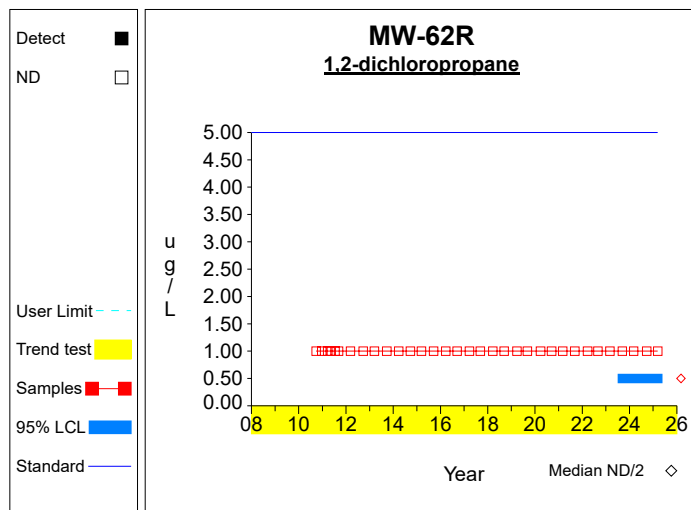
Year	Concentration (ug/L)	Type
10	1.00	Sample
11	1.00	Sample
12	1.00	Sample
13	1.00	Sample
14	1.00	Sample
15	1.00	Sample
16	1.00	Sample
17	1.00	Sample
18	1.00	Sample
19	1.00	Sample
20	1.00	Sample
21	1.00	Sample
22	1.00	Sample
23	1.00	Sample
24	1.00	Sample
25	1.00	Sample
26	0.50	Sample

Prepared by: Otter Creek Environmental

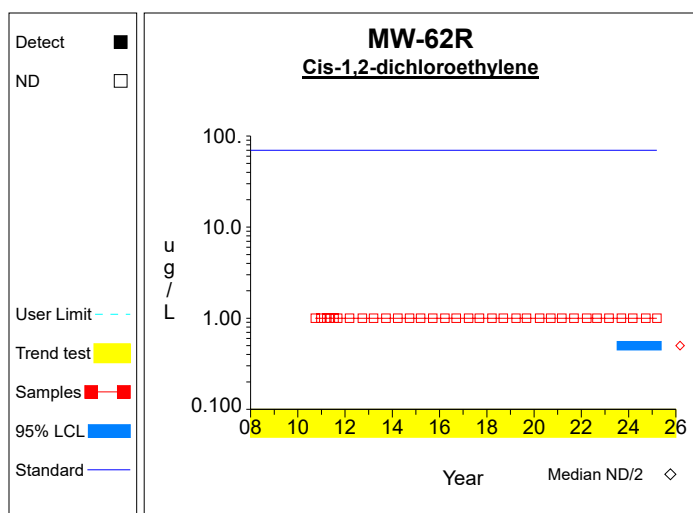
Confidence Limits (Assessment)



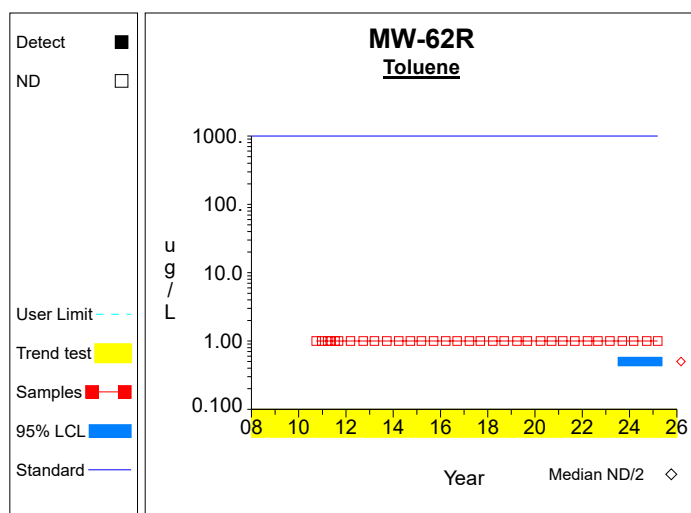
Graph 19



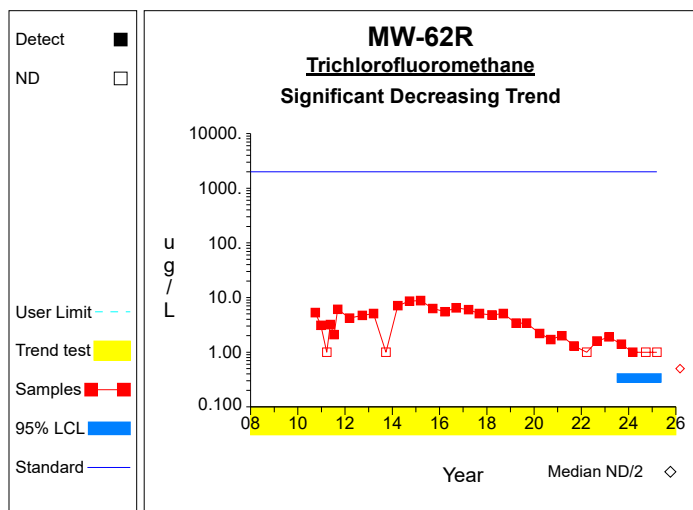
Graph 20



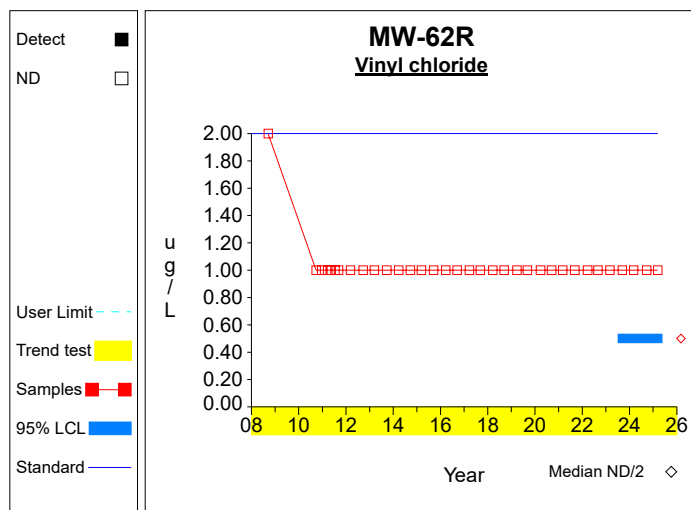
Graph 21



Graph 22

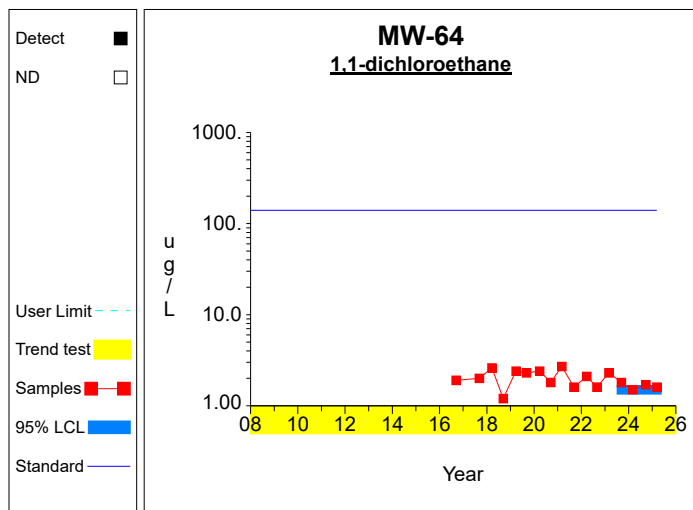


Graph 23

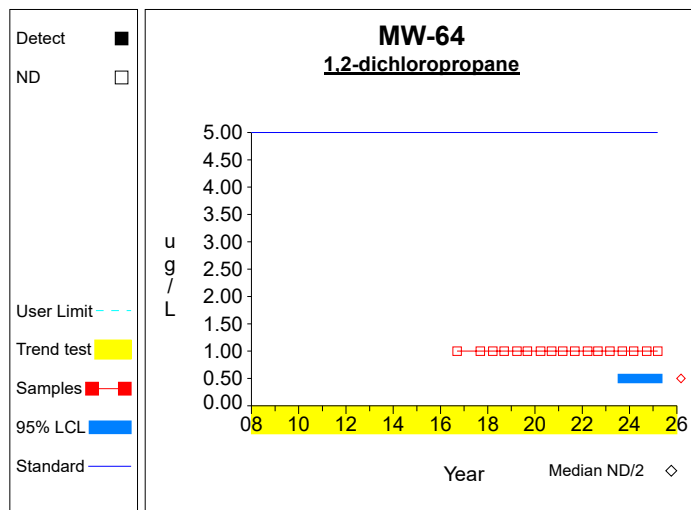


Graph 24

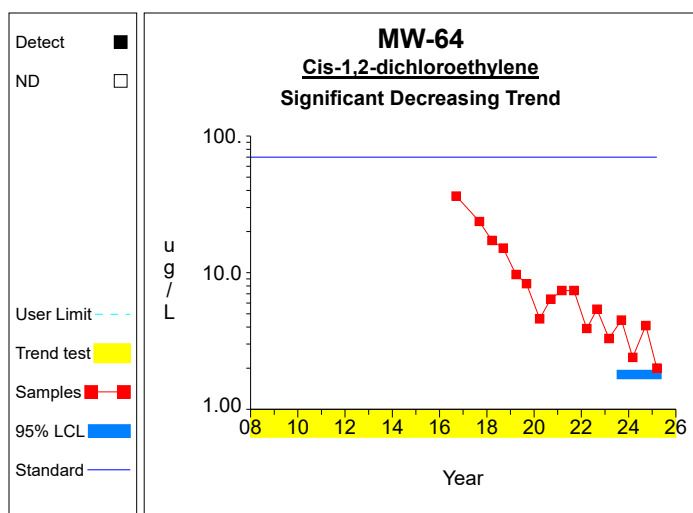
Confidence Limits (Assessment)



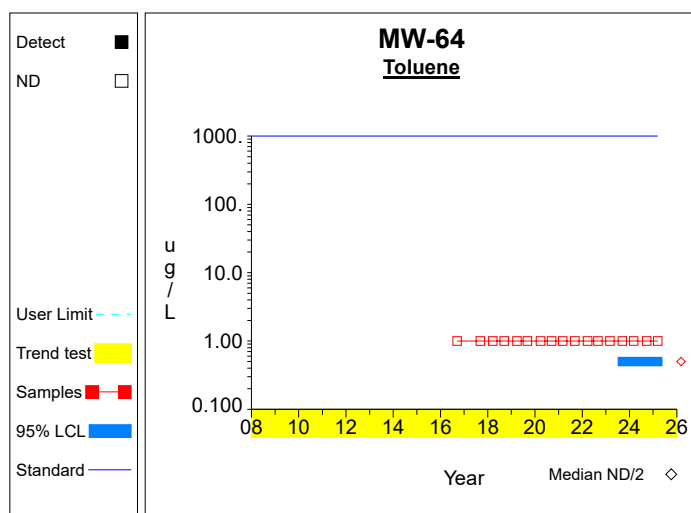
Graph 25



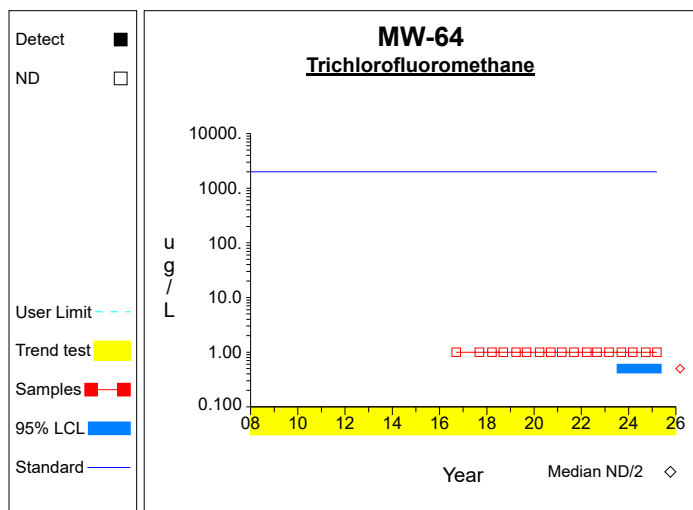
Graph 26



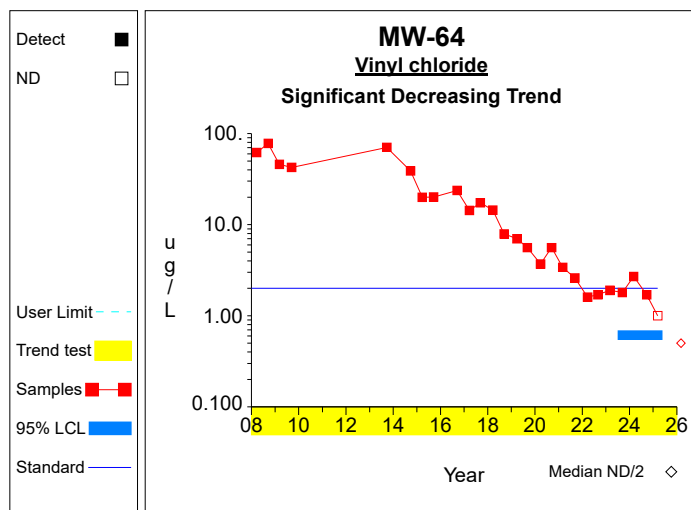
Graph 27



Graph 28

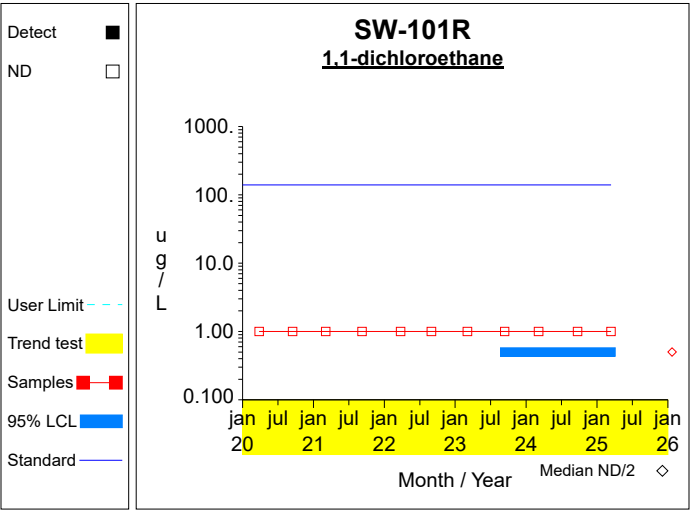


Graph 29

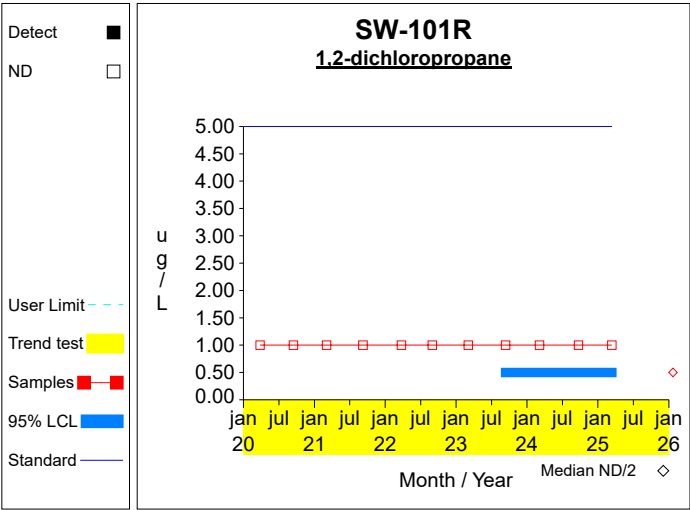


Graph 30

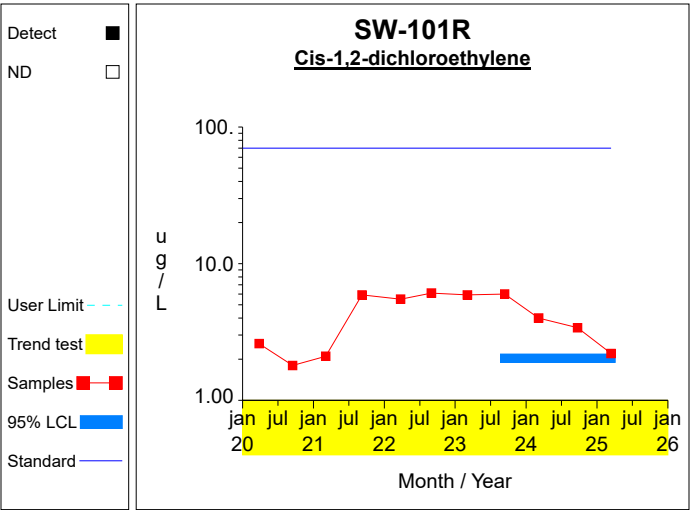
Confidence Limits (Assessment)



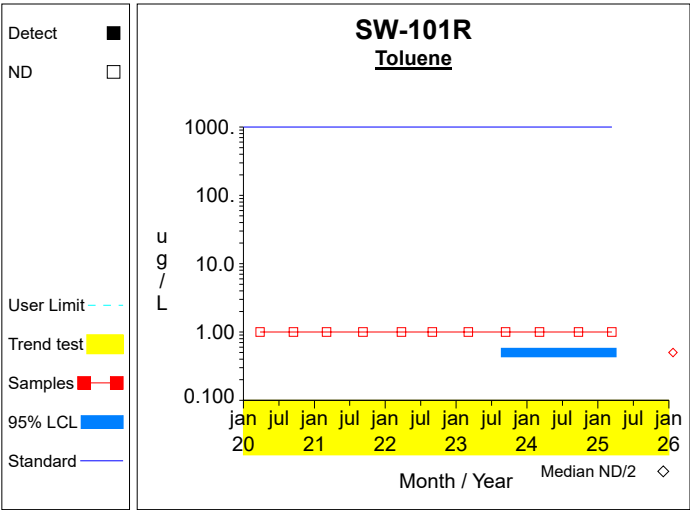
Graph 31



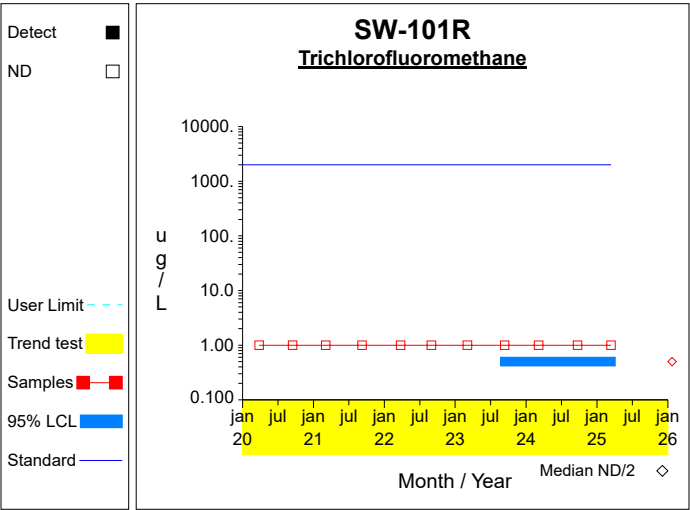
Graph 32



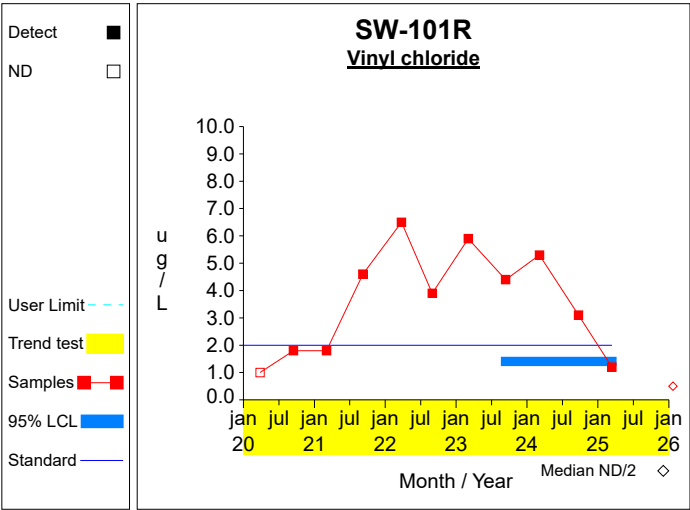
Graph 33



Graph 34



Graph 35



Graph 36

APPENDIX B.2 –
Fall Statistical Evaluation

GROUND WATER STATISTICS
FOR THE
NEWTON SANITARY LANDFILL

Second Semi-Annual Monitoring Event in 2025

Prepared for:
City of Newton Sanitary Landfill
3202 Ia-14
Newton, Jasper County, IA

Prepared by:
Jeffrey A. Holmgren
Otter Creek Environmental Services, LLC
Elgin, IL
(847) 464-1355

September 2025

INTRODUCTION

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

Ground Water Monitoring Program

The groundwater monitoring network for Newton Sanitary Landfill includes GWD-1, MW-36, MW-39, MW-41, MW-42, MW-48, MW-58, MW-59, MW-60, MW-61, MW-62R, MW-78, MW-79, and MW-80. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

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

Organic Compounds:

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

Inorganic constituents:

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

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

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. The interwell method was applied to the Newton Landfill data using the DUMPStat® statistical program. Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

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

Results of the Interwell Statistics

The prior background data used in the statistical analysis included the ground water data collected from ground water wells MW-62R and MW-78. Since there were verified detections of trichlorofluoromethane at MW-62R, it was recommended that MW-62R not be used as a background well. In its' place, MW-48 and MW-39 were added as background points. Additionally, SW-101 was approved as a background point. The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-39, MW-48, MW-78, and SW-101 during the period from September 2014 through the current data. A summary of the background data from monitoring wells MW-39, MW-48, MW-78, and SW-101 used to determine the site prediction limits are listed in Attachment B, Table 1 "Upgradient Data". This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 "Most Current Downgradient Monitoring Data", summarizes the current data from downgradient wells MW-36, MW-41, MW-42, MW-58, MW-59, MW-60, MW-61, MW-62R, MW-79, MW-80, and SW-101R compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the most current data, the current site prediction limit exceedances are summarized in the table below.

Trace Metal Prediction Limit Exceedances during the Second Semi-Annual Monitoring Event in 2025

Well	Trace Metal Detected	Result, µg/L	Prediction Limit, µg/L	Prediction Limit Type	Verified/ Awaiting verification	Ground Water Standard, µg/L
MW-58	Nickel	13.1	8.7000	Nonparametric	Verified	100 ^a
MW-60	Nickel	15.2	8.7000	Nonparametric	Awaiting verification	100 ^a
MW-61	Copper	6.5	4.0000	Nonparametric	Awaiting verification	1300 ^b
MW-62R	Barium	1130	357.0000	Nonparametric	Verified	2000 ^a
SW-102	Copper	7.8	4.0000	Nonparametric	Awaiting verification	1300 ^b

a – USEPA MCL

b – Iowa Statewide Standard

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. With the exception of barium, these constituents are rarely detected in the upgradient wells. With the detection frequencies being less than 50% for all but barium, nonparametric site prediction limits are used for those trace metals.

Table 4 summarizes the results of the Shapiro-Wilk test. The background barium data are normally distributed so barium uses a normal site prediction limit. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

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

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

The 95% LCLs calculated for the metals which exceeded site prediction limits are below the respective GWPS (Attachment C).

Results of the Interwell Statistics – Old Landfill

The current ground water data from monitoring wells MW-44, MW-56, MW-57, MW-64, and MW-65 were compared to site prediction limits established from monitoring wells MW-39, MW-48, MW-78, and

SW-101. A summary of the background data from monitoring wells MW-39, MW-48, MW-78, and SW-101 used to determine the site prediction limits are listed in Attachment D, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient wells MW-44, MW-56, MW-57, MW-64, and MW-65 compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the most current data, the current site prediction limit exceedances are summarized in the table below.

Trace Metal Prediction Limit Exceedances during the Second Semi-Annual Monitoring Event in 2025

Well	Trace Metal Detected	Result, µg/L	Prediction Limit, µg/L	Prediction Limit Type	Verified/ Awaiting verification	Ground Water Standard, µg/L
MW-44	Cobalt	8.9	6.9000	Nonparametric	Verified	2.1 ^b
	Copper	9.9	4.0000	Nonparametric	Awaiting verification	1300 ^b
	Nickel	12.0	8.7000	Nonparametric	Verified	100 ^a
MW-56	Antimony	2.2	2.0000	Nonparametric	Awaiting verification	6 ^a
MW-64	Arsenic	23.5	7.3000	Nonparametric	Verified	10 ^a
	Cobalt	15.9	6.9000	Nonparametric	Verified	2.1 ^b
	Nickel	40.3	8.7000	Nonparametric	Verified	100 ^a
MW-65	Arsenic	13.2	7.3000	Nonparametric	Awaiting verification	100 ^a
	Cadmium	0.8	0.8000	Nonparametric	Awaiting verification	5 ^a
	Cobalt	15.6	6.9000	Nonparametric	Awaiting verification	2.1 ^b
	Copper	8.1	4.0000	Nonparametric	Awaiting verification	1300 ^b
	Nickel	40.6	8.7000	Nonparametric	Verified	100 ^a
	Zinc	56.8	32.3000	Nonparametric	Awaiting verification	2000 ^b

a – USEPA MCL

b – Iowa Statewide Standard

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. With the exception of barium, these constituents are rarely detected in the upgradient wells. With the detection frequencies being less than 50% for all but barium, nonparametric site prediction limits are used for those trace metals.

Table 4 summarizes the results of the Shapiro-Wilk test. The background barium data are normally distributed so barium uses a normal site prediction limit. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of

constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 1% and the test becomes sensitive to 3 standard deviation unit increases over background.

The past and present verified trace metal exceedances were evaluated against the ground water protection standards (GWPS) using confidence limits.

The 95% LCL for cobalt at MW-44 (9.020 µg/L) exceeds the GWPS of 2.1 µg/L.

The 95% LCL for arsenic at MW-64 (23.439 µg/L) exceeds the GWPS of 10 µg/L.

The 95% LCL for cobalt at MW-64 (10.442 µg/L) exceeds the GWPS of 2.1 µg/L.

The 95% LCLs calculated for the remainder of the metals which exceeded site prediction limits are below the respective GWPS.

Volatile Organic Compounds

Volatile Organic Compounds (VOCs) are generally man-made compounds not present in ambient ground water. If VOCs are detected above their statistical limit (i.e., the laboratory PQL or reporting limit), a verification resample will be conducted at the next scheduled sampling event. A statistical exceedance will be indicated if the VOC detection is confirmed by the subsequent monitoring. VOCs detected in the ground water at Newton Landfill during the second semi-annual monitoring event in 2025 are summarized below. Historical VOC detections are summarized in Attachment E.

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

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting Verification	Ground Water Standard
MW-41	1,1-Dichloroethane	21.0	1	Verified	140 ^b
	1,2-Dichloropropane	1.2	1	Awaiting verification	5 ^a
	<i>cis</i> -1,2-Dichloroethene	4.4	1	Verified	70 ^a
MW-48	Carbon disulfide	1.6	1	Awaiting verification	700 ^b
SW-101R	<i>cis</i> -1,2-Dichloroethene	3.0	1	Verified	70 ^a
	Vinyl chloride	3.3	1	Verified	2 ^a

a - USEPA MCL, b – Iowa Statewide Standard

VOCs detected during the Second Semi-Annual Monitoring Event in 2025 – Old Landfill

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting Verification	Ground Water Standard
MW-44	Carbon disulfide	1.6	1	Awaiting verification	700 ^b
MW-64	1,1-Dichloroethane	1.8	1	Verified	140 ^b
	Carbon disulfide	2.9	1	Awaiting verification	700 ^b
	<i>cis</i> -1,2-Dichloroethene	3.2	1	Verified	70 ^a
	Vinyl chloride	1.4	1	Awaiting verification	2 ^a

a - USEPA MCL, b – Iowa Statewide Standard

Carbon disulfide detections at MW-48, MW-44, and MW-64 are likely artifacts of the sampling or analysis. 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 95% LCLs calculated for the verified VOCs are below the respective GWPS

CONCLUSIONS

This report summarizes the statistical analyses used to evaluate the ground water data obtained during the second semi-annual monitoring event in 2025 at Newton Sanitary Landfill. The ground water data was compared to background using prediction limits. There are verified site prediction limit exceedances for nickel at MW-58; barium at MW-62R; cobalt and nickel at MW-44; arsenic, cobalt, and nickel at MW-64; and nickel at MW-65.

The VOC data obtained during the second semi-annual monitoring event in 2025 were compared to MCLs or PQLs. There were verified detections of 1,1-dichloroethane and *cis*-1,2-dichloroethene at MW-41; *cis*-1,2-dichloroethene and vinyl chloride at SW-101R; and 1,1-dichloroethane and *cis*-1,2-dichloroethene at MW-64.

Attachment A

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

Table 1

Analytical Data Summary for 9/3/2025

Constituents	Units	MW-36	MW-39	MW-41	MW-42	MW-44	MW-48	MW-56	MW-57	MW-58	MW-59	MW-60
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1.0	<1.0	21.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.2	<1.0	<1.0	<1.0	<1.0
Arsenic, total	ug/L	<2.0	<2.0	<2.0	<2.0	5.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Barium, total	ug/L	153.0	131.0	80.4	25.6	152.0	168.0	46.0	343.0	25.5	46.1	326.0
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	.2	<2	.2
Carbon disulfide	ug/L	<1.0	<1.0	<1.0	<1.0	1.6	1.6	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<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
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	1.0	<1.0	1.0	1.1	1.2	<1.0	<1.0	1.0	1.2	1.1	1.2
Cis-1,2-dichloroethylene	ug/L	<1.0	<1.0	4.4	<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
Cobalt, total	ug/L	<5	<5	<5	<5	8.9	<5	3.3	.5	<5	<5	<5
Copper, total	ug/L	<5.0	<5.0	<5.0	<5.0	9.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<5.0	<5.0	<5.0	<5.0	12.0	<5.0	6.8	<5.0	13.1	<5.0	15.2
Selenium, total	ug/L	<2.0	<2.0	2.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Silver, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	11.4	<5.0	9.8	12.7	25.1	9.6	13.3	14.8	8.0	6.1	13.4

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

Table 1

Analytical Data Summary for 9/3/2025

Constituents	MW-61	MW-62R	MW-64	MW-65	MW-78	MW-79	MW-80	PECS-1	SW-101R	SW-102	SW-103
1,1,1,2-tetrachloroethane	<1	<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
1,1,2,2-tetrachloroethane	<1	<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
1,1-dichloroethane	<1.0	<1.0	1.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<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	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0
Arsenic, total	<2.0	<2.0	23.5	13.2	<2.0	<2.0	<2.0		4.0	2.1	2.2
Barium, total	61.1	1130.0	48.1	77.3	301.0	54.9	120.0		228.0	176.0	176.0
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<.5	<.5	<.5	<.5	<.5	<.5	<.5		<.5	<.5	<.5
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.2	<.2	<.2	.8	<.2	<.2	<.2		<.2	<.2	<.2
Carbon disulfide	<1.0	<1.0	2.9	<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	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	1.3	1.2	1.2	1.7	<1.0	<1.0	<1.0		<1.0	<1.0	1.9
Cis-1,2-dichloroethylene	<1.0	<1.0	3.2	<1.0	<1.0	<1.0	<1.0	<1.0	3.0	<1.0	<1.0
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.5	<.5	15.9	15.6	<.5	<.5	.6		4.2	.5	1.3
Copper, total	6.5	<5.0	<5.0	8.1	<5.0	<5.0	<5.0		<5.0	7.8	<5.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	2.2
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	5.8	<5.0	40.3	40.6	<5.0	<5.0	<5.0		6.3	6.2	<5.0
Selenium, total	<2.0	<2.0	2.1	<2.0	6.0	<2.0	<2.0		<2.0	<2.0	<2.0
Silver, total	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<.5	<.5	<.5	<.5	<.5	<.5	<.5		<.5	<.5	<.5
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<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	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<2.0	<2.0	<2.0	2.1	<2.0	<2.0	<2.0		<2.0	<2.0	3.3
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	3.3	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	8.2	13.1	27.2	56.8	6.4	12.2	6.0		<5.0	7.3	19.9

* - 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-39	09/24/2014	ND	2.0000		
Antimony, total	ug/L	MW-39	12/05/2014	ND	2.0000		
Antimony, total	ug/L	MW-39	03/11/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	06/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	09/17/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	03/22/2016	ND	2.0000		
Antimony, total	ug/L	MW-39	09/15/2016	ND	2.0000		
Antimony, total	ug/L	MW-39	03/23/2017	ND	2.0000		
Antimony, total	ug/L	MW-39	09/08/2017	ND	2.0000		
Antimony, total	ug/L	MW-39	03/19/2018	ND	2.0000		
Antimony, total	ug/L	MW-39	09/11/2018	ND	2.0000		
Antimony, total	ug/L	MW-39	03/26/2019	ND	2.0000		
Antimony, total	ug/L	MW-39	09/04/2019	ND	2.0000		
Antimony, total	ug/L	MW-39	03/26/2020	ND	2.0000		
Antimony, total	ug/L	MW-39	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-39	03/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-39	09/07/2021	ND	2.0000		
Antimony, total	ug/L	MW-39	03/24/2022	ND	2.0000		
Antimony, total	ug/L	MW-39	08/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-39	03/02/2023	ND	2.0000		
Antimony, total	ug/L	MW-39	09/12/2023	ND	2.0000		
Antimony, total	ug/L	MW-39	03/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-39	09/23/2024	ND	2.0000		
Antimony, total	ug/L	MW-39	03/12/2025	ND	2.0000		
Antimony, total	ug/L	MW-39	09/03/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-48	09/24/2014	ND	2.0000		
Antimony, total	ug/L	MW-48	12/05/2014	ND	2.0000		
Antimony, total	ug/L	MW-48	03/11/2015	ND	2.0000		
Antimony, total	ug/L	MW-48	06/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-48	09/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-48	03/22/2016	ND	2.0000		
Antimony, total	ug/L	MW-48	09/14/2016	ND	2.0000		
Antimony, total	ug/L	MW-48	03/23/2017	ND	2.0000		
Antimony, total	ug/L	MW-48	09/08/2017	ND	2.0000		
Antimony, total	ug/L	MW-48	03/19/2018	ND	2.0000		
Antimony, total	ug/L	MW-48	09/11/2018	ND	2.0000		
Antimony, total	ug/L	MW-48	03/26/2019	ND	2.0000		
Antimony, total	ug/L	MW-48	09/04/2019	ND	2.0000		
Antimony, total	ug/L	MW-48	03/26/2020	ND	2.0000		
Antimony, total	ug/L	MW-48	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-48	03/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-48	09/07/2021	ND	2.0000		
Antimony, total	ug/L	MW-48	03/24/2022	ND	2.0000		
Antimony, total	ug/L	MW-48	08/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-48	03/02/2023	ND	2.0000		
Antimony, total	ug/L	MW-48	09/12/2023	ND	2.0000		
Antimony, total	ug/L	MW-48	03/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-48	09/23/2024	ND	2.0000		
Antimony, total	ug/L	MW-48	03/12/2025	ND	2.0000		
Antimony, total	ug/L	MW-48	09/03/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-78	09/24/2014	ND	2.0000		
Antimony, total	ug/L	MW-78	12/05/2014	ND	2.0000		
Antimony, total	ug/L	MW-78	03/11/2015	ND	2.0000		
Antimony, total	ug/L	MW-78	06/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-78	09/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-78	03/22/2016	ND	2.0000		
Antimony, total	ug/L	MW-78	09/15/2016	ND	2.0000		
Antimony, total	ug/L	MW-78	03/23/2017	ND	2.0000		
Antimony, total	ug/L	MW-78	09/08/2017	ND	2.0000		
Antimony, total	ug/L	MW-78	03/19/2018	ND	2.0000		
Antimony, total	ug/L	MW-78	09/11/2018	ND	2.0000		
Antimony, total	ug/L	MW-78	03/26/2019	ND	2.0000		
Antimony, total	ug/L	MW-78	09/04/2019	ND	2.0000		
Antimony, total	ug/L	MW-78	03/26/2020	ND	2.0000		
Antimony, total	ug/L	MW-78	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-78	03/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-78	09/07/2021	ND	2.0000		
Antimony, total	ug/L	MW-78	03/24/2022	ND	2.0000		
Antimony, total	ug/L	MW-78	08/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-78	03/02/2023	ND	2.0000		
Antimony, total	ug/L	MW-78	09/12/2023	ND	2.0000		
Antimony, total	ug/L	MW-78	03/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-78	09/23/2024	ND	2.0000		
Antimony, total	ug/L	MW-78	03/12/2025	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	
Antimony, total	ug/L	MW-78	09/03/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	SW-101	09/14/2016	ND	2.0000		
Antimony, total	ug/L	SW-101	03/23/2017	ND	2.0000		
Antimony, total	ug/L	SW-101	09/08/2017	ND	2.0000		
Antimony, total	ug/L	SW-101	03/19/2018	ND	2.0000		
Antimony, total	ug/L	SW-101	09/11/2018	ND	2.0000		
Antimony, total	ug/L	SW-101	03/26/2019	ND	2.0000		
Antimony, total	ug/L	SW-101	09/04/2019	ND	2.0000		
Arsenic, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Arsenic, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Arsenic, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/03/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Arsenic, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Arsenic, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Arsenic, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/03/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Arsenic, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Arsenic, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/02/2021	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Arsenic, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/03/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Arsenic, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Arsenic, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Arsenic, total	ug/L	SW-101	03/19/2018		4.4000		
Arsenic, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Arsenic, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Arsenic, total	ug/L	SW-101	09/04/2019		7.3000		
Barium, total	ug/L	MW-39	09/24/2014		60.6000		
Barium, total	ug/L	MW-39	12/05/2014		139.0000		
Barium, total	ug/L	MW-39	03/11/2015		136.0000		
Barium, total	ug/L	MW-39	06/16/2015		148.0000		
Barium, total	ug/L	MW-39	09/17/2015		128.0000		
Barium, total	ug/L	MW-39	03/22/2016		123.0000		
Barium, total	ug/L	MW-39	09/15/2016		103.0000		
Barium, total	ug/L	MW-39	03/23/2017		129.0000		
Barium, total	ug/L	MW-39	09/08/2017		117.0000		
Barium, total	ug/L	MW-39	03/19/2018		131.0000		
Barium, total	ug/L	MW-39	09/11/2018		114.0000		
Barium, total	ug/L	MW-39	03/26/2019		121.0000		
Barium, total	ug/L	MW-39	09/04/2019		138.0000		
Barium, total	ug/L	MW-39	03/26/2020		150.0000		
Barium, total	ug/L	MW-39	09/15/2020		136.0000		
Barium, total	ug/L	MW-39	03/02/2021		125.0000		
Barium, total	ug/L	MW-39	09/07/2021		141.0000		
Barium, total	ug/L	MW-39	03/24/2022		137.0000		
Barium, total	ug/L	MW-39	08/31/2022		132.0000		
Barium, total	ug/L	MW-39	03/02/2023		134.0000		
Barium, total	ug/L	MW-39	09/12/2023		133.0000		
Barium, total	ug/L	MW-39	03/04/2024		128.0000		
Barium, total	ug/L	MW-39	09/23/2024		119.0000		
Barium, total	ug/L	MW-39	03/12/2025		135.0000		
Barium, total	ug/L	MW-39	09/03/2025		131.0000		
Barium, total	ug/L	MW-48	09/24/2014		181.0000		
Barium, total	ug/L	MW-48	12/05/2014		168.0000		
Barium, total	ug/L	MW-48	03/11/2015		143.0000		
Barium, total	ug/L	MW-48	06/16/2015		161.0000		
Barium, total	ug/L	MW-48	09/16/2015		150.0000		
Barium, total	ug/L	MW-48	03/22/2016		153.0000		
Barium, total	ug/L	MW-48	09/14/2016		140.0000		
Barium, total	ug/L	MW-48	03/23/2017		146.0000		
Barium, total	ug/L	MW-48	09/08/2017		171.0000		
Barium, total	ug/L	MW-48	03/19/2018		145.0000		
Barium, total	ug/L	MW-48	09/11/2018		151.0000		
Barium, total	ug/L	MW-48	03/26/2019		153.0000		
Barium, total	ug/L	MW-48	09/04/2019		160.0000		
Barium, total	ug/L	MW-48	03/26/2020		156.0000		
Barium, total	ug/L	MW-48	09/15/2020		152.0000		
Barium, total	ug/L	MW-48	03/02/2021		159.0000		
Barium, total	ug/L	MW-48	09/07/2021		149.0000		
Barium, total	ug/L	MW-48	03/24/2022		143.0000		
Barium, total	ug/L	MW-48	08/31/2022		157.0000		
Barium, total	ug/L	MW-48	03/02/2023		149.0000		
Barium, total	ug/L	MW-48	09/12/2023		168.0000		
Barium, total	ug/L	MW-48	03/04/2024		149.0000		
Barium, total	ug/L	MW-48	09/23/2024		148.0000		
Barium, total	ug/L	MW-48	03/12/2025		153.0000		
Barium, total	ug/L	MW-48	09/03/2025		168.0000		
Barium, total	ug/L	MW-78	09/24/2014		304.0000		
Barium, total	ug/L	MW-78	12/05/2014		291.0000		
Barium, total	ug/L	MW-78	03/11/2015		304.0000		
Barium, total	ug/L	MW-78	06/16/2015		329.0000		
Barium, total	ug/L	MW-78	09/16/2015		298.0000		
Barium, total	ug/L	MW-78	03/22/2016		309.0000		
Barium, total	ug/L	MW-78	09/15/2016		311.0000		
Barium, total	ug/L	MW-78	03/23/2017		307.0000		

* - 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-78	09/08/2017		357.0000		
Barium, total	ug/L	MW-78	03/19/2018		320.0000		
Barium, total	ug/L	MW-78	09/11/2018		295.0000		
Barium, total	ug/L	MW-78	03/26/2019		285.0000		
Barium, total	ug/L	MW-78	09/04/2019		332.0000		
Barium, total	ug/L	MW-78	03/26/2020		304.0000		
Barium, total	ug/L	MW-78	09/15/2020		319.0000		
Barium, total	ug/L	MW-78	03/02/2021		304.0000		
Barium, total	ug/L	MW-78	09/07/2021		332.0000		
Barium, total	ug/L	MW-78	03/24/2022		291.0000		
Barium, total	ug/L	MW-78	08/31/2022		340.0000		
Barium, total	ug/L	MW-78	03/02/2023		345.0000		
Barium, total	ug/L	MW-78	09/12/2023		309.0000		
Barium, total	ug/L	MW-78	03/04/2024		341.0000		
Barium, total	ug/L	MW-78	09/23/2024		284.0000		
Barium, total	ug/L	MW-78	03/12/2025		283.0000		
Barium, total	ug/L	MW-78	09/03/2025		301.0000		
Barium, total	ug/L	SW-101	09/14/2016		188.0000		
Barium, total	ug/L	SW-101	03/23/2017		233.0000		
Barium, total	ug/L	SW-101	09/08/2017		272.0000		
Barium, total	ug/L	SW-101	03/19/2018		162.0000		
Barium, total	ug/L	SW-101	09/11/2018		127.0000		
Barium, total	ug/L	SW-101	03/26/2019		160.0000		
Barium, total	ug/L	SW-101	09/04/2019		256.0000		
Beryllium, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Beryllium, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Beryllium, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/03/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Beryllium, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Beryllium, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Beryllium, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/03/2025	ND	0.5000		*

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Beryllium, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Beryllium, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Beryllium, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/03/2025	ND	0.5000		*
Beryllium, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Beryllium, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Beryllium, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Beryllium, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Beryllium, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Beryllium, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Beryllium, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Cadmium, total	ug/L	MW-39	09/24/2014	ND	0.8000		
Cadmium, total	ug/L	MW-39	12/05/2014	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/11/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	06/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/17/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/22/2016	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/15/2016	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/23/2017	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/08/2017	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/19/2018	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/11/2018	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/26/2019	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/04/2019	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/26/2020	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/02/2021	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/07/2021	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/24/2022	ND	0.8000		
Cadmium, total	ug/L	MW-39	08/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/02/2023	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/12/2023	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/23/2024	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/12/2025	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/03/2025	ND	0.2000		*
Cadmium, total	ug/L	MW-48	09/24/2014	ND	0.8000		
Cadmium, total	ug/L	MW-48	12/05/2014	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/11/2015	ND	0.8000		
Cadmium, total	ug/L	MW-48	06/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/22/2016	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/14/2016	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/23/2017	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/08/2017	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/19/2018	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/11/2018	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/26/2019	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/04/2019	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/26/2020	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/02/2021	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/07/2021	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, total	ug/L	MW-48	03/24/2022	ND	0.8000		
Cadmium, total	ug/L	MW-48	08/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/02/2023	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/12/2023	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/23/2024	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/12/2025	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/03/2025	ND	0.2000		*
Cadmium, total	ug/L	MW-78	09/24/2014	ND	0.8000		
Cadmium, total	ug/L	MW-78	12/05/2014	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/11/2015	ND	0.8000		
Cadmium, total	ug/L	MW-78	06/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/22/2016	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/15/2016	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/23/2017	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/08/2017	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/19/2018	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/11/2018	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/26/2019	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/04/2019	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/26/2020	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/02/2021	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/07/2021	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/24/2022	ND	0.8000		
Cadmium, total	ug/L	MW-78	08/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/02/2023	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/12/2023	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/23/2024	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/12/2025	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/03/2025	ND	0.2000		*
Cadmium, total	ug/L	SW-101	09/14/2016	ND	0.8000		
Cadmium, total	ug/L	SW-101	03/23/2017	ND	0.8000		
Cadmium, total	ug/L	SW-101	09/08/2017	ND	0.8000		
Cadmium, total	ug/L	SW-101	03/19/2018	ND	0.8000		
Cadmium, total	ug/L	SW-101	09/11/2018	ND	0.8000		
Cadmium, total	ug/L	SW-101	03/26/2019	ND	0.8000		
Cadmium, total	ug/L	SW-101	09/04/2019	ND	0.8000		
Chromium, total	ug/L	MW-39	09/24/2014	ND	8.0000		
Chromium, total	ug/L	MW-39	12/05/2014	ND	8.0000		
Chromium, total	ug/L	MW-39	03/11/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	06/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	09/17/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	03/22/2016	ND	8.0000		
Chromium, total	ug/L	MW-39	09/15/2016	ND	8.0000		
Chromium, total	ug/L	MW-39	03/23/2017	ND	8.0000		
Chromium, total	ug/L	MW-39	09/08/2017	ND	8.0000		
Chromium, total	ug/L	MW-39	03/19/2018	ND	8.0000		
Chromium, total	ug/L	MW-39	09/11/2018	ND	8.0000		
Chromium, total	ug/L	MW-39	03/26/2019	ND	8.0000		
Chromium, total	ug/L	MW-39	09/04/2019	ND	8.0000		
Chromium, total	ug/L	MW-39	03/26/2020	ND	8.0000		
Chromium, total	ug/L	MW-39	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-39	03/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-39	09/07/2021	ND	8.0000		
Chromium, total	ug/L	MW-39	03/24/2022	ND	8.0000		
Chromium, total	ug/L	MW-39	08/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-39	03/02/2023	ND	8.0000		
Chromium, total	ug/L	MW-39	09/12/2023	ND	8.0000		
Chromium, total	ug/L	MW-39	03/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-39	09/23/2024	ND	8.0000		
Chromium, total	ug/L	MW-39	03/12/2025	ND	8.0000		
Chromium, total	ug/L	MW-39	09/03/2025	ND	1.0000		*
Chromium, total	ug/L	MW-48	09/24/2014	ND	8.0000		
Chromium, total	ug/L	MW-48	12/05/2014	ND	8.0000		
Chromium, total	ug/L	MW-48	03/11/2015	ND	8.0000		
Chromium, total	ug/L	MW-48	06/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-48	09/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-48	03/22/2016	ND	8.0000		
Chromium, total	ug/L	MW-48	09/14/2016	ND	8.0000		
Chromium, total	ug/L	MW-48	03/23/2017	ND	8.0000		
Chromium, total	ug/L	MW-48	09/08/2017	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-48	03/19/2018	ND	8.0000		
Chromium, total	ug/L	MW-48	09/11/2018	ND	8.0000		
Chromium, total	ug/L	MW-48	03/26/2019	ND	8.0000		
Chromium, total	ug/L	MW-48	09/04/2019	ND	8.0000		
Chromium, total	ug/L	MW-48	03/26/2020	ND	8.0000		
Chromium, total	ug/L	MW-48	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-48	03/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-48	09/07/2021	ND	8.0000		
Chromium, total	ug/L	MW-48	03/24/2022	ND	8.0000		
Chromium, total	ug/L	MW-48	08/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-48	03/02/2023	ND	8.0000		
Chromium, total	ug/L	MW-48	09/12/2023	ND	8.0000		
Chromium, total	ug/L	MW-48	03/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-48	09/23/2024	ND	8.0000		
Chromium, total	ug/L	MW-48	03/12/2025	ND	8.0000		
Chromium, total	ug/L	MW-48	09/03/2025	ND	1.0000		*
Chromium, total	ug/L	MW-78	09/24/2014	ND	8.0000		
Chromium, total	ug/L	MW-78	12/05/2014	ND	8.0000		
Chromium, total	ug/L	MW-78	03/11/2015	ND	8.0000		
Chromium, total	ug/L	MW-78	06/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-78	09/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-78	03/22/2016	ND	8.0000		
Chromium, total	ug/L	MW-78	09/15/2016	ND	8.0000		
Chromium, total	ug/L	MW-78	03/23/2017	ND	8.0000		
Chromium, total	ug/L	MW-78	09/08/2017	ND	8.0000		
Chromium, total	ug/L	MW-78	03/19/2018	ND	8.0000		
Chromium, total	ug/L	MW-78	09/11/2018	ND	8.0000		
Chromium, total	ug/L	MW-78	03/26/2019	ND	8.0000		
Chromium, total	ug/L	MW-78	09/04/2019	ND	8.0000		
Chromium, total	ug/L	MW-78	03/26/2020	ND	8.0000		
Chromium, total	ug/L	MW-78	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-78	03/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-78	09/07/2021	ND	8.0000		
Chromium, total	ug/L	MW-78	03/24/2022	ND	8.0000		
Chromium, total	ug/L	MW-78	08/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-78	03/02/2023	ND	8.0000		
Chromium, total	ug/L	MW-78	09/12/2023	ND	8.0000		
Chromium, total	ug/L	MW-78	03/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-78	09/23/2024	ND	8.0000		
Chromium, total	ug/L	MW-78	03/12/2025	ND	8.0000		
Chromium, total	ug/L	MW-78	09/03/2025	ND	1.0000		*
Chromium, total	ug/L	SW-101	09/14/2016	ND	8.0000		
Chromium, total	ug/L	SW-101	03/23/2017	ND	8.0000		
Chromium, total	ug/L	SW-101	09/08/2017	ND	8.0000		
Chromium, total	ug/L	SW-101	03/19/2018	ND	8.0000		
Chromium, total	ug/L	SW-101	09/11/2018	ND	8.0000		
Chromium, total	ug/L	SW-101	03/26/2019	ND	8.0000		
Chromium, total	ug/L	SW-101	09/04/2019	ND	8.0000		
Cobalt, total	ug/L	MW-39	09/24/2014	ND	0.8000		
Cobalt, total	ug/L	MW-39	12/05/2014	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/11/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	06/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/17/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/22/2016	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/15/2016	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/23/2017	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/08/2017	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/19/2018	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/11/2018	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/26/2019	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/04/2019	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/26/2020	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/15/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	03/02/2021	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/07/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	03/24/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	08/31/2022	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/02/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	09/12/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	03/04/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	09/23/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	03/12/2025	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	09/03/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-48	09/24/2014	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-48	12/05/2014	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/11/2015	ND	0.8000		
Cobalt, total	ug/L	MW-48	06/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/22/2016	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/14/2016	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/23/2017	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/08/2017	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/19/2018	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/11/2018	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/26/2019	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/04/2019	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/26/2020	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/15/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/02/2021		0.9000		
Cobalt, total	ug/L	MW-48	09/07/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/24/2022		0.4000		
Cobalt, total	ug/L	MW-48	08/31/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/02/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	09/12/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/04/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	09/23/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/12/2025	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	09/03/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-78	09/24/2014	ND	0.8000		
Cobalt, total	ug/L	MW-78	12/05/2014	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/11/2015	ND	0.8000		
Cobalt, total	ug/L	MW-78	06/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/22/2016	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/15/2016	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/23/2017	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/08/2017	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/19/2018	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/11/2018	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/26/2019	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/04/2019	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/26/2020	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/15/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/02/2021		1.0000		
Cobalt, total	ug/L	MW-78	09/07/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/24/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	08/31/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/02/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	09/12/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/04/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	09/23/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/12/2025	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	09/03/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	SW-101	09/14/2016		4.5000		
Cobalt, total	ug/L	SW-101	03/23/2017		4.2000		
Cobalt, total	ug/L	SW-101	09/08/2017		6.9000		
Cobalt, total	ug/L	SW-101	03/19/2018		2.3000		
Cobalt, total	ug/L	SW-101	09/11/2018		1.9000		
Cobalt, total	ug/L	SW-101	03/26/2019		1.8000		
Cobalt, total	ug/L	SW-101	09/04/2019		5.9000		
Copper, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Copper, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Copper, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Copper, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Copper, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Copper, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Copper, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Copper, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Copper, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Copper, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Copper, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Copper, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Copper, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Copper, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Copper, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Copper, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Copper, total	ug/L	MW-39	03/24/2022	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Copper, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Copper, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Copper, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Copper, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Copper, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Copper, total	ug/L	MW-39	09/03/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Copper, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Copper, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Copper, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Copper, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Copper, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Copper, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Copper, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Copper, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Copper, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Copper, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Copper, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Copper, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Copper, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Copper, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Copper, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Copper, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Copper, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Copper, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Copper, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Copper, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Copper, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Copper, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Copper, total	ug/L	MW-48	09/03/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Copper, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Copper, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Copper, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Copper, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Copper, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Copper, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Copper, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Copper, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Copper, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Copper, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Copper, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Copper, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Copper, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Copper, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Copper, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Copper, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Copper, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Copper, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Copper, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Copper, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Copper, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Copper, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Copper, total	ug/L	MW-78	09/03/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Copper, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Copper, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Copper, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Copper, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Copper, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Copper, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Lead, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Lead, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Lead, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Lead, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Lead, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Lead, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Lead, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Lead, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Lead, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Lead, total	ug/L	MW-39	03/19/2018	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-39	09/11/2018	ND	4.0000		
Lead, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Lead, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Lead, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Lead, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Lead, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Lead, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Lead, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Lead, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Lead, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Lead, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Lead, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Lead, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Lead, total	ug/L	MW-39	09/03/2025	ND	1.0000		*
Lead, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Lead, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Lead, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Lead, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Lead, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Lead, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Lead, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Lead, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Lead, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Lead, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Lead, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Lead, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Lead, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Lead, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Lead, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Lead, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Lead, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Lead, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Lead, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Lead, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Lead, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Lead, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Lead, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Lead, total	ug/L	MW-48	09/03/2025	ND	1.0000		*
Lead, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Lead, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Lead, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Lead, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Lead, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Lead, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Lead, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Lead, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Lead, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Lead, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Lead, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Lead, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Lead, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Lead, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Lead, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Lead, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Lead, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Lead, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Lead, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Lead, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Lead, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Lead, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Lead, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Lead, total	ug/L	MW-78	09/03/2025	ND	1.0000		*
Lead, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Lead, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Lead, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Lead, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Lead, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Lead, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Lead, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Nickel, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Nickel, total	ug/L	MW-39	12/05/2014	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Nickel, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Nickel, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Nickel, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Nickel, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Nickel, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Nickel, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Nickel, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Nickel, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Nickel, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Nickel, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Nickel, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Nickel, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Nickel, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Nickel, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Nickel, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Nickel, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Nickel, total	ug/L	MW-39	09/03/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Nickel, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Nickel, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Nickel, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Nickel, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Nickel, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Nickel, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Nickel, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Nickel, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Nickel, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Nickel, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Nickel, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Nickel, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Nickel, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Nickel, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Nickel, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Nickel, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Nickel, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Nickel, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Nickel, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Nickel, total	ug/L	MW-48	09/03/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Nickel, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Nickel, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Nickel, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Nickel, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Nickel, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Nickel, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Nickel, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Nickel, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Nickel, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Nickel, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Nickel, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Nickel, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Nickel, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Nickel, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Nickel, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Nickel, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Nickel, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Nickel, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Nickel, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Nickel, total	ug/L	MW-78	09/03/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	SW-101	09/14/2016		8.7000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	SW-101	03/23/2017		5.4000		
Nickel, total	ug/L	SW-101	09/08/2017		8.6000		
Nickel, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Nickel, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Nickel, total	ug/L	SW-101	03/26/2019		4.2000		
Nickel, total	ug/L	SW-101	09/04/2019		7.5000		
Selenium, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Selenium, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Selenium, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Selenium, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Selenium, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Selenium, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Selenium, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Selenium, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Selenium, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Selenium, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Selenium, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Selenium, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Selenium, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Selenium, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Selenium, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Selenium, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Selenium, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Selenium, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Selenium, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Selenium, total	ug/L	MW-39	09/03/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Selenium, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Selenium, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Selenium, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Selenium, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Selenium, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Selenium, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Selenium, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Selenium, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Selenium, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Selenium, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Selenium, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Selenium, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Selenium, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Selenium, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Selenium, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Selenium, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Selenium, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Selenium, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Selenium, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Selenium, total	ug/L	MW-48	09/03/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-78	09/24/2014		5.4000		
Selenium, total	ug/L	MW-78	12/05/2014		5.6000		
Selenium, total	ug/L	MW-78	03/11/2015		6.5000		
Selenium, total	ug/L	MW-78	06/16/2015		8.6000		
Selenium, total	ug/L	MW-78	09/16/2015		8.1000		
Selenium, total	ug/L	MW-78	03/22/2016		8.9000		
Selenium, total	ug/L	MW-78	09/15/2016		9.4000		
Selenium, total	ug/L	MW-78	03/23/2017		10.6000		
Selenium, total	ug/L	MW-78	09/08/2017		6.9000		
Selenium, total	ug/L	MW-78	03/19/2018		8.3000		
Selenium, total	ug/L	MW-78	09/11/2018		5.6000		
Selenium, total	ug/L	MW-78	03/26/2019		9.5000		
Selenium, total	ug/L	MW-78	09/04/2019		6.8000		
Selenium, total	ug/L	MW-78	03/26/2020		5.4000		
Selenium, total	ug/L	MW-78	09/15/2020		8.5000		
Selenium, total	ug/L	MW-78	03/02/2021		9.4000		
Selenium, total	ug/L	MW-78	09/07/2021		4.9000		
Selenium, total	ug/L	MW-78	03/24/2022		6.3000		

* - 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	
Selenium, total	ug/L	MW-78	08/31/2022		6.2000		
Selenium, total	ug/L	MW-78	03/02/2023		7.9000		
Selenium, total	ug/L	MW-78	09/12/2023		5.8000		
Selenium, total	ug/L	MW-78	03/04/2024		5.7000		
Selenium, total	ug/L	MW-78	09/23/2024		4.1000		
Selenium, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Selenium, total	ug/L	MW-78	09/03/2025		6.0000		
Selenium, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Selenium, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Selenium, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Selenium, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Selenium, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Selenium, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Selenium, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Silver, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Silver, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Silver, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Silver, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Silver, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Silver, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Silver, total	ug/L	MW-39	09/15/2016		6.4000		
Silver, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Silver, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Silver, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Silver, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Silver, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Silver, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Silver, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Silver, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Silver, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Silver, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Silver, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Silver, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Silver, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Silver, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Silver, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Silver, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Silver, total	ug/L	MW-39	09/03/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Silver, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Silver, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Silver, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Silver, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Silver, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Silver, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Silver, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Silver, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Silver, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Silver, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Silver, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Silver, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Silver, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Silver, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Silver, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Silver, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Silver, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Silver, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Silver, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Silver, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Silver, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Silver, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Silver, total	ug/L	MW-48	09/03/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Silver, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Silver, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Silver, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Silver, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Silver, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Silver, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Silver, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Silver, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Silver, total	ug/L	MW-78	03/19/2018	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Silver, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Silver, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Silver, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Silver, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Silver, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Silver, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Silver, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Silver, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Silver, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Silver, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Silver, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Silver, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Silver, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Silver, total	ug/L	MW-78	09/03/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Silver, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Silver, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Silver, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Silver, total	ug/L	SW-101	09/11/2018	ND	8.0000	4.0000	**
Silver, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Silver, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Thallium, total	ug/L	MW-39	09/24/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	12/05/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	03/11/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	06/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	09/17/2015		2.4000		
Thallium, total	ug/L	MW-39	03/22/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	09/15/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	03/23/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	09/08/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	03/19/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	09/11/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	03/26/2019	ND	2.0000		
Thallium, total	ug/L	MW-39	09/04/2019	ND	2.0000		
Thallium, total	ug/L	MW-39	03/26/2020	ND	2.0000		
Thallium, total	ug/L	MW-39	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-39	03/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-39	09/07/2021	ND	2.0000		
Thallium, total	ug/L	MW-39	03/24/2022	ND	2.0000		
Thallium, total	ug/L	MW-39	08/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-39	03/02/2023	ND	2.0000		
Thallium, total	ug/L	MW-39	09/12/2023	ND	2.0000		
Thallium, total	ug/L	MW-39	03/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-39	09/23/2024	ND	2.0000		
Thallium, total	ug/L	MW-39	03/12/2025	ND	2.0000		
Thallium, total	ug/L	MW-39	09/03/2025	ND	0.5000		*
Thallium, total	ug/L	MW-48	09/24/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	12/05/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/11/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	06/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	09/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/22/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	09/14/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/23/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	09/08/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/19/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	09/11/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/26/2019	ND	2.0000		
Thallium, total	ug/L	MW-48	09/04/2019	ND	2.0000		
Thallium, total	ug/L	MW-48	03/26/2020	ND	2.0000		
Thallium, total	ug/L	MW-48	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-48	03/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-48	09/07/2021	ND	2.0000		
Thallium, total	ug/L	MW-48	03/24/2022	ND	2.0000		
Thallium, total	ug/L	MW-48	08/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-48	03/02/2023	ND	2.0000		
Thallium, total	ug/L	MW-48	09/12/2023	ND	2.0000		
Thallium, total	ug/L	MW-48	03/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-48	09/23/2024	ND	2.0000		
Thallium, total	ug/L	MW-48	03/12/2025	ND	2.0000		
Thallium, total	ug/L	MW-48	09/03/2025	ND	0.5000		*
Thallium, total	ug/L	MW-78	09/24/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	12/05/2014	ND	4.0000	2.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-78	03/11/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	06/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	09/16/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/22/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	09/15/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/23/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	09/08/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/19/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	09/11/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/26/2019	ND	2.0000		
Thallium, total	ug/L	MW-78	09/04/2019	ND	2.0000		
Thallium, total	ug/L	MW-78	03/26/2020	ND	2.0000		
Thallium, total	ug/L	MW-78	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-78	03/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-78	09/07/2021	ND	2.0000		
Thallium, total	ug/L	MW-78	03/24/2022	ND	2.0000		
Thallium, total	ug/L	MW-78	08/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-78	03/02/2023	ND	2.0000		
Thallium, total	ug/L	MW-78	09/12/2023	ND	2.0000		
Thallium, total	ug/L	MW-78	03/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-78	09/23/2024	ND	2.0000		
Thallium, total	ug/L	MW-78	03/12/2025	ND	2.0000		
Thallium, total	ug/L	MW-78	09/03/2025	ND	0.5000		*
Thallium, total	ug/L	SW-101	09/14/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	03/23/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	09/08/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	03/19/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	09/11/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	03/26/2019	ND	2.0000		
Thallium, total	ug/L	SW-101	09/04/2019	ND	2.0000		
Vanadium, total	ug/L	MW-39	09/24/2014	ND	20.0000		
Vanadium, total	ug/L	MW-39	12/05/2014	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/11/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	06/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/17/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/22/2016	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/15/2016	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/23/2017	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/08/2017	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/19/2018	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/11/2018	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/26/2019	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/04/2019	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/26/2020	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/07/2021	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/24/2022	ND	20.0000		
Vanadium, total	ug/L	MW-39	08/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/02/2023	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/12/2023	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/23/2024	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/12/2025	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/03/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-48	09/24/2014	ND	20.0000		
Vanadium, total	ug/L	MW-48	12/05/2014	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/11/2015	ND	20.0000		
Vanadium, total	ug/L	MW-48	06/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/22/2016	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/14/2016	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/23/2017	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/08/2017	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/19/2018	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/11/2018	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/26/2019	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/04/2019	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/26/2020	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/07/2021	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/24/2022	ND	20.0000		
Vanadium, total	ug/L	MW-48	08/31/2022	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-48	03/02/2023	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/12/2023	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/23/2024	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/12/2025	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/03/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-78	09/24/2014	ND	20.0000		
Vanadium, total	ug/L	MW-78	12/05/2014	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/11/2015	ND	20.0000		
Vanadium, total	ug/L	MW-78	06/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/22/2016	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/15/2016	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/23/2017	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/08/2017	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/19/2018	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/11/2018	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/26/2019	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/04/2019	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/26/2020	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/07/2021	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/24/2022	ND	20.0000		
Vanadium, total	ug/L	MW-78	08/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/02/2023	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/12/2023	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/23/2024	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/12/2025	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/03/2025	ND	2.0000		*
Vanadium, total	ug/L	SW-101	09/14/2016	ND	20.0000		
Vanadium, total	ug/L	SW-101	03/23/2017	ND	20.0000		
Vanadium, total	ug/L	SW-101	09/08/2017	ND	20.0000		
Vanadium, total	ug/L	SW-101	03/19/2018	ND	20.0000		
Vanadium, total	ug/L	SW-101	09/11/2018	ND	20.0000		
Vanadium, total	ug/L	SW-101	03/26/2019	ND	20.0000		
Vanadium, total	ug/L	SW-101	09/04/2019	ND	20.0000		
Zinc, total	ug/L	MW-39	09/24/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	12/05/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	03/11/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	06/16/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	09/17/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	03/22/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	09/15/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	03/23/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	09/08/2017	ND	20.0000		
Zinc, total	ug/L	MW-39	03/19/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	09/11/2018	ND	20.0000		
Zinc, total	ug/L	MW-39	03/26/2019		24.6000		
Zinc, total	ug/L	MW-39	09/04/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	03/26/2020	ND	20.0000		
Zinc, total	ug/L	MW-39	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-39	03/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-39	09/07/2021	ND	20.0000		
Zinc, total	ug/L	MW-39	03/24/2022	ND	20.0000		
Zinc, total	ug/L	MW-39	08/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-39	03/02/2023	ND	20.0000		
Zinc, total	ug/L	MW-39	09/12/2023	ND	20.0000		
Zinc, total	ug/L	MW-39	03/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-39	09/23/2024	ND	20.0000		
Zinc, total	ug/L	MW-39	03/12/2025	ND	20.0000		
Zinc, total	ug/L	MW-39	09/03/2025	ND	5.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/24/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	12/05/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	03/11/2015		32.3000		
Zinc, total	ug/L	MW-48	06/16/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/16/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	03/22/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/14/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	03/23/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/08/2017	ND	20.0000		
Zinc, total	ug/L	MW-48	03/19/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/11/2018	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-48	03/26/2019	ND	20.0000		
Zinc, total	ug/L	MW-48	09/04/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	03/26/2020	ND	20.0000		
Zinc, total	ug/L	MW-48	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-48	03/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-48	09/07/2021	ND	20.0000		
Zinc, total	ug/L	MW-48	03/24/2022	ND	20.0000		
Zinc, total	ug/L	MW-48	08/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-48	03/02/2023	ND	20.0000		
Zinc, total	ug/L	MW-48	09/12/2023	ND	20.0000		
Zinc, total	ug/L	MW-48	03/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-48	09/23/2024	ND	20.0000		
Zinc, total	ug/L	MW-48	03/12/2025	ND	20.0000		
Zinc, total	ug/L	MW-48	09/03/2025		9.6000		
Zinc, total	ug/L	MW-78	09/24/2014		10.7000		
Zinc, total	ug/L	MW-78	12/05/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	03/11/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	06/16/2015		8.4000		
Zinc, total	ug/L	MW-78	09/16/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	03/22/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	09/15/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	03/23/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	09/08/2017	ND	20.0000		
Zinc, total	ug/L	MW-78	03/19/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	09/11/2018	ND	20.0000		
Zinc, total	ug/L	MW-78	03/26/2019	ND	20.0000		
Zinc, total	ug/L	MW-78	09/04/2019		17.6000		
Zinc, total	ug/L	MW-78	03/26/2020	ND	20.0000		
Zinc, total	ug/L	MW-78	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-78	03/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-78	09/07/2021	ND	20.0000		
Zinc, total	ug/L	MW-78	03/24/2022	ND	20.0000		
Zinc, total	ug/L	MW-78	08/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-78	03/02/2023	ND	20.0000		
Zinc, total	ug/L	MW-78	09/12/2023	ND	20.0000		
Zinc, total	ug/L	MW-78	03/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-78	09/23/2024	ND	20.0000		
Zinc, total	ug/L	MW-78	03/12/2025	ND	20.0000		
Zinc, total	ug/L	MW-78	09/03/2025		6.4000		
Zinc, total	ug/L	SW-101	09/14/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	SW-101	03/23/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	SW-101	09/08/2017	ND	20.0000		
Zinc, total	ug/L	SW-101	03/19/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	SW-101	09/11/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	SW-101	03/26/2019	ND	20.0000		
Zinc, total	ug/L	SW-101	09/04/2019	ND	8.0000	20.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, total	ug/L	MW-36	09/03/2025	ND	1.0000		2.0000
Antimony, total	ug/L	MW-41	09/03/2025	ND	1.0000		2.0000
Antimony, total	ug/L	MW-42	09/03/2025	ND	1.0000		2.0000
Antimony, total	ug/L	MW-58	09/03/2025	ND	1.0000		2.0000
Antimony, total	ug/L	MW-59	09/03/2025	ND	1.0000		2.0000
Antimony, total	ug/L	MW-60	09/03/2025	ND	1.0000		2.0000
Antimony, total	ug/L	MW-61	09/03/2025	ND	1.0000		2.0000
Antimony, total	ug/L	MW-62R	09/03/2025	ND	1.0000		2.0000
Antimony, total	ug/L	MW-79	09/03/2025	ND	1.0000		2.0000
Antimony, total	ug/L	MW-80	09/03/2025	ND	1.0000		2.0000
Antimony, total	ug/L	SW-101R	09/03/2025	ND	1.0000		2.0000
Antimony, total	ug/L	SW-102	09/03/2025	ND	1.0000		2.0000
Antimony, total	ug/L	SW-103	09/03/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-36	09/03/2025	ND	2.0000		7.3000
Arsenic, total	ug/L	MW-41	09/03/2025	ND	2.0000		7.3000
Arsenic, total	ug/L	MW-42	09/03/2025	ND	2.0000		7.3000
Arsenic, total	ug/L	MW-58	09/03/2025	ND	2.0000		7.3000
Arsenic, total	ug/L	MW-59	09/03/2025	ND	2.0000		7.3000
Arsenic, total	ug/L	MW-60	09/03/2025	ND	2.0000		7.3000
Arsenic, total	ug/L	MW-61	09/03/2025	ND	2.0000		7.3000
Arsenic, total	ug/L	MW-62R	09/03/2025	ND	2.0000		7.3000
Arsenic, total	ug/L	MW-79	09/03/2025	ND	2.0000		7.3000
Arsenic, total	ug/L	MW-80	09/03/2025	ND	2.0000		7.3000
Arsenic, total	ug/L	SW-101R	09/03/2025		4.0000		7.3000
Arsenic, total	ug/L	SW-102	09/03/2025		2.1000		7.3000
Arsenic, total	ug/L	SW-103	09/03/2025		2.2000		7.3000
Barium, total	ug/L	MW-36	09/03/2025		153.0000		357.0000
Barium, total	ug/L	MW-41	09/03/2025		80.4000		357.0000
Barium, total	ug/L	MW-42	09/03/2025		25.6000		357.0000
Barium, total	ug/L	MW-58	09/03/2025		25.5000		357.0000
Barium, total	ug/L	MW-59	09/03/2025		46.1000		357.0000
Barium, total	ug/L	MW-60	09/03/2025		326.0000		357.0000
Barium, total	ug/L	MW-61	09/03/2025		61.1000		357.0000
Barium, total	ug/L	MW-62R	09/03/2025		1130.0000	***	357.0000
Barium, total	ug/L	MW-79	09/03/2025		54.9000		357.0000
Barium, total	ug/L	MW-80	09/03/2025		120.0000		357.0000
Barium, total	ug/L	SW-101R	09/03/2025		228.0000		357.0000
Barium, total	ug/L	SW-102	09/03/2025		176.0000		357.0000
Barium, total	ug/L	SW-103	09/03/2025		176.0000		357.0000
Beryllium, total	ug/L	MW-36	09/03/2025	ND	0.5000		4.0000
Beryllium, total	ug/L	MW-41	09/03/2025	ND	0.5000		4.0000
Beryllium, total	ug/L	MW-42	09/03/2025	ND	0.5000		4.0000
Beryllium, total	ug/L	MW-58	09/03/2025	ND	0.5000		4.0000
Beryllium, total	ug/L	MW-59	09/03/2025	ND	0.5000		4.0000
Beryllium, total	ug/L	MW-60	09/03/2025	ND	0.5000		4.0000
Beryllium, total	ug/L	MW-61	09/03/2025	ND	0.5000		4.0000
Beryllium, total	ug/L	MW-62R	09/03/2025	ND	0.5000		4.0000
Beryllium, total	ug/L	MW-79	09/03/2025	ND	0.5000		4.0000
Beryllium, total	ug/L	MW-80	09/03/2025	ND	0.5000		4.0000
Beryllium, total	ug/L	SW-101R	09/03/2025	ND	0.5000		4.0000
Beryllium, total	ug/L	SW-102	09/03/2025	ND	0.5000		4.0000
Beryllium, total	ug/L	SW-103	09/03/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-36	09/03/2025	ND	0.2000		0.8000
Cadmium, total	ug/L	MW-41	09/03/2025	ND	0.2000		0.8000
Cadmium, total	ug/L	MW-42	09/03/2025	ND	0.2000		0.8000
Cadmium, total	ug/L	MW-58	09/03/2025		0.2000		0.8000
Cadmium, total	ug/L	MW-59	09/03/2025	ND	0.2000		0.8000
Cadmium, total	ug/L	MW-60	09/03/2025		0.2000		0.8000
Cadmium, total	ug/L	MW-61	09/03/2025	ND	0.2000		0.8000
Cadmium, total	ug/L	MW-62R	09/03/2025	ND	0.2000		0.8000
Cadmium, total	ug/L	MW-79	09/03/2025	ND	0.2000		0.8000
Cadmium, total	ug/L	MW-80	09/03/2025	ND	0.2000		0.8000
Cadmium, total	ug/L	SW-101R	09/03/2025	ND	0.2000		0.8000
Cadmium, total	ug/L	SW-102	09/03/2025	ND	0.2000		0.8000
Cadmium, total	ug/L	SW-103	09/03/2025	ND	0.2000		0.8000
Chromium, total	ug/L	MW-36	09/03/2025		1.0000		8.0000
Chromium, total	ug/L	MW-41	09/03/2025		1.0000		8.0000
Chromium, total	ug/L	MW-42	09/03/2025		1.1000		8.0000
Chromium, total	ug/L	MW-58	09/03/2025		1.2000		8.0000
Chromium, total	ug/L	MW-59	09/03/2025		1.1000		8.0000
Chromium, total	ug/L	MW-60	09/03/2025		1.2000		8.0000
Chromium, total	ug/L	MW-61	09/03/2025		1.3000		8.0000

* - 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
Chromium, total	ug/L	MW-62R	09/03/2025		1.2000		8.0000
Chromium, total	ug/L	MW-79	09/03/2025	ND	1.0000		8.0000
Chromium, total	ug/L	MW-80	09/03/2025	ND	1.0000		8.0000
Chromium, total	ug/L	SW-101R	09/03/2025	ND	1.0000		8.0000
Chromium, total	ug/L	SW-102	09/03/2025	ND	1.0000		8.0000
Chromium, total	ug/L	SW-103	09/03/2025		1.9000		8.0000
Cobalt, total	ug/L	MW-36	09/03/2025	ND	0.5000		6.9000
Cobalt, total	ug/L	MW-41	09/03/2025	ND	0.5000		6.9000
Cobalt, total	ug/L	MW-42	09/03/2025	ND	0.5000		6.9000
Cobalt, total	ug/L	MW-58	09/03/2025	ND	0.5000		6.9000
Cobalt, total	ug/L	MW-59	09/03/2025	ND	0.5000		6.9000
Cobalt, total	ug/L	MW-60	09/03/2025	ND	0.5000		6.9000
Cobalt, total	ug/L	MW-61	09/03/2025	ND	0.5000		6.9000
Cobalt, total	ug/L	MW-62R	09/03/2025	ND	0.5000		6.9000
Cobalt, total	ug/L	MW-79	09/03/2025	ND	0.5000		6.9000
Cobalt, total	ug/L	MW-80	09/03/2025		0.6000		6.9000
Cobalt, total	ug/L	SW-101R	09/03/2025		4.2000		6.9000
Cobalt, total	ug/L	SW-102	09/03/2025		0.5000		6.9000
Cobalt, total	ug/L	SW-103	09/03/2025		1.3000		6.9000
Copper, total	ug/L	MW-36	09/03/2025	ND	5.0000		4.0000
Copper, total	ug/L	MW-41	09/03/2025	ND	5.0000		4.0000
Copper, total	ug/L	MW-42	09/03/2025	ND	5.0000		4.0000
Copper, total	ug/L	MW-58	09/03/2025	ND	5.0000		4.0000
Copper, total	ug/L	MW-59	09/03/2025	ND	5.0000	**	4.0000
Copper, total	ug/L	MW-60	09/03/2025	ND	5.0000	**	4.0000
Copper, total	ug/L	MW-61	09/03/2025		6.5000	*	4.0000
Copper, total	ug/L	MW-62R	09/03/2025	ND	5.0000		4.0000
Copper, total	ug/L	MW-79	09/03/2025	ND	5.0000		4.0000
Copper, total	ug/L	MW-80	09/03/2025	ND	5.0000		4.0000
Copper, total	ug/L	SW-101R	09/03/2025	ND	5.0000		4.0000
Copper, total	ug/L	SW-102	09/03/2025		7.8000	*	4.0000
Copper, total	ug/L	SW-103	09/03/2025	ND	5.0000		4.0000
Lead, total	ug/L	MW-36	09/03/2025	ND	1.0000		4.0000
Lead, total	ug/L	MW-41	09/03/2025	ND	1.0000		4.0000
Lead, total	ug/L	MW-42	09/03/2025	ND	1.0000		4.0000
Lead, total	ug/L	MW-58	09/03/2025	ND	1.0000		4.0000
Lead, total	ug/L	MW-59	09/03/2025	ND	1.0000		4.0000
Lead, total	ug/L	MW-60	09/03/2025	ND	1.0000		4.0000
Lead, total	ug/L	MW-61	09/03/2025	ND	1.0000		4.0000
Lead, total	ug/L	MW-62R	09/03/2025	ND	1.0000		4.0000
Lead, total	ug/L	MW-79	09/03/2025	ND	1.0000		4.0000
Lead, total	ug/L	MW-80	09/03/2025	ND	1.0000		4.0000
Lead, total	ug/L	SW-101R	09/03/2025	ND	1.0000		4.0000
Lead, total	ug/L	SW-102	09/03/2025	ND	1.0000		4.0000
Lead, total	ug/L	SW-103	09/03/2025		2.2000		4.0000
Nickel, total	ug/L	MW-36	09/03/2025	ND	5.0000		8.7000
Nickel, total	ug/L	MW-41	09/03/2025	ND	5.0000		8.7000
Nickel, total	ug/L	MW-42	09/03/2025	ND	5.0000		8.7000
Nickel, total	ug/L	MW-58	09/03/2025		13.1000	***	8.7000
Nickel, total	ug/L	MW-59	09/03/2025	ND	5.0000		8.7000
Nickel, total	ug/L	MW-60	09/03/2025		15.2000	*	8.7000
Nickel, total	ug/L	MW-61	09/03/2025		5.8000		8.7000
Nickel, total	ug/L	MW-62R	09/03/2025	ND	5.0000		8.7000
Nickel, total	ug/L	MW-79	09/03/2025	ND	5.0000		8.7000
Nickel, total	ug/L	MW-80	09/03/2025	ND	5.0000		8.7000
Nickel, total	ug/L	SW-101R	09/03/2025		6.3000		8.7000
Nickel, total	ug/L	SW-102	09/03/2025		6.2000		8.7000
Nickel, total	ug/L	SW-103	09/03/2025	ND	5.0000		8.7000
Selenium, total	ug/L	MW-36	09/03/2025	ND	2.0000		10.6000
Selenium, total	ug/L	MW-41	09/03/2025		2.6000		10.6000
Selenium, total	ug/L	MW-42	09/03/2025	ND	2.0000		10.6000
Selenium, total	ug/L	MW-58	09/03/2025	ND	2.0000		10.6000
Selenium, total	ug/L	MW-59	09/03/2025	ND	2.0000		10.6000
Selenium, total	ug/L	MW-60	09/03/2025	ND	2.0000		10.6000
Selenium, total	ug/L	MW-61	09/03/2025	ND	2.0000		10.6000
Selenium, total	ug/L	MW-62R	09/03/2025	ND	2.0000		10.6000
Selenium, total	ug/L	MW-79	09/03/2025	ND	2.0000		10.6000
Selenium, total	ug/L	MW-80	09/03/2025	ND	2.0000		10.6000
Selenium, total	ug/L	SW-101R	09/03/2025	ND	2.0000		10.6000
Selenium, total	ug/L	SW-102	09/03/2025	ND	2.0000		10.6000
Selenium, total	ug/L	SW-103	09/03/2025	ND	2.0000		10.6000
Silver, total	ug/L	MW-36	09/03/2025	ND	5.0000		6.4000

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Silver, total	ug/L	MW-41	09/03/2025	ND	5.0000		6.4000
Silver, total	ug/L	MW-42	09/03/2025	ND	5.0000		6.4000
Silver, total	ug/L	MW-58	09/03/2025	ND	5.0000		6.4000
Silver, total	ug/L	MW-59	09/03/2025	ND	5.0000		6.4000
Silver, total	ug/L	MW-60	09/03/2025	ND	5.0000		6.4000
Silver, total	ug/L	MW-61	09/03/2025	ND	5.0000		6.4000
Silver, total	ug/L	MW-62R	09/03/2025	ND	5.0000		6.4000
Silver, total	ug/L	MW-79	09/03/2025	ND	5.0000		6.4000
Silver, total	ug/L	MW-80	09/03/2025	ND	5.0000		6.4000
Silver, total	ug/L	SW-101R	09/03/2025	ND	5.0000		6.4000
Silver, total	ug/L	SW-102	09/03/2025	ND	5.0000		6.4000
Silver, total	ug/L	SW-103	09/03/2025	ND	5.0000		6.4000
Thallium, total	ug/L	MW-36	09/03/2025	ND	0.5000		2.4000
Thallium, total	ug/L	MW-41	09/03/2025	ND	0.5000		2.4000
Thallium, total	ug/L	MW-42	09/03/2025	ND	0.5000		2.4000
Thallium, total	ug/L	MW-58	09/03/2025	ND	0.5000		2.4000
Thallium, total	ug/L	MW-59	09/03/2025	ND	0.5000		2.4000
Thallium, total	ug/L	MW-60	09/03/2025	ND	0.5000		2.4000
Thallium, total	ug/L	MW-61	09/03/2025	ND	0.5000		2.4000
Thallium, total	ug/L	MW-62R	09/03/2025	ND	0.5000		2.4000
Thallium, total	ug/L	MW-79	09/03/2025	ND	0.5000		2.4000
Thallium, total	ug/L	MW-80	09/03/2025	ND	0.5000		2.4000
Thallium, total	ug/L	SW-101R	09/03/2025	ND	0.5000		2.4000
Thallium, total	ug/L	SW-102	09/03/2025	ND	0.5000		2.4000
Thallium, total	ug/L	SW-103	09/03/2025	ND	0.5000		2.4000
Vanadium, total	ug/L	MW-36	09/03/2025	ND	2.0000		20.0000
Vanadium, total	ug/L	MW-41	09/03/2025	ND	2.0000		20.0000
Vanadium, total	ug/L	MW-42	09/03/2025	ND	2.0000		20.0000
Vanadium, total	ug/L	MW-58	09/03/2025	ND	2.0000		20.0000
Vanadium, total	ug/L	MW-59	09/03/2025	ND	2.0000		20.0000
Vanadium, total	ug/L	MW-60	09/03/2025	ND	2.0000		20.0000
Vanadium, total	ug/L	MW-61	09/03/2025	ND	2.0000		20.0000
Vanadium, total	ug/L	MW-62R	09/03/2025	ND	2.0000		20.0000
Vanadium, total	ug/L	MW-79	09/03/2025	ND	2.0000		20.0000
Vanadium, total	ug/L	MW-80	09/03/2025	ND	2.0000		20.0000
Vanadium, total	ug/L	SW-101R	09/03/2025	ND	2.0000		20.0000
Vanadium, total	ug/L	SW-102	09/03/2025	ND	2.0000		20.0000
Vanadium, total	ug/L	SW-103	09/03/2025		3.3000		20.0000
Zinc, total	ug/L	MW-36	09/03/2025		11.4000		32.3000
Zinc, total	ug/L	MW-41	09/03/2025		9.8000		32.3000
Zinc, total	ug/L	MW-42	09/03/2025		12.7000		32.3000
Zinc, total	ug/L	MW-58	09/03/2025		8.0000		32.3000
Zinc, total	ug/L	MW-59	09/03/2025		6.1000		32.3000
Zinc, total	ug/L	MW-60	09/03/2025		13.4000		32.3000
Zinc, total	ug/L	MW-61	09/03/2025		8.2000		32.3000
Zinc, total	ug/L	MW-62R	09/03/2025		13.1000		32.3000
Zinc, total	ug/L	MW-79	09/03/2025		12.2000		32.3000
Zinc, total	ug/L	MW-80	09/03/2025		6.0000		32.3000
Zinc, total	ug/L	SW-101R	09/03/2025	ND	5.0000		32.3000
Zinc, total	ug/L	SW-102	09/03/2025		7.3000		32.3000
Zinc, total	ug/L	SW-103	09/03/2025		19.9000		32.3000

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	0	82	0.000	2	355	0.006
Arsenic, total	2	82	0.024	38	355	0.107
Barium, total	82	82	1.000	354	354	1.000
Beryllium, total	0	79	0.000	3	354	0.008
Cadmium, total	0	79	0.000	15	354	0.042
Chromium, total	0	79	0.000	22	355	0.062
Cobalt, total	12	82	0.146	119	359	0.331
Copper, total	0	82	0.000	62	359	0.173
Lead, total	0	79	0.000	21	354	0.059
Nickel, total	5	82	0.061	184	359	0.513
Selenium, total	24	82	0.293	24	354	0.068
Silver, total	1	82	0.012	1	354	0.003
Thallium, total	1	79	0.013	0	354	0.000
Vanadium, total	0	79	0.000	12	355	0.034
Zinc, total	7	82	0.085	91	356	0.256

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	82	0.000									nonpar
Arsenic, total	2	82	0.024									nonpar
Barium, total	82	82	1.000	2.942	3.181					2.326	non-norm	nonpar
Beryllium, total	0	79	0.000									nonpar
Cadmium, total	0	79	0.000									nonpar
Chromium, total	0	79	0.000									nonpar
Cobalt, total	12	82	0.146	0.421	0.600					2.326	normal	nonpar
Copper, total	0	82	0.000									nonpar
Lead, total	0	79	0.000									nonpar
Nickel, total	5	82	0.061	0.460	0.593					2.326	normal	nonpar
Selenium, total	24	82	0.293	0.677	0.217					2.326	normal	nonpar
Silver, total	1	82	0.012									nonpar
Thallium, total	1	79	0.013									nonpar
Vanadium, total	0	79	0.000									nonpar
Zinc, total	7	82	0.085	0.007	1.085					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	82					2.0000	nonpar	***	0.99
Arsenic, total	ug/L	2	82					7.3000	nonpar		0.99
Barium, total	ug/L	82	82					357.0000	nonpar		0.99
Beryllium, total	ug/L	0	79					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	0	79					0.8000	nonpar	***	0.99
Chromium, total	ug/L	0	79					8.0000	nonpar	***	0.99
Cobalt, total	ug/L	12	82					6.9000	nonpar		0.99
Copper, total	ug/L	0	82					4.0000	nonpar	***	0.99
Lead, total	ug/L	0	79					4.0000	nonpar	***	0.99
Nickel, total	ug/L	5	82					8.7000	nonpar		0.99
Selenium, total	ug/L	24	82					10.6000	nonpar		0.99
Silver, total	ug/L	1	82					6.4000	nonpar		0.99
Thallium, total	ug/L	1	79					2.4000	nonpar		0.99
Vanadium, total	ug/L	0	79					20.0000	nonpar	***	0.99
Zinc, total	ug/L	7	82					32.3000	nonpar		0.99

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

* - Insufficient Data.

** - Calculated limit raised to Manual Reporting Limit.

*** - Nonparametric limit based on ND value.

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

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

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

Table 6

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

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Beryllium, total	ug/L	MW-39	09/03/2025	0.5000	< 0.5000	09/24/2014-09/03/2025	25	0.4893
Beryllium, total	ug/L	MW-48	09/03/2025	0.5000	< 0.5000	09/24/2014-09/03/2025	25	0.4893
Beryllium, total	ug/L	MW-78	09/03/2025	0.5000	< 0.5000	09/24/2014-09/03/2025	25	0.4893
Cadmium, total	ug/L	MW-39	09/03/2025	0.2000	< 0.2000	09/24/2014-09/03/2025	25	0.4893
Cadmium, total	ug/L	MW-48	09/03/2025	0.2000	< 0.2000	09/24/2014-09/03/2025	25	0.4893
Cadmium, total	ug/L	MW-78	09/03/2025	0.2000	< 0.2000	09/24/2014-09/03/2025	25	0.4893
Chromium, total	ug/L	MW-39	09/03/2025	1.0000	< 1.0000	09/24/2014-09/03/2025	25	0.4893
Chromium, total	ug/L	MW-48	09/03/2025	1.0000	< 1.0000	09/24/2014-09/03/2025	25	0.4893
Chromium, total	ug/L	MW-78	09/03/2025	1.0000	< 1.0000	09/24/2014-09/03/2025	25	0.4893
Lead, total	ug/L	MW-39	09/03/2025	1.0000	< 1.0000	09/24/2014-09/03/2025	25	0.4893
Lead, total	ug/L	MW-48	09/03/2025	1.0000	< 1.0000	09/24/2014-09/03/2025	25	0.4893
Lead, total	ug/L	MW-78	09/03/2025	1.0000	< 1.0000	09/24/2014-09/03/2025	25	0.4893
Thallium, total	ug/L	MW-39	09/03/2025	0.5000	< 0.5000	09/24/2014-09/03/2025	25	0.4893
Thallium, total	ug/L	MW-48	09/03/2025	0.5000	< 0.5000	09/24/2014-09/03/2025	25	0.4893
Thallium, total	ug/L	MW-78	09/03/2025	0.5000	< 0.5000	09/24/2014-09/03/2025	25	0.4893
Vanadium, total	ug/L	MW-39	09/03/2025	2.0000	< 2.0000	09/24/2014-09/03/2025	25	0.4893
Vanadium, total	ug/L	MW-48	09/03/2025	2.0000	< 2.0000	09/24/2014-09/03/2025	25	0.4893
Vanadium, total	ug/L	MW-78	09/03/2025	2.0000	< 2.0000	09/24/2014-09/03/2025	25	0.4893

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
Barium, total	ug/L	MW-62R	09/28/2010		775.0000	*	357.0000
Barium, total	ug/L	MW-62R	12/22/2010		805.0000	*	357.0000
Barium, total	ug/L	MW-62R	03/23/2011		688.0000	*	357.0000
Barium, total	ug/L	MW-62R	05/17/2011		716.0000	*	357.0000
Barium, total	ug/L	MW-62R	07/14/2011		615.0000	*	357.0000
Barium, total	ug/L	MW-62R	09/08/2011		706.0000	*	357.0000
Barium, total	ug/L	MW-62R	03/09/2012		651.0000	*	357.0000
Barium, total	ug/L	MW-62R	09/25/2012		612.0000	*	357.0000
Barium, total	ug/L	MW-62R	03/15/2013		685.0000	*	357.0000
Barium, total	ug/L	MW-62R	09/24/2013		925.0000	*	357.0000
Barium, total	ug/L	MW-62R	03/25/2014		706.0000	*	357.0000
Barium, total	ug/L	MW-62R	09/24/2014		833.0000	*	357.0000
Barium, total	ug/L	MW-62R	03/11/2015		773.0000	*	357.0000
Barium, total	ug/L	MW-62R	09/16/2015		802.0000	*	357.0000
Barium, total	ug/L	MW-62R	03/22/2016		817.0000	*	357.0000
Barium, total	ug/L	MW-62R	09/15/2016		784.0000	*	357.0000
Barium, total	ug/L	MW-62R	03/23/2017		831.0000	*	357.0000
Barium, total	ug/L	MW-62R	09/08/2017		864.0000	*	357.0000
Barium, total	ug/L	MW-62R	03/19/2018		858.0000	*	357.0000
Barium, total	ug/L	MW-62R	09/11/2018		816.0000	*	357.0000
Barium, total	ug/L	MW-62R	03/26/2019		891.0000	*	357.0000
Barium, total	ug/L	MW-62R	09/04/2019		917.0000	*	357.0000
Barium, total	ug/L	MW-62R	03/26/2020		1060.0000	*	357.0000
Barium, total	ug/L	MW-62R	09/15/2020		1070.0000	*	357.0000
Barium, total	ug/L	MW-62R	03/02/2021		1010.0000	*	357.0000
Barium, total	ug/L	MW-62R	09/07/2021		1060.0000	*	357.0000
Barium, total	ug/L	MW-62R	03/24/2022		1020.0000	*	357.0000
Barium, total	ug/L	MW-62R	08/31/2022		1060.0000	*	357.0000
Barium, total	ug/L	MW-62R	03/02/2023		1170.0000	*	357.0000
Barium, total	ug/L	MW-62R	09/12/2023		1050.0000	*	357.0000
Barium, total	ug/L	MW-62R	03/04/2024		1010.0000	*	357.0000
Barium, total	ug/L	MW-62R	09/23/2024		945.0000	*	357.0000
Barium, total	ug/L	MW-62R	03/12/2025		946.0000	*	357.0000
Barium, total	ug/L	MW-62R	09/03/2025		1130.0000	*	357.0000
Copper, total	ug/L	MW-59	09/27/2010		5.4000	*	4.0000
Copper, total	ug/L	MW-59	03/23/2011		8.1000	*	4.0000
Copper, total	ug/L	MW-59	09/08/2011		27.8000	*	4.0000
Copper, total	ug/L	MW-59	03/09/2012		6.3000	*	4.0000
Copper, total	ug/L	MW-59	09/25/2012		4.9000	*	4.0000
Copper, total	ug/L	MW-59	03/15/2013	ND	4.0000		4.0000
Copper, total	ug/L	MW-59	09/24/2013		6.3000	*	4.0000
Copper, total	ug/L	MW-59	03/25/2014		4.4000	*	4.0000
Copper, total	ug/L	MW-59	09/24/2014		4.4000	*	4.0000
Copper, total	ug/L	MW-59	03/11/2015	ND	4.0000		4.0000
Copper, total	ug/L	MW-59	09/17/2015	ND	4.0000		4.0000
Copper, total	ug/L	MW-59	03/22/2016		4.7000	*	4.0000
Copper, total	ug/L	MW-59	09/15/2016	ND	4.0000		4.0000
Copper, total	ug/L	MW-59	03/23/2017	ND	4.0000		4.0000
Copper, total	ug/L	MW-59	09/08/2017	ND	4.0000		4.0000
Copper, total	ug/L	MW-59	03/19/2018		4.8000	*	4.0000
Copper, total	ug/L	MW-59	06/05/2018	ND	4.0000		4.0000
Copper, total	ug/L	MW-59	09/11/2018		4.6000	*	4.0000
Copper, total	ug/L	MW-59	12/05/2018		4.1000	*	4.0000
Copper, total	ug/L	MW-59	03/26/2019		5.5000	*	4.0000
Copper, total	ug/L	MW-59	09/04/2019	ND	4.0000		4.0000
Copper, total	ug/L	MW-59	03/26/2020		6.9000	*	4.0000
Copper, total	ug/L	MW-59	09/15/2020	ND	4.0000		4.0000
Copper, total	ug/L	MW-59	03/02/2021	ND	4.0000		4.0000
Copper, total	ug/L	MW-59	09/07/2021	ND	4.0000		4.0000
Copper, total	ug/L	MW-59	03/24/2022		8.2000	*	4.0000
Copper, total	ug/L	MW-59	08/31/2022		6.0000	*	4.0000
Copper, total	ug/L	MW-59	03/02/2023		6.8000	*	4.0000
Copper, total	ug/L	MW-59	09/12/2023	ND	4.0000		4.0000
Copper, total	ug/L	MW-59	03/04/2024	ND	4.0000		4.0000
Copper, total	ug/L	MW-59	09/23/2024	ND	4.0000		4.0000
Copper, total	ug/L	MW-59	03/12/2025		6.7000	*	4.0000
Copper, total	ug/L	MW-59	09/03/2025	ND	5.0000		4.0000
Copper, total	ug/L	MW-60	09/28/2010		4.4000	*	4.0000
Copper, total	ug/L	MW-60	03/23/2011		11.7000	*	4.0000
Copper, total	ug/L	MW-60	09/08/2011	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	03/09/2012		7.2000	*	4.0000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result		Pred. Limit
Copper, total	ug/L	MW-60	09/25/2012		6.5000	*	4.0000
Copper, total	ug/L	MW-60	03/15/2013	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	09/24/2013	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	03/25/2014		4.4000	*	4.0000
Copper, total	ug/L	MW-60	09/24/2014	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	03/11/2015	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	09/17/2015	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	03/22/2016	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	09/15/2016	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	03/23/2017	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	09/08/2017	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	03/19/2018	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	09/11/2018	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	03/26/2019	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	09/04/2019	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	03/26/2020	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	09/15/2020	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	03/02/2021	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	09/07/2021	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	03/24/2022	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	08/31/2022		10.3000	*	4.0000
Copper, total	ug/L	MW-60	03/02/2023	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	09/12/2023	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	03/04/2024	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	09/23/2024	ND	4.0000		4.0000
Copper, total	ug/L	MW-60	03/12/2025		4.5000	*	4.0000
Copper, total	ug/L	MW-60	09/03/2025	ND	5.0000		4.0000
Copper, total	ug/L	MW-61	09/28/2010		5.8000	*	4.0000
Copper, total	ug/L	MW-61	03/23/2011	ND	5.0000		4.0000
Copper, total	ug/L	MW-61	09/08/2011	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	03/09/2012	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	09/25/2012	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	03/15/2013	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	09/25/2013		10.5000	*	4.0000
Copper, total	ug/L	MW-61	03/25/2014		4.2000	*	4.0000
Copper, total	ug/L	MW-61	09/24/2014	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	03/11/2015	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	09/17/2015		13.1000	*	4.0000
Copper, total	ug/L	MW-61	12/17/2015	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	03/22/2016	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	09/15/2016	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	03/23/2017	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	09/08/2017	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	03/19/2018	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	09/11/2018	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	03/26/2019	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	09/04/2019	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	03/26/2020	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	09/15/2020	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	03/02/2021	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	09/07/2021	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	03/24/2022	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	08/31/2022	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	03/02/2023	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	09/12/2023	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	03/04/2024	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	09/23/2024		5.0000	*	4.0000
Copper, total	ug/L	MW-61	03/12/2025	ND	4.0000		4.0000
Copper, total	ug/L	MW-61	09/03/2025		6.5000	*	4.0000
Copper, total	ug/L	SW-102	03/19/2018	ND	4.0000		4.0000
Copper, total	ug/L	SW-102	09/11/2018	ND	4.0000		4.0000
Copper, total	ug/L	SW-102	03/26/2019	ND	4.0000		4.0000
Copper, total	ug/L	SW-102	09/04/2019	ND	4.0000		4.0000
Copper, total	ug/L	SW-102	03/26/2020	ND	4.0000		4.0000
Copper, total	ug/L	SW-102	09/15/2020	ND	4.0000		4.0000
Copper, total	ug/L	SW-102	03/02/2021	ND	4.0000		4.0000
Copper, total	ug/L	SW-102	09/07/2021	ND	4.0000		4.0000
Copper, total	ug/L	SW-102	03/24/2022	ND	4.0000		4.0000
Copper, total	ug/L	SW-102	03/02/2023	ND	4.0000		4.0000
Copper, total	ug/L	SW-102	03/04/2024	ND	4.0000		4.0000
Copper, total	ug/L	SW-102	09/23/2024	ND	4.0000		4.0000

* - 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	SW-102	03/12/2025	ND	4.0000	4.0000
Copper, total	ug/L	SW-102	09/03/2025		7.8000 *	4.0000
Nickel, total	ug/L	MW-58	09/27/2010		13.2000 *	8.7000
Nickel, total	ug/L	MW-58	03/23/2011		67.5000 *	8.7000
Nickel, total	ug/L	MW-58	09/08/2011		17.6000 *	8.7000
Nickel, total	ug/L	MW-58	03/09/2012		31.4000 *	8.7000
Nickel, total	ug/L	MW-58	09/25/2012		24.1000 *	8.7000
Nickel, total	ug/L	MW-58	03/15/2013		12.4000 *	8.7000
Nickel, total	ug/L	MW-58	09/25/2013		17.2000 *	8.7000
Nickel, total	ug/L	MW-58	03/25/2014		12.8000 *	8.7000
Nickel, total	ug/L	MW-58	09/24/2014		6.5000 *	8.7000
Nickel, total	ug/L	MW-58	03/11/2015		8.7000 *	8.7000
Nickel, total	ug/L	MW-58	09/17/2015		12.8000 *	8.7000
Nickel, total	ug/L	MW-58	03/22/2016		21.2000 *	8.7000
Nickel, total	ug/L	MW-58	09/15/2016		13.3000 *	8.7000
Nickel, total	ug/L	MW-58	03/23/2017		23.8000 *	8.7000
Nickel, total	ug/L	MW-58	09/08/2017		21.1000 *	8.7000
Nickel, total	ug/L	MW-58	03/19/2018		25.5000 *	8.7000
Nickel, total	ug/L	MW-58	09/11/2018		18.4000 *	8.7000
Nickel, total	ug/L	MW-58	12/05/2018		18.4000 *	8.7000
Nickel, total	ug/L	MW-58	03/26/2019		22.9000 *	8.7000
Nickel, total	ug/L	MW-58	09/04/2019		4.3000 *	8.7000
Nickel, total	ug/L	MW-58	03/26/2020		19.9000 *	8.7000
Nickel, total	ug/L	MW-58	09/15/2020		17.7000 *	8.7000
Nickel, total	ug/L	MW-58	03/02/2021		14.7000 *	8.7000
Nickel, total	ug/L	MW-58	09/07/2021		16.3000 *	8.7000
Nickel, total	ug/L	MW-58	03/24/2022		18.3000 *	8.7000
Nickel, total	ug/L	MW-58	08/31/2022		14.7000 *	8.7000
Nickel, total	ug/L	MW-58	03/02/2023		15.5000 *	8.7000
Nickel, total	ug/L	MW-58	09/12/2023		13.9000 *	8.7000
Nickel, total	ug/L	MW-58	03/04/2024		16.7000 *	8.7000
Nickel, total	ug/L	MW-58	09/23/2024		12.6000 *	8.7000
Nickel, total	ug/L	MW-58	03/12/2025		14.2000 *	8.7000
Nickel, total	ug/L	MW-58	09/03/2025		13.1000 *	8.7000
Nickel, total	ug/L	MW-60	09/28/2010		16.9000 *	8.7000
Nickel, total	ug/L	MW-60	03/23/2011		19.7000 *	8.7000
Nickel, total	ug/L	MW-60	09/08/2011		21.4000 *	8.7000
Nickel, total	ug/L	MW-60	03/09/2012		24.4000 *	8.7000
Nickel, total	ug/L	MW-60	09/25/2012		18.0000 *	8.7000
Nickel, total	ug/L	MW-60	03/15/2013		6.8000 *	8.7000
Nickel, total	ug/L	MW-60	09/24/2013		26.6000 *	8.7000
Nickel, total	ug/L	MW-60	03/25/2014		14.6000 *	8.7000
Nickel, total	ug/L	MW-60	09/24/2014		7.0000 *	8.7000
Nickel, total	ug/L	MW-60	03/11/2015	ND	4.0000 *	8.7000
Nickel, total	ug/L	MW-60	09/17/2015		13.6000 *	8.7000
Nickel, total	ug/L	MW-60	12/17/2015	ND	4.0000 *	8.7000
Nickel, total	ug/L	MW-60	03/22/2016		7.9000 *	8.7000
Nickel, total	ug/L	MW-60	09/15/2016		17.3000 *	8.7000
Nickel, total	ug/L	MW-60	03/23/2017	ND	4.0000 *	8.7000
Nickel, total	ug/L	MW-60	09/08/2017		7.5000 *	8.7000
Nickel, total	ug/L	MW-60	03/19/2018	ND	4.0000 *	8.7000
Nickel, total	ug/L	MW-60	09/11/2018	ND	4.0000 *	8.7000
Nickel, total	ug/L	MW-60	03/26/2019		15.2000 *	8.7000
Nickel, total	ug/L	MW-60	09/04/2019		24.8000 *	8.7000
Nickel, total	ug/L	MW-60	03/26/2020		19.4000 *	8.7000
Nickel, total	ug/L	MW-60	09/15/2020		34.4000 *	8.7000
Nickel, total	ug/L	MW-60	03/02/2021		22.0000 *	8.7000
Nickel, total	ug/L	MW-60	09/07/2021		30.1000 *	8.7000
Nickel, total	ug/L	MW-60	03/24/2022		18.2000 *	8.7000
Nickel, total	ug/L	MW-60	08/31/2022		45.7000 *	8.7000
Nickel, total	ug/L	MW-60	03/02/2023		11.5000 *	8.7000
Nickel, total	ug/L	MW-60	09/12/2023		26.4000 *	8.7000
Nickel, total	ug/L	MW-60	03/04/2024	ND	4.0000 *	8.7000
Nickel, total	ug/L	MW-60	09/23/2024		29.2000 *	8.7000
Nickel, total	ug/L	MW-60	03/12/2025		5.3000 *	8.7000
Nickel, total	ug/L	MW-60	09/03/2025		15.2000 *	8.7000

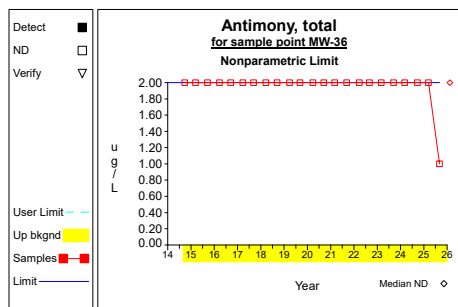
* - Significantly increased over background.

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

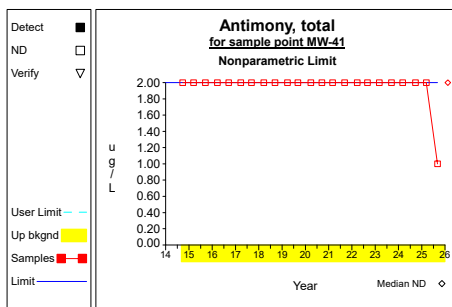
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

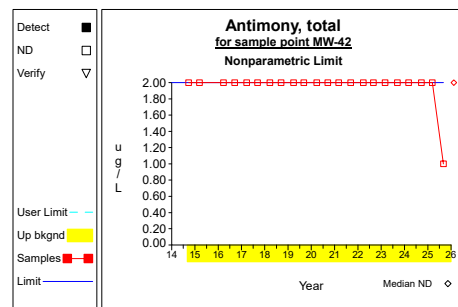
Up vs. Down Prediction Limits



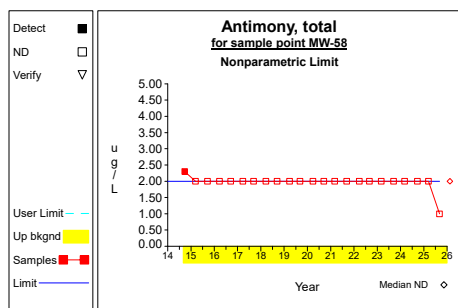
Graph 1



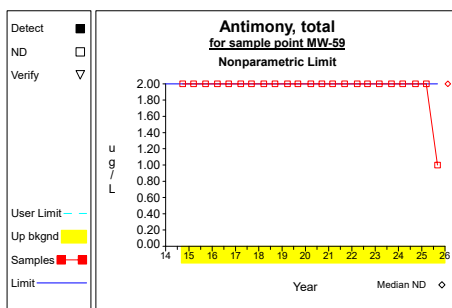
Graph 2



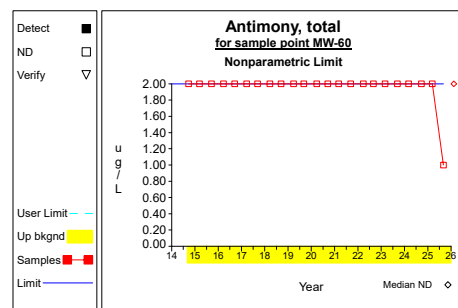
Graph 3



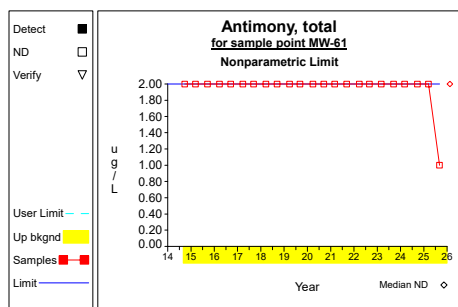
Graph 4



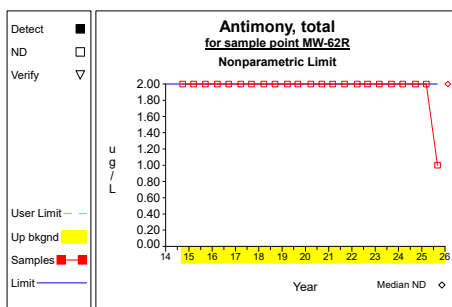
Graph 5



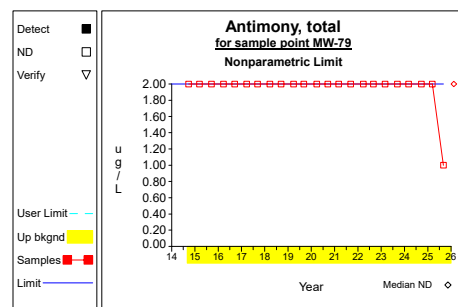
Graph 6



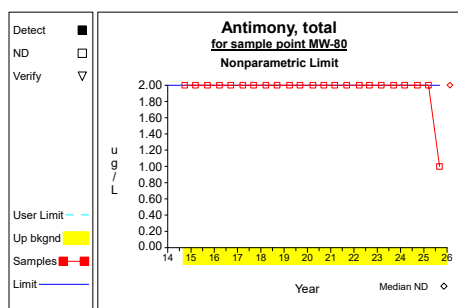
Graph 7



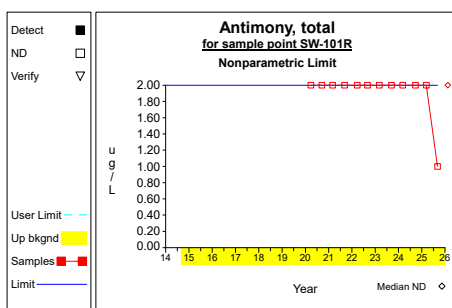
Graph 8



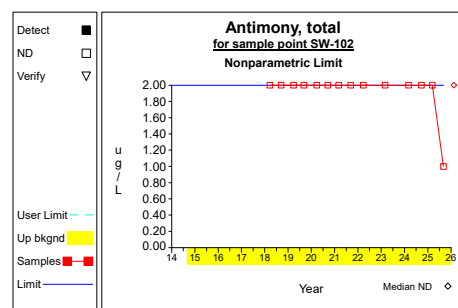
Graph 9



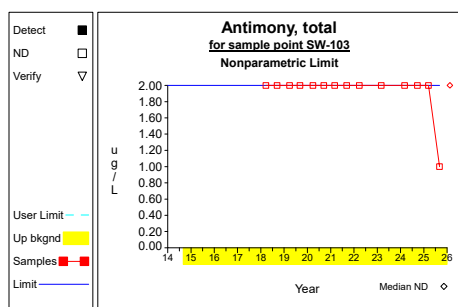
Graph 10



Graph 11

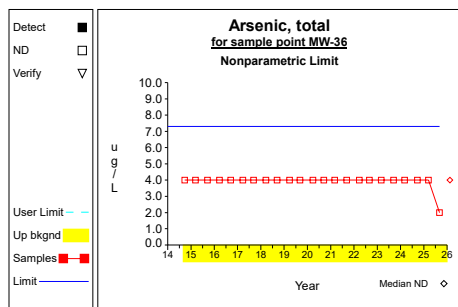


Graph 12

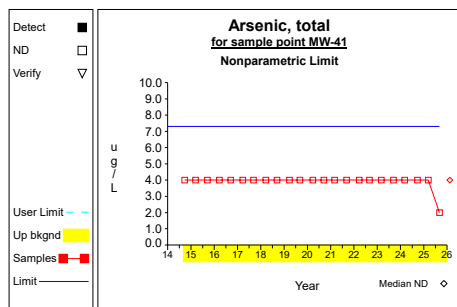


Graph 13

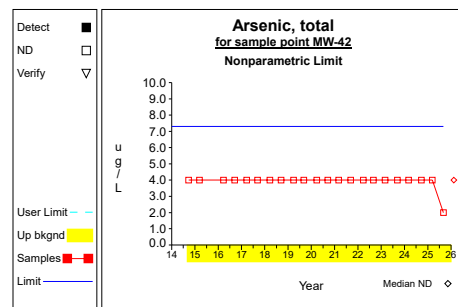
Up vs. Down Prediction Limits



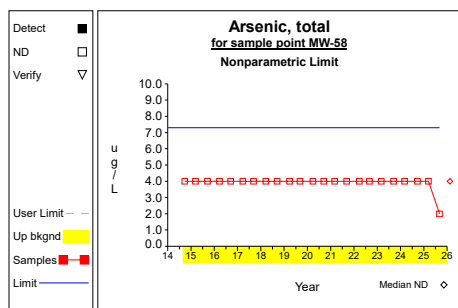
Graph 14



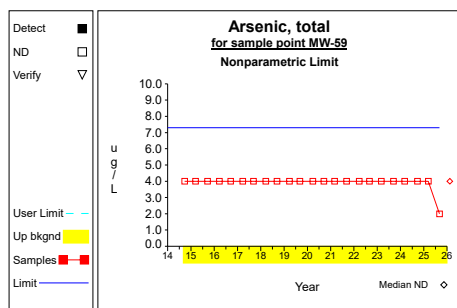
Graph 15



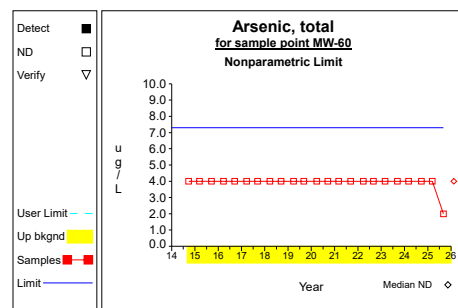
Graph 16



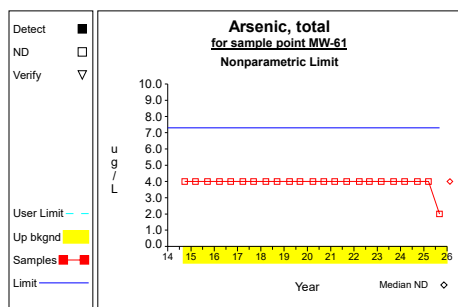
Graph 17



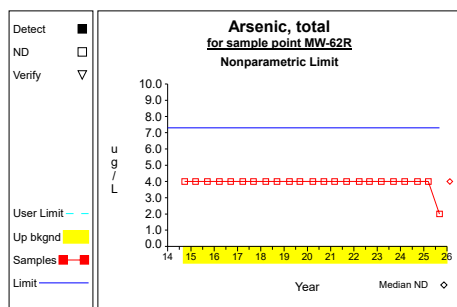
Graph 18



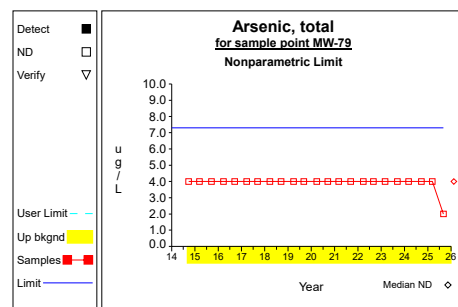
Graph 19



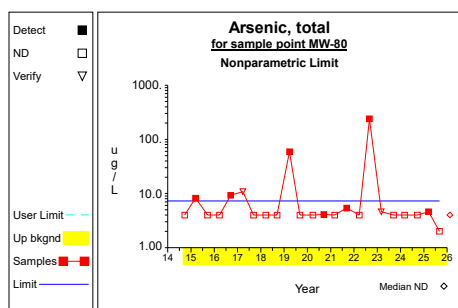
Graph 20



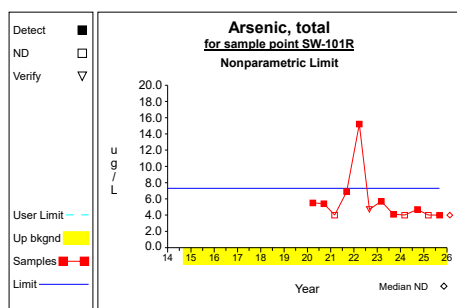
Graph 21



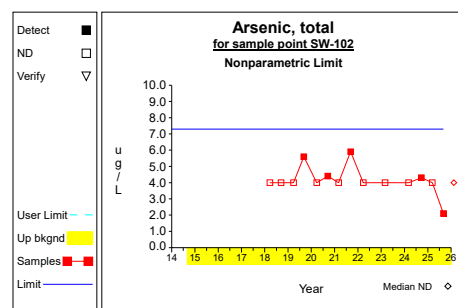
Graph 22



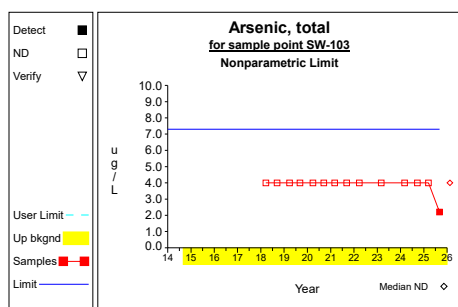
Graph 23



Graph 24

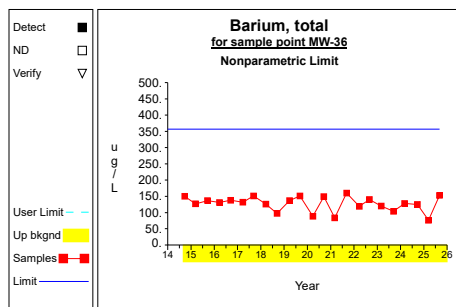


Graph 25

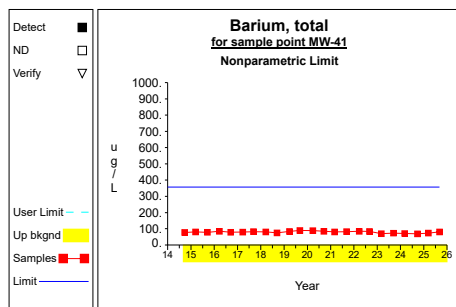


Graph 26

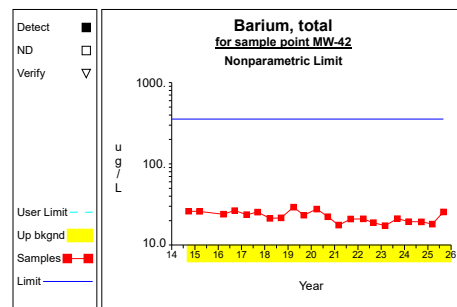
Up vs. Down Prediction Limits



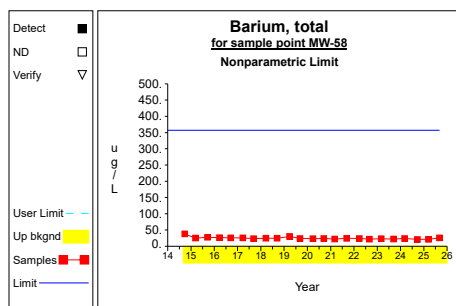
Graph 27



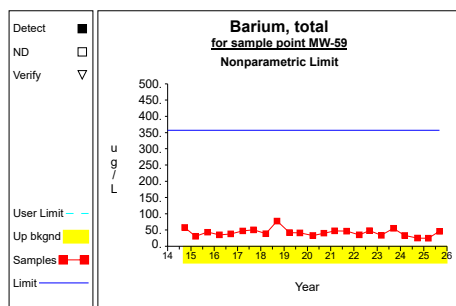
Graph 28



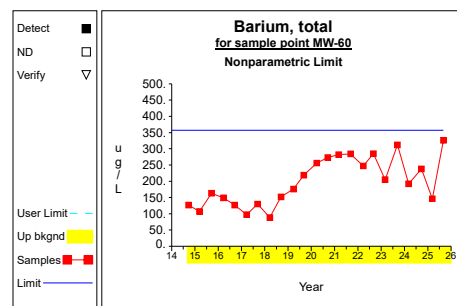
Graph 29



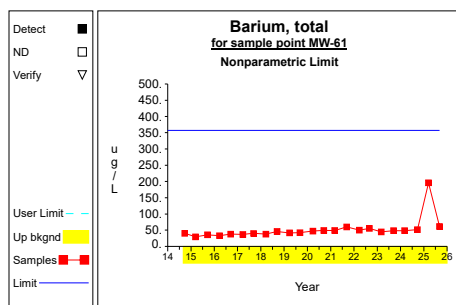
Graph 30



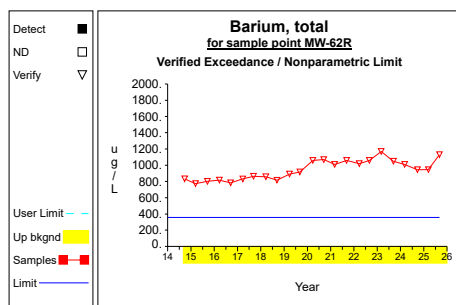
Graph 31



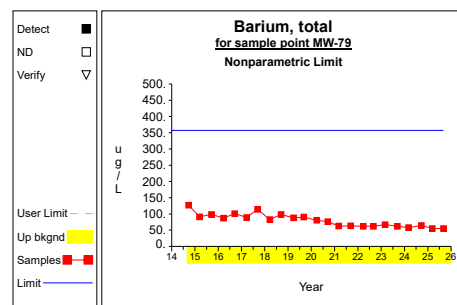
Graph 32



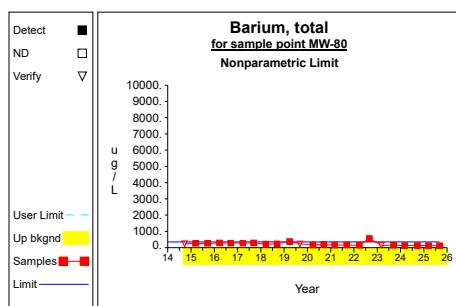
Graph 33



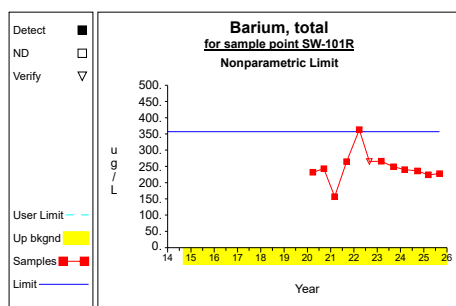
Graph 34



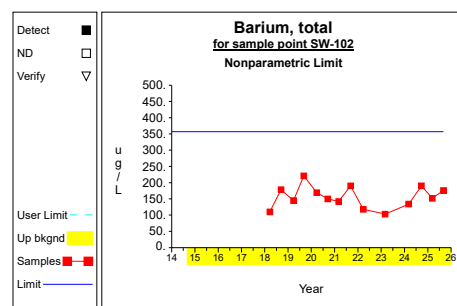
Graph 35



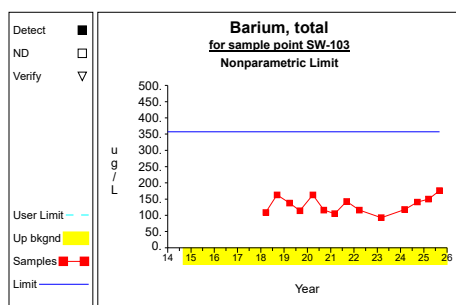
Graph 36



Graph 37

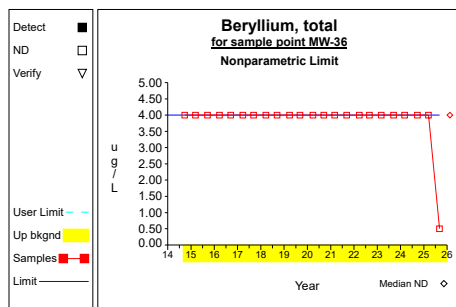


Graph 38

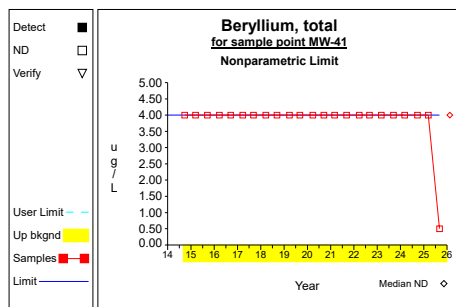


Graph 39

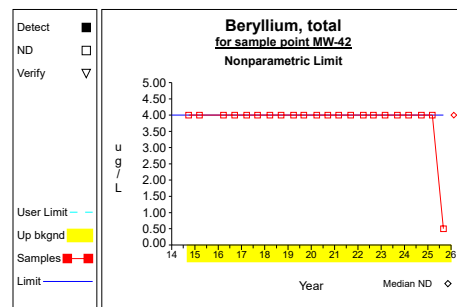
Up vs. Down Prediction Limits



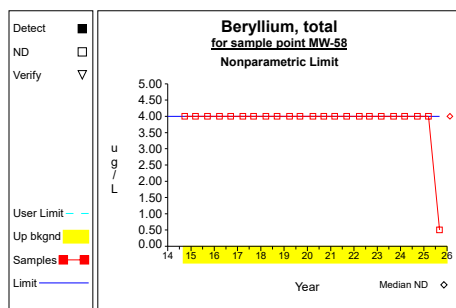
Graph 40



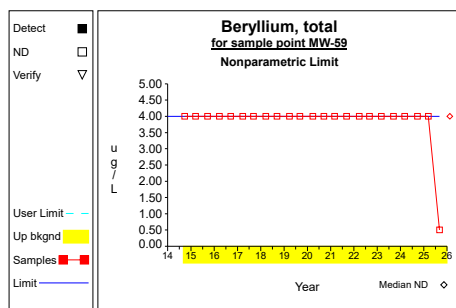
Graph 41



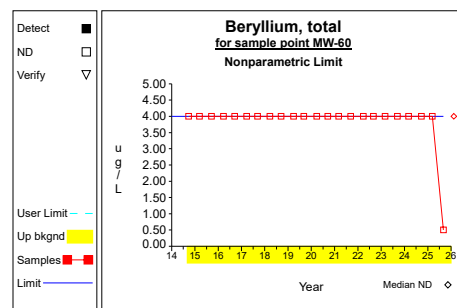
Graph 42



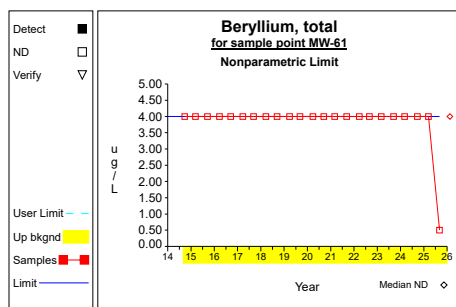
Graph 43



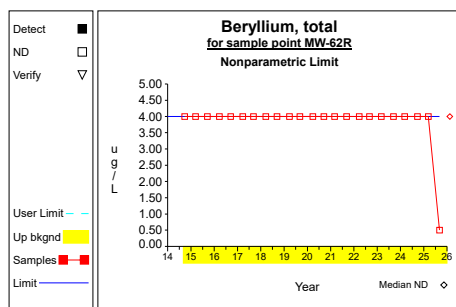
Graph 44



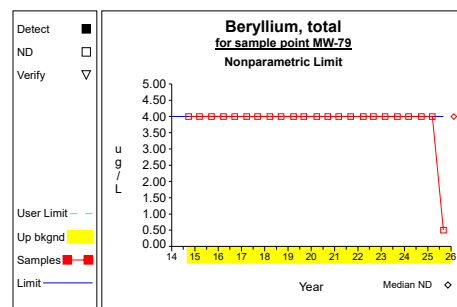
Graph 45



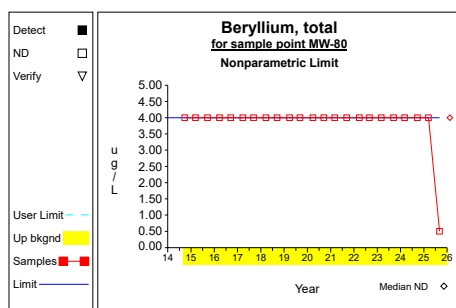
Graph 46



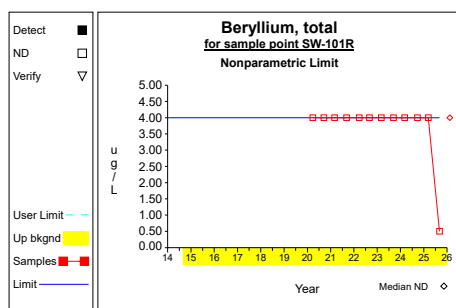
Graph 47



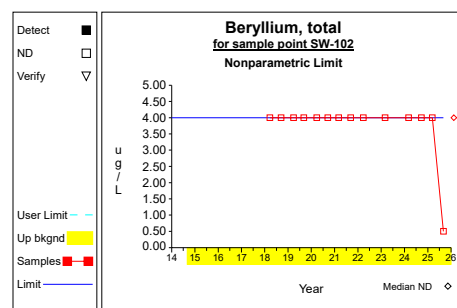
Graph 48



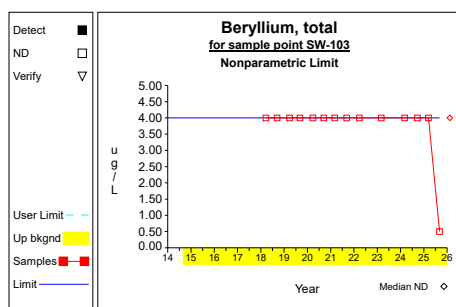
Graph 49



Graph 50

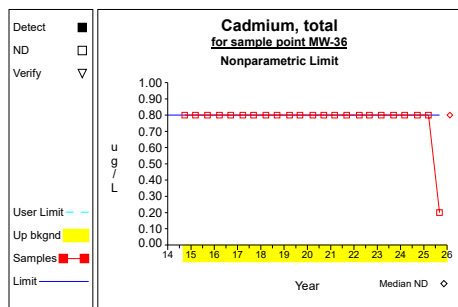


Graph 51

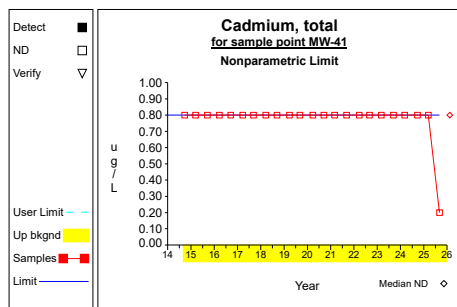


Graph 52

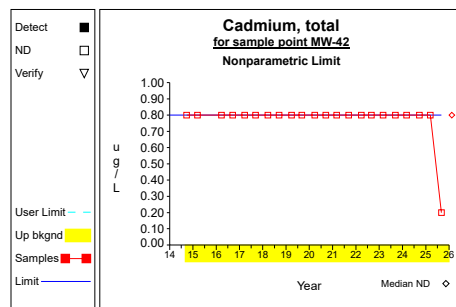
Up vs. Down Prediction Limits



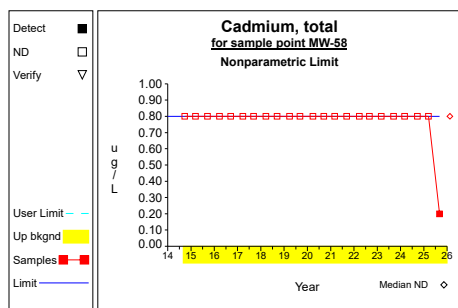
Graph 53



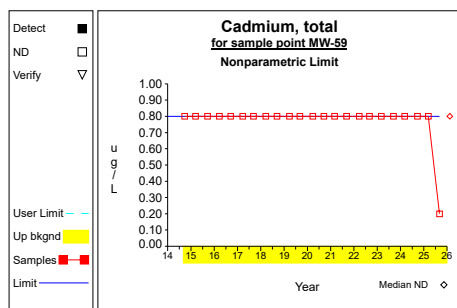
Graph 54



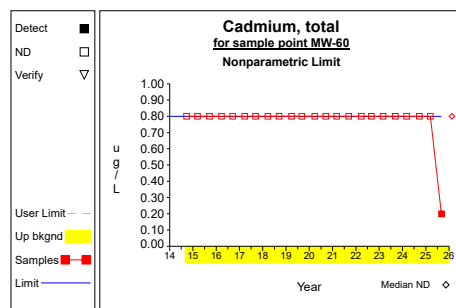
Graph 55



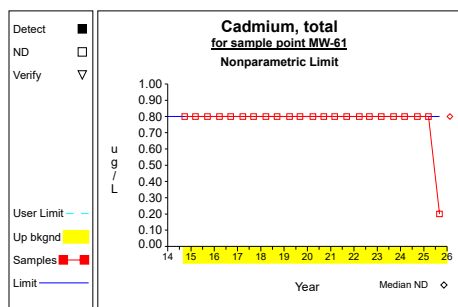
Graph 56



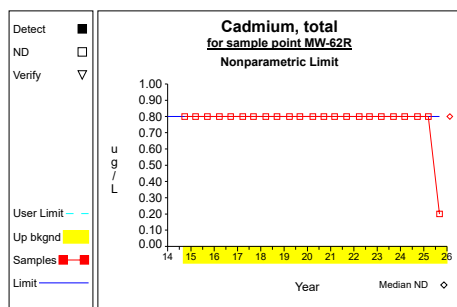
Graph 57



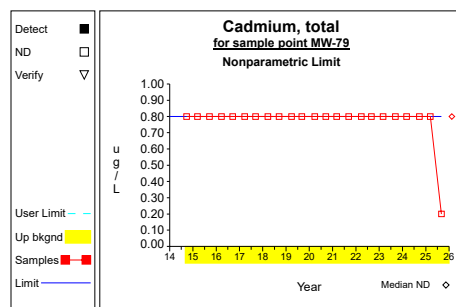
Graph 58



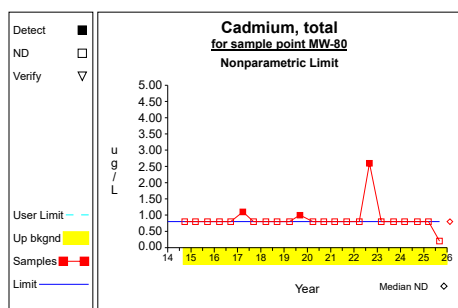
Graph 59



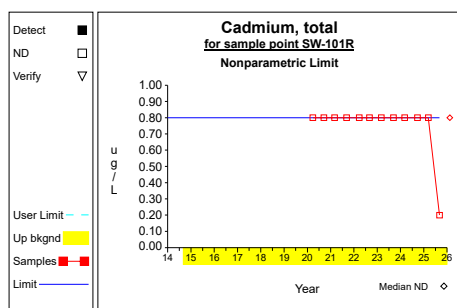
Graph 60



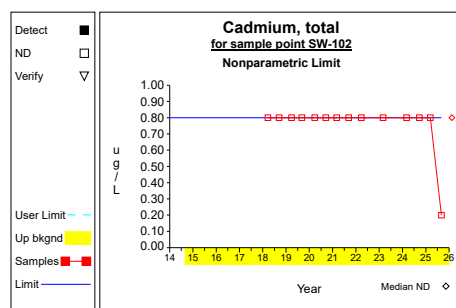
Graph 61



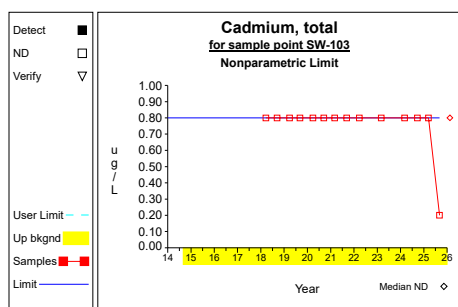
Graph 62



Graph 63

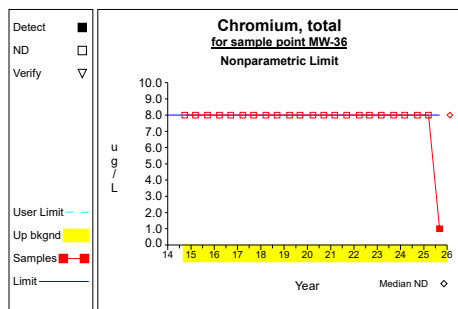


Graph 64

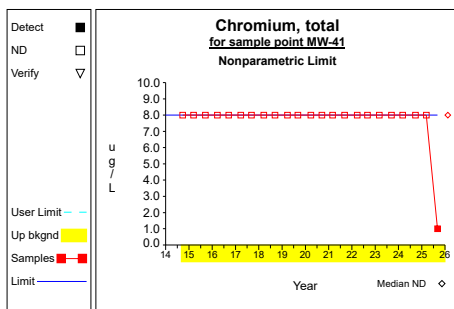


Graph 65

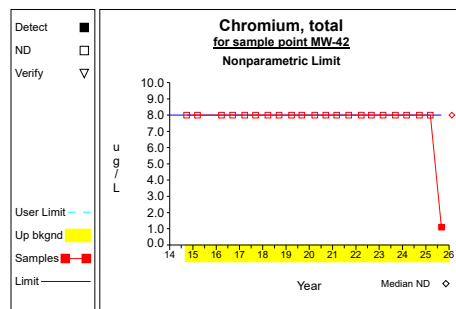
Up vs. Down Prediction Limits



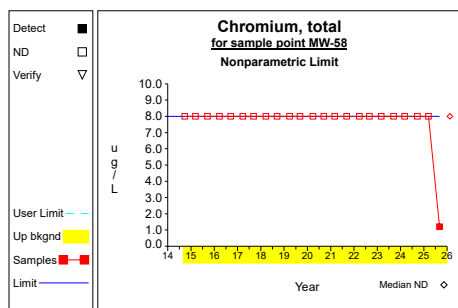
Graph 66



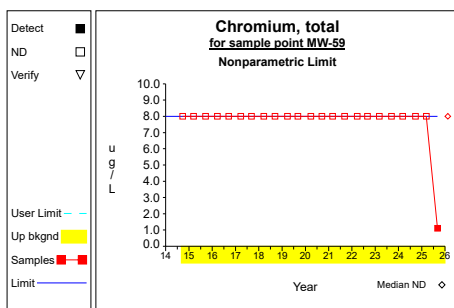
Graph 67



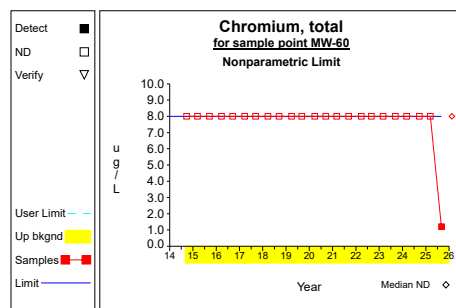
Graph 68



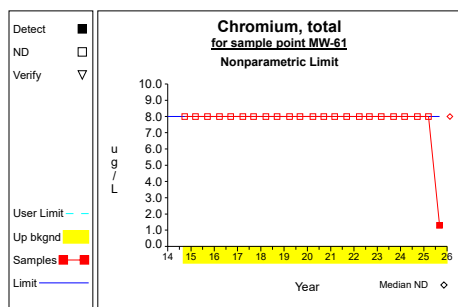
Graph 69



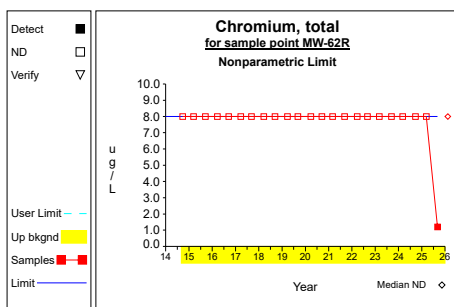
Graph 70



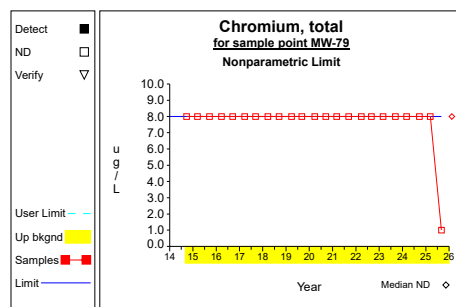
Graph 71



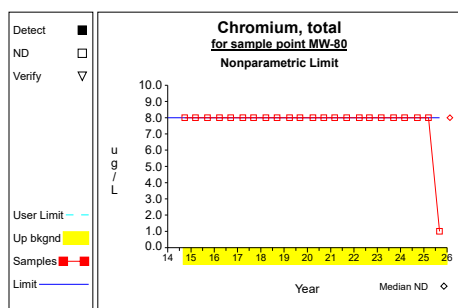
Graph 72



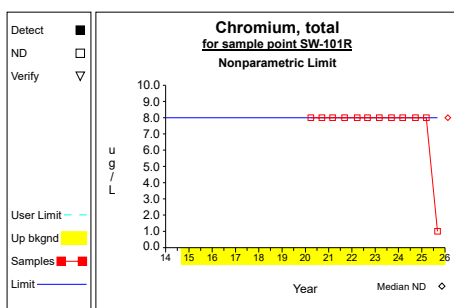
Graph 73



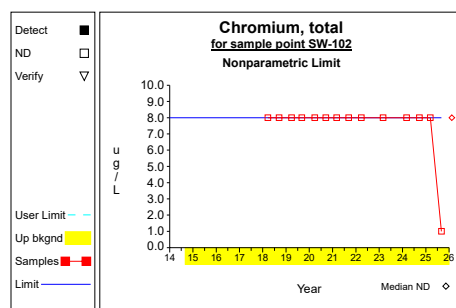
Graph 74



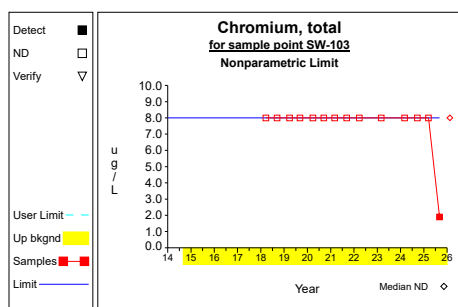
Graph 75



Graph 76

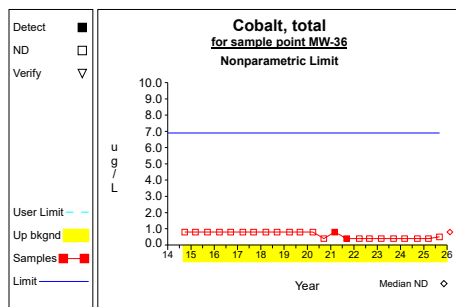


Graph 77

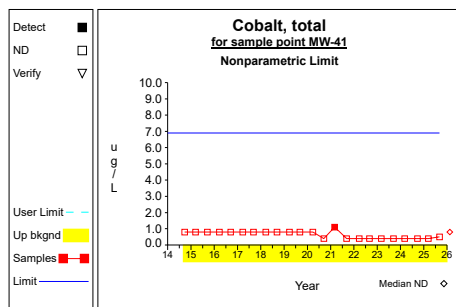


Graph 78

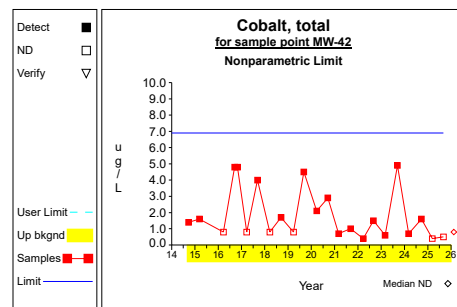
Up vs. Down Prediction Limits



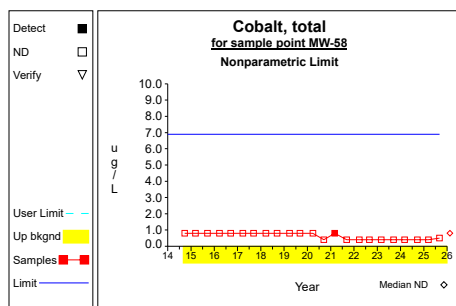
Graph 79



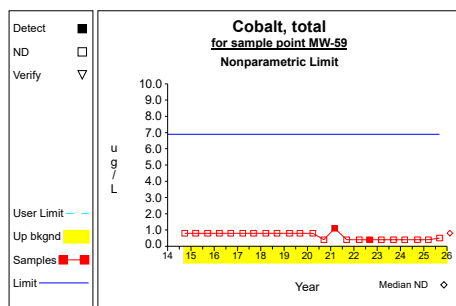
Graph 80



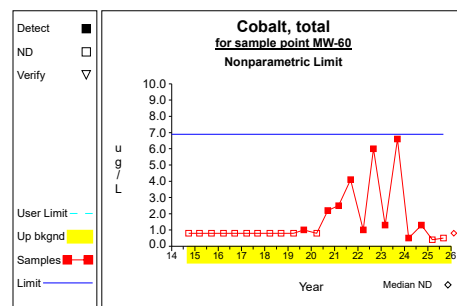
Graph 81



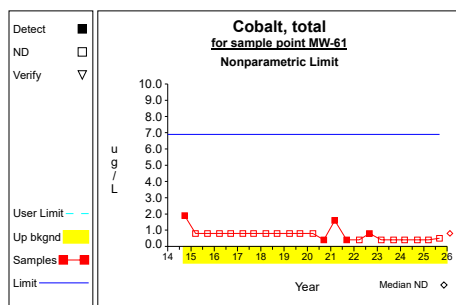
Graph 82



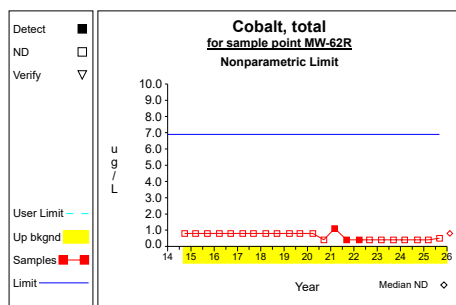
Graph 83



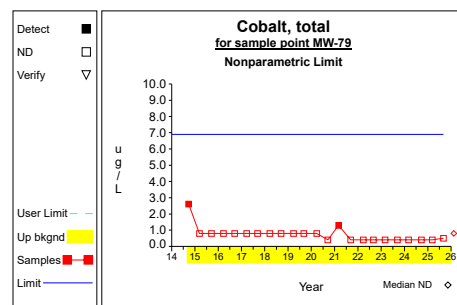
Graph 84



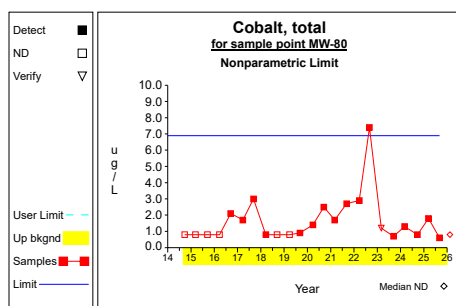
Graph 85



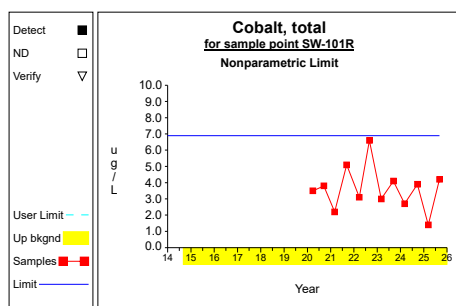
Graph 86



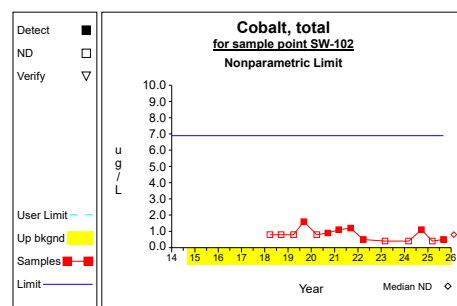
Graph 87



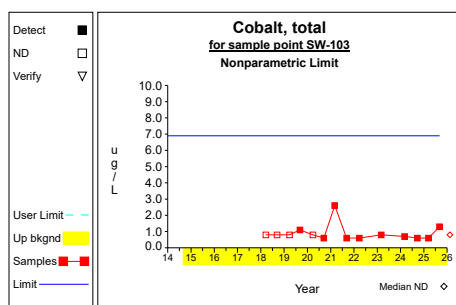
Graph 88



Graph 89

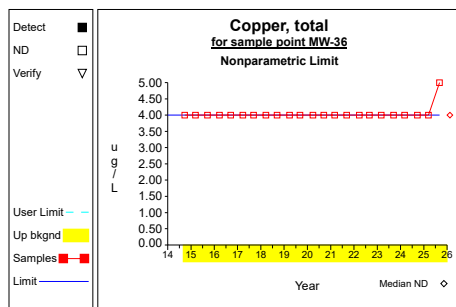


Graph 90

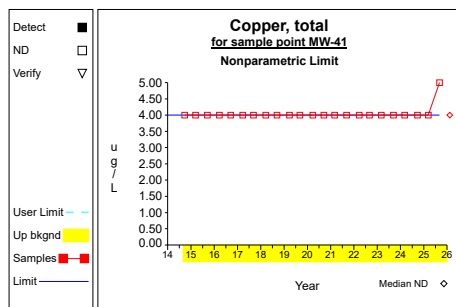


Graph 91

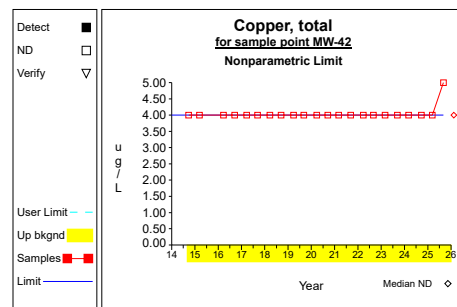
Up vs. Down Prediction Limits



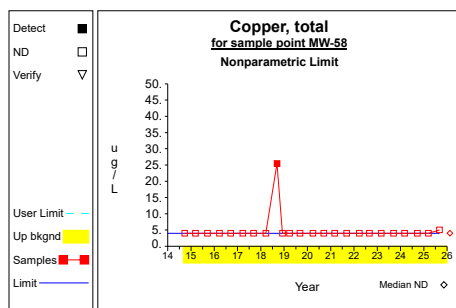
Graph 92



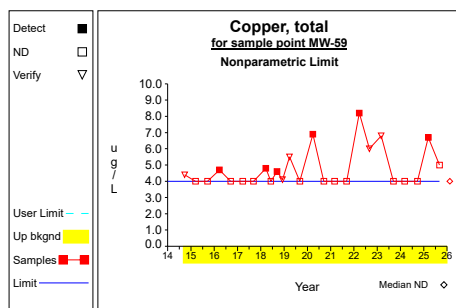
Graph 93



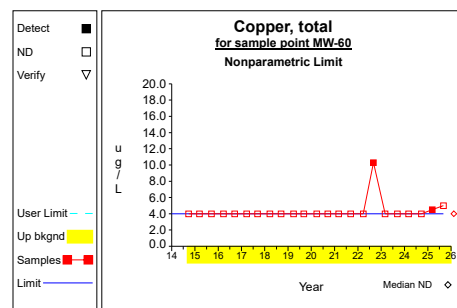
Graph 94



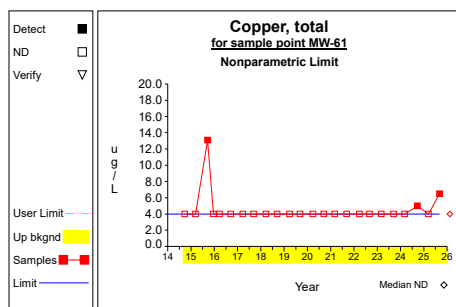
Graph 95



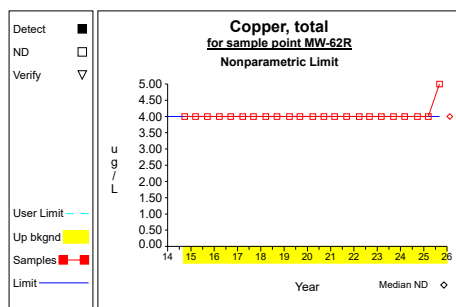
Graph 96



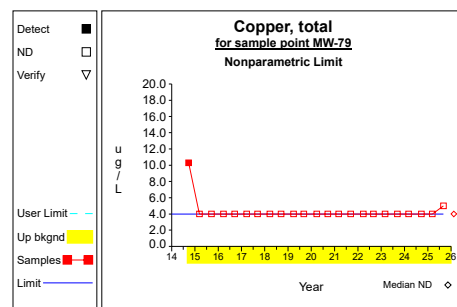
Graph 97



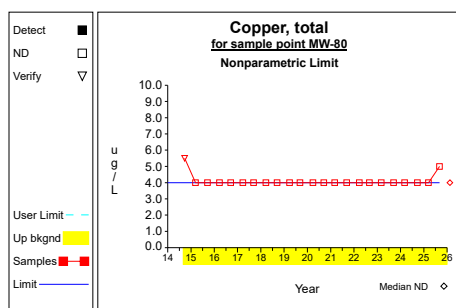
Graph 98



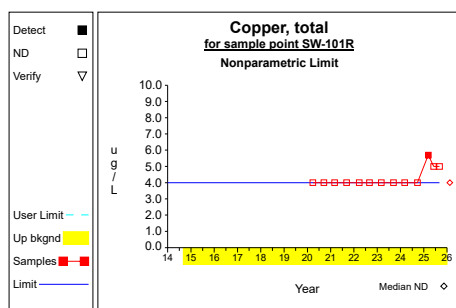
Graph 99



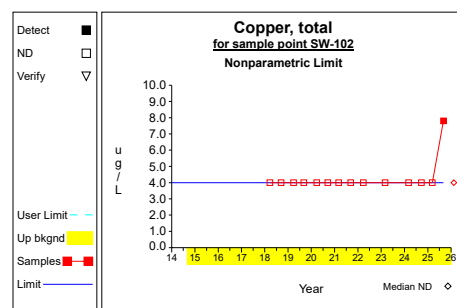
Graph 100



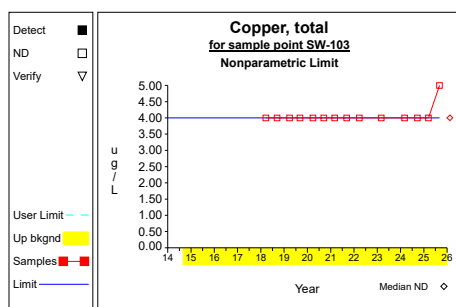
Graph 101



Graph 102

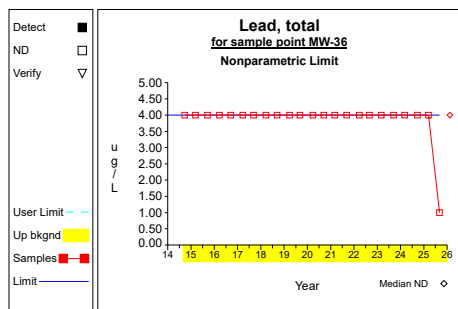


Graph 103

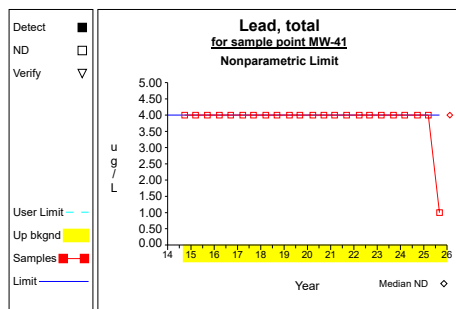


Graph 104

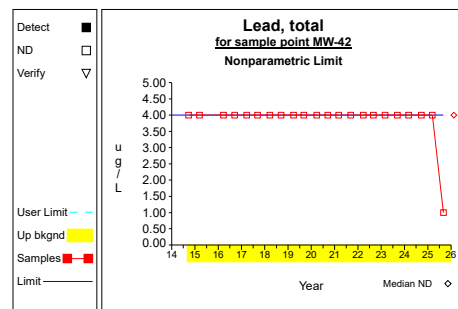
Up vs. Down Prediction Limits



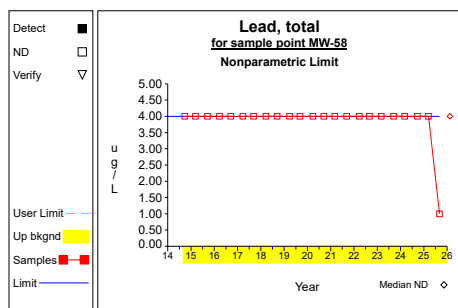
Graph 105



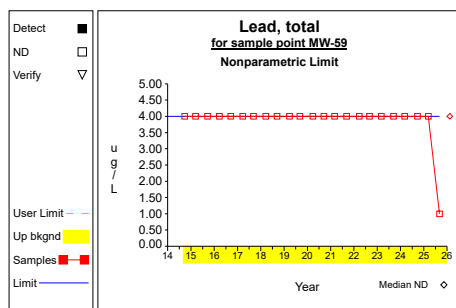
Graph 106



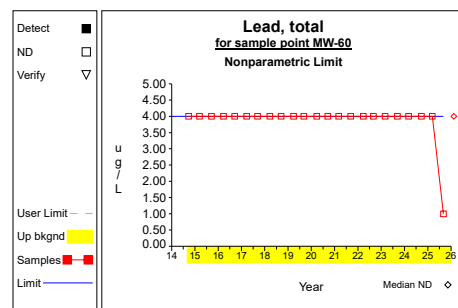
Graph 107



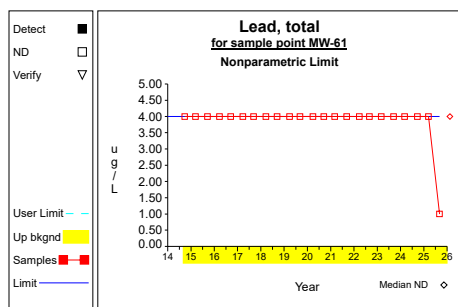
Graph 108



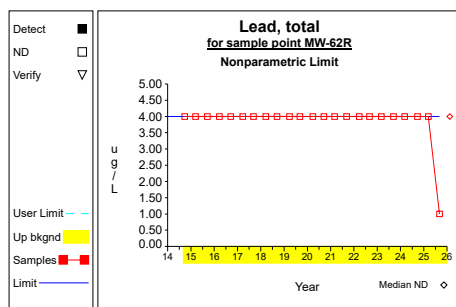
Graph 109



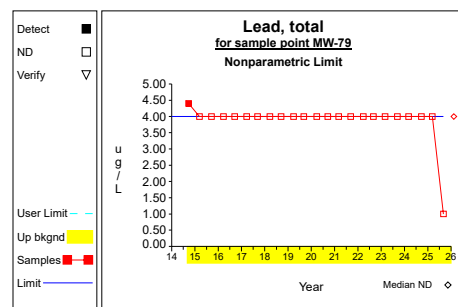
Graph 110



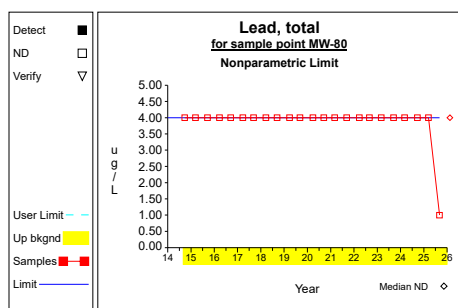
Graph 111



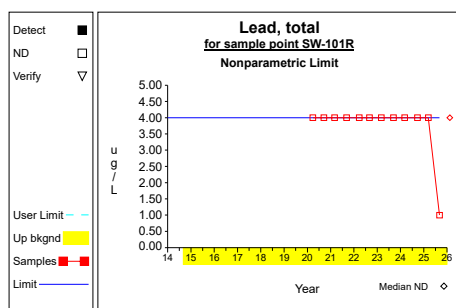
Graph 112



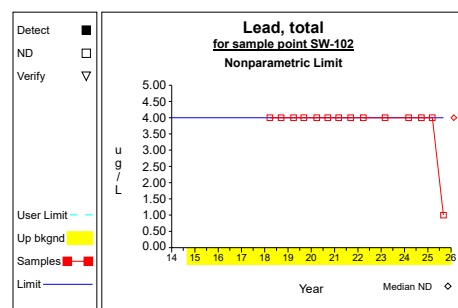
Graph 113



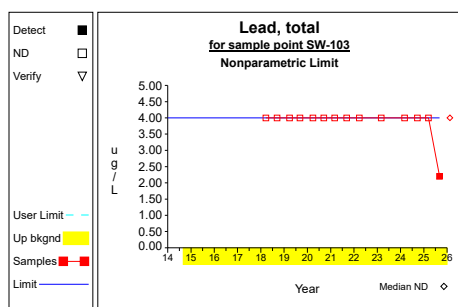
Graph 114



Graph 115

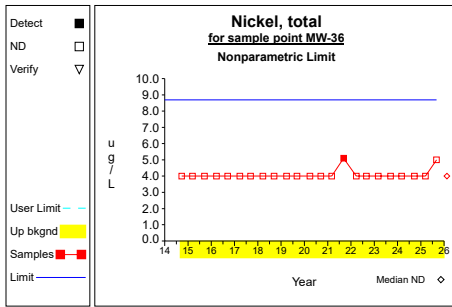


Graph 116

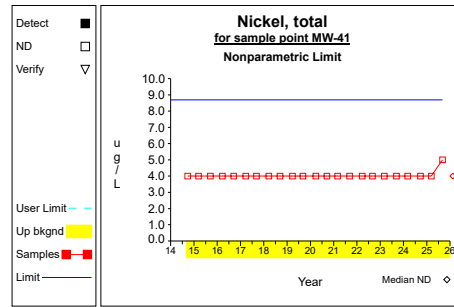


Graph 117

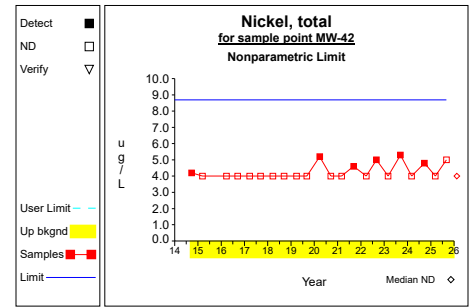
Up vs. Down Prediction Limits



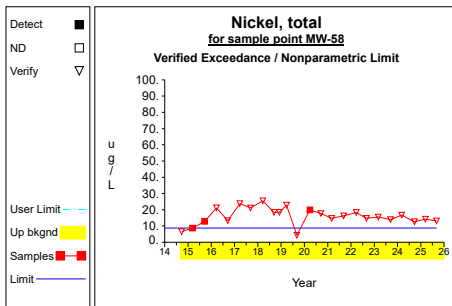
Graph 118



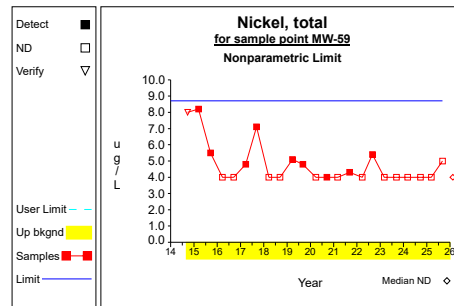
Graph 119



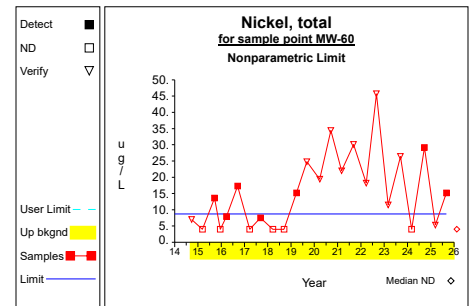
Graph 120



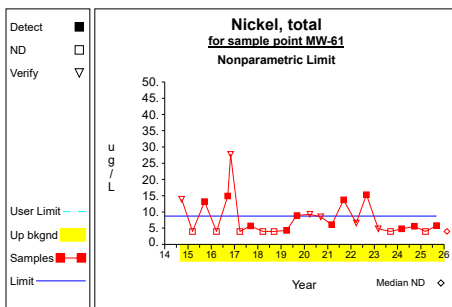
Graph 121



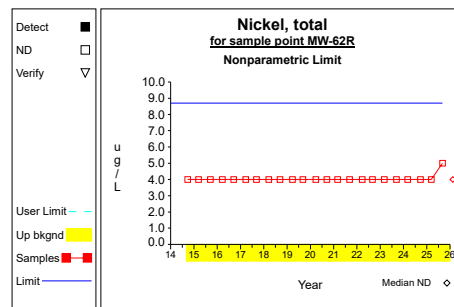
Graph 122



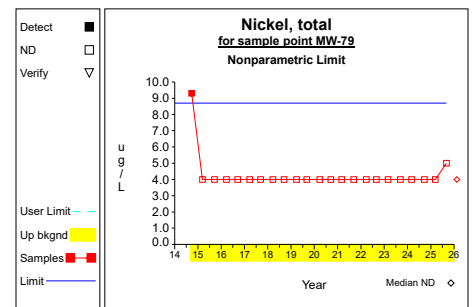
Graph 123



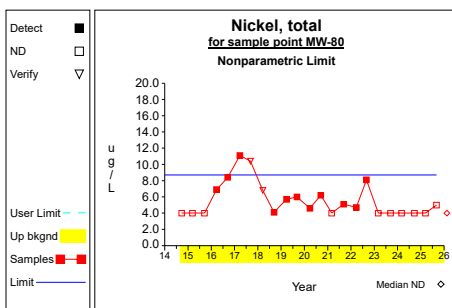
Graph 124



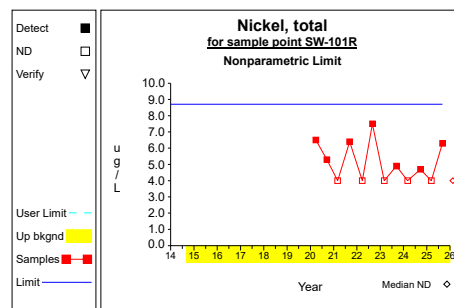
Graph 125



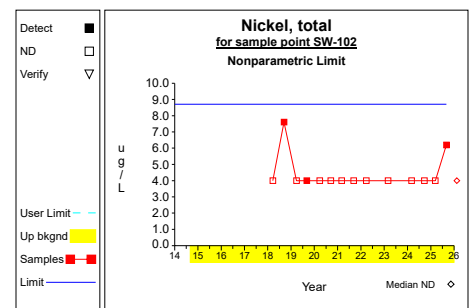
Graph 126



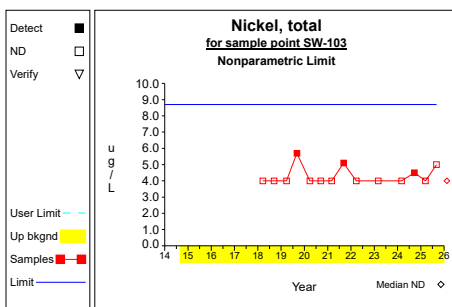
Graph 127



Graph 128

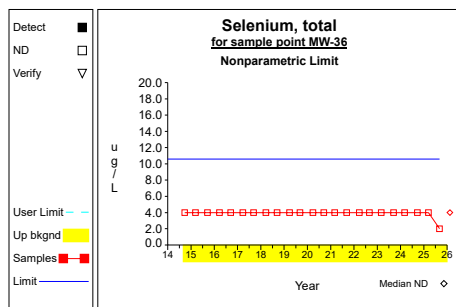


Graph 129

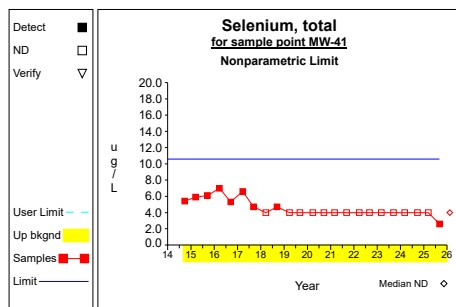


Graph 130

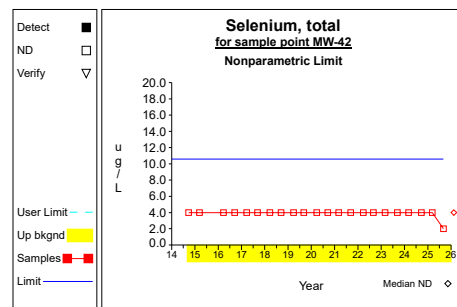
Up vs. Down Prediction Limits



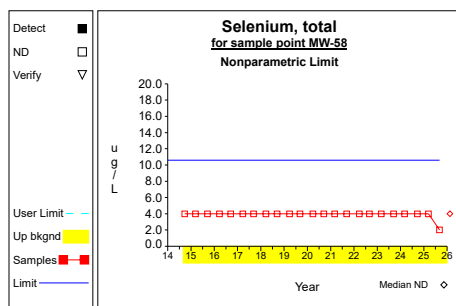
Graph 131



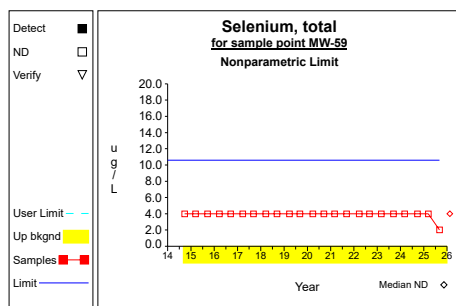
Graph 132



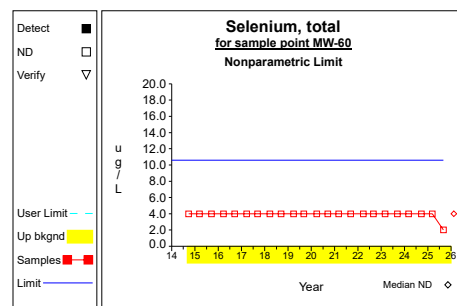
Graph 133



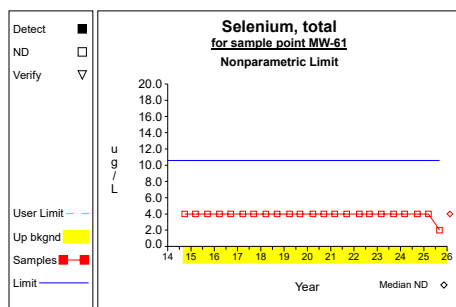
Graph 134



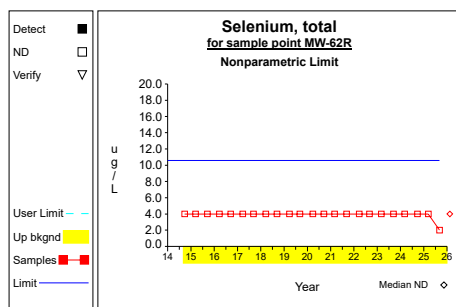
Graph 135



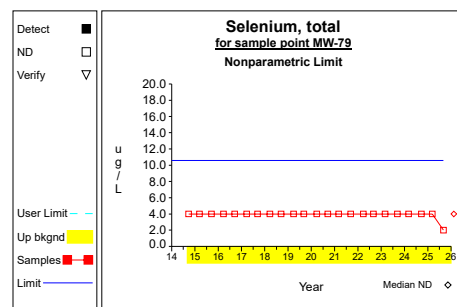
Graph 136



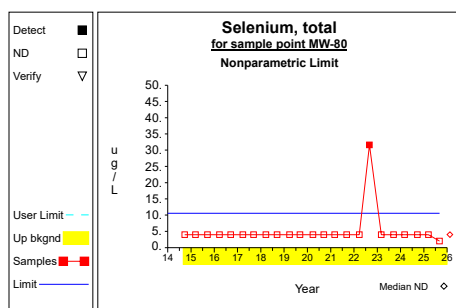
Graph 137



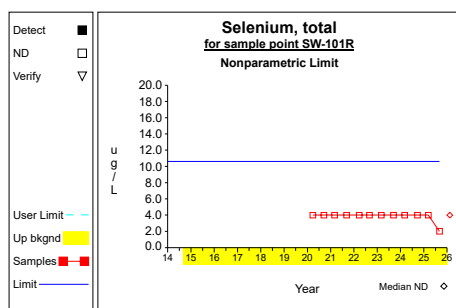
Graph 138



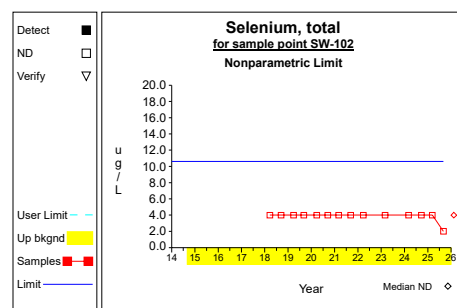
Graph 139



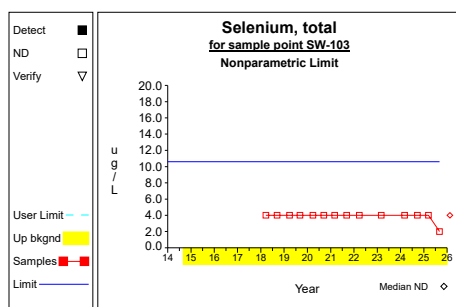
Graph 140



Graph 141

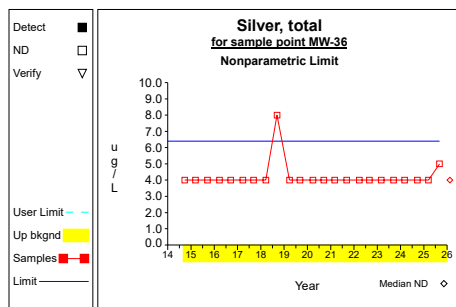


Graph 142

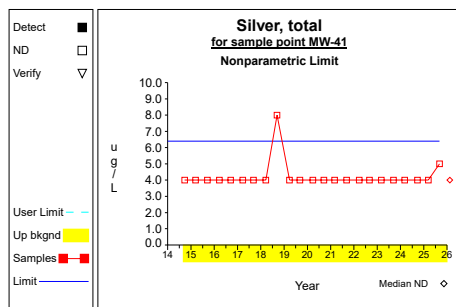


Graph 143

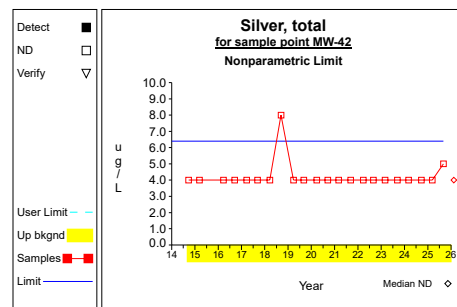
Up vs. Down Prediction Limits



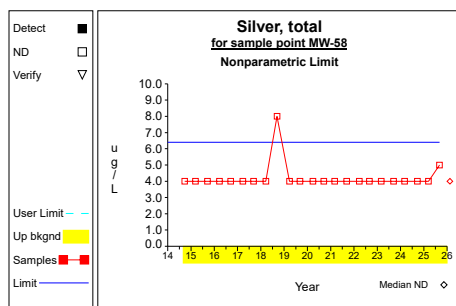
Graph 144



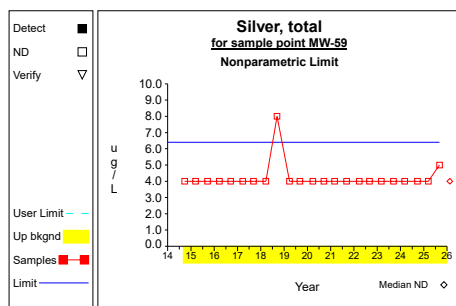
Graph 145



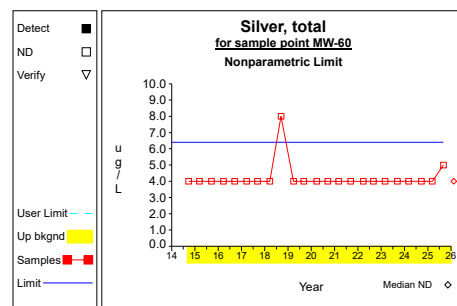
Graph 146



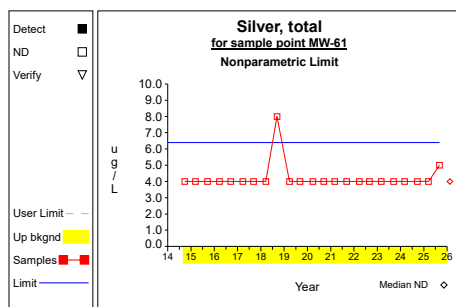
Graph 147



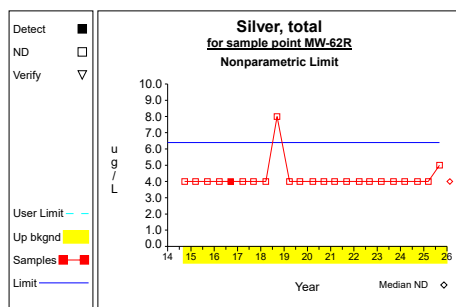
Graph 148



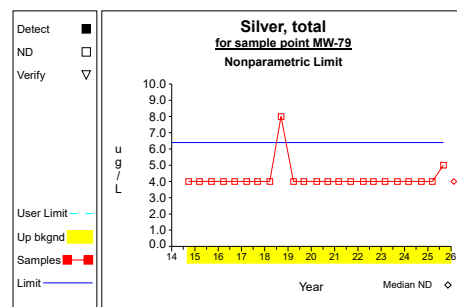
Graph 149



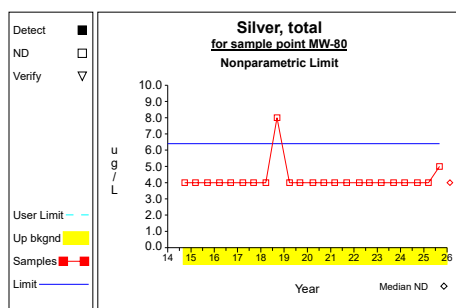
Graph 150



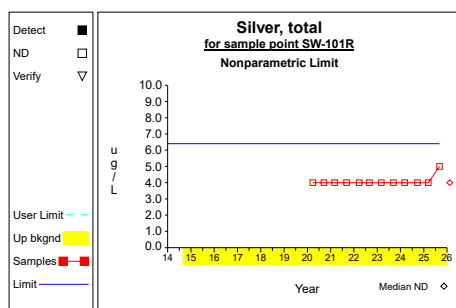
Graph 151



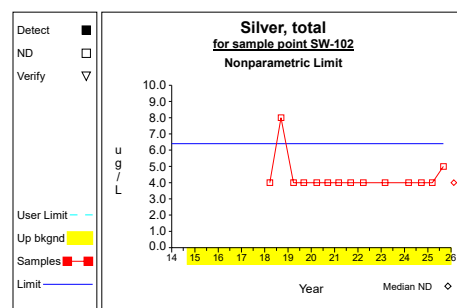
Graph 152



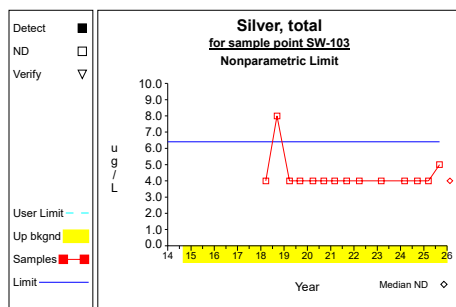
Graph 153



Graph 154

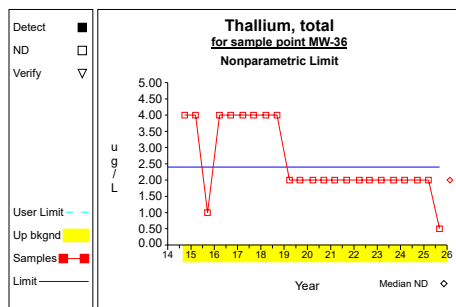


Graph 155

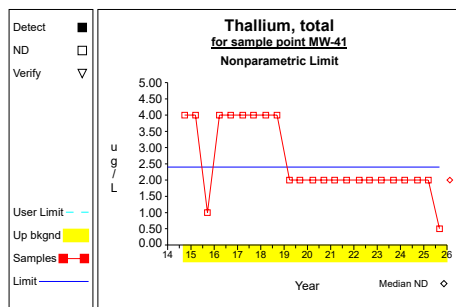


Graph 156

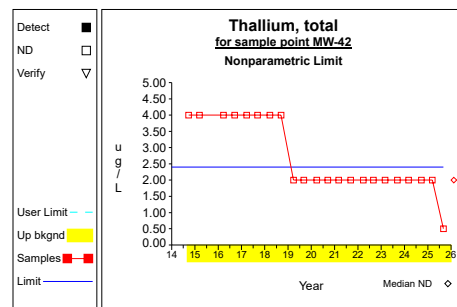
Up vs. Down Prediction Limits



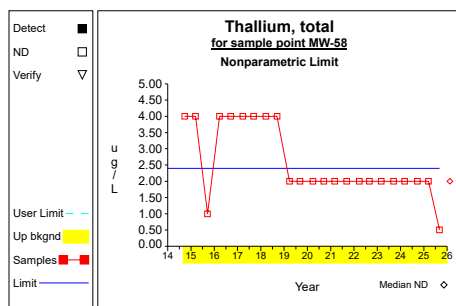
Graph 157



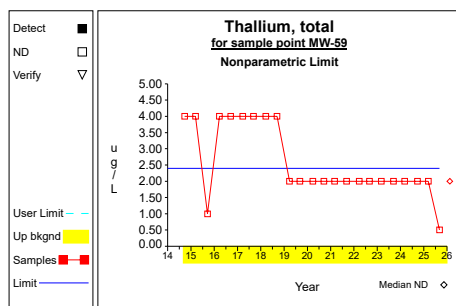
Graph 158



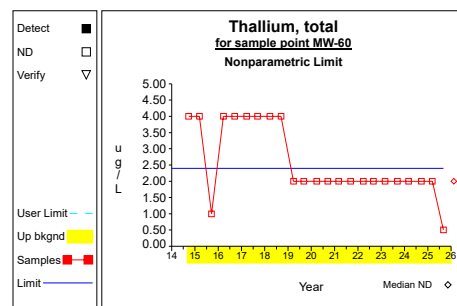
Graph 159



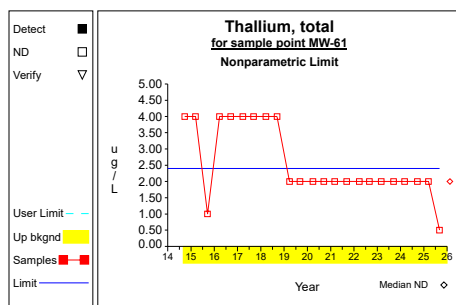
Graph 160



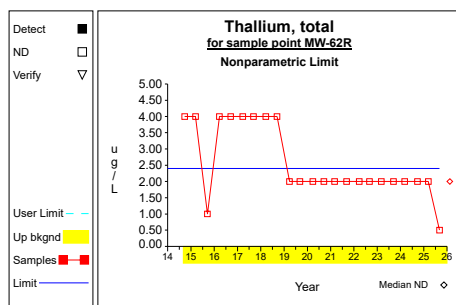
Graph 161



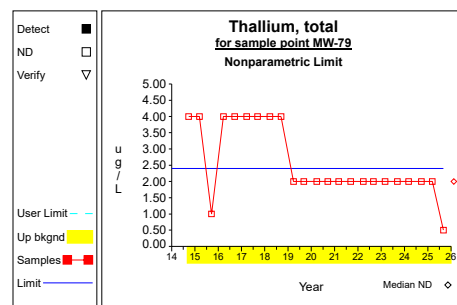
Graph 162



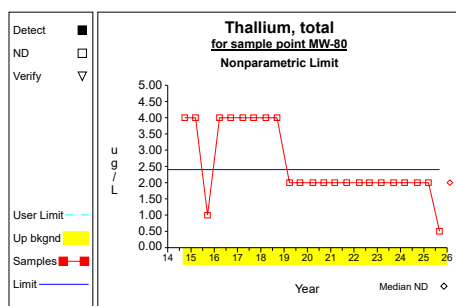
Graph 163



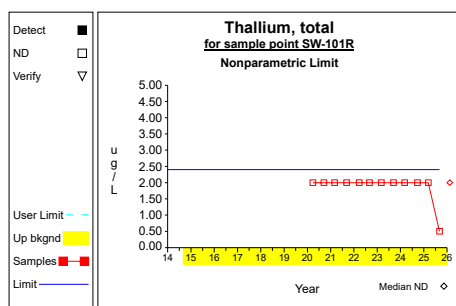
Graph 164



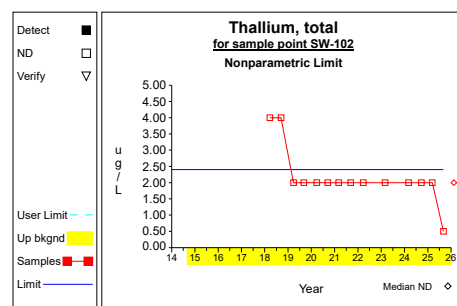
Graph 165



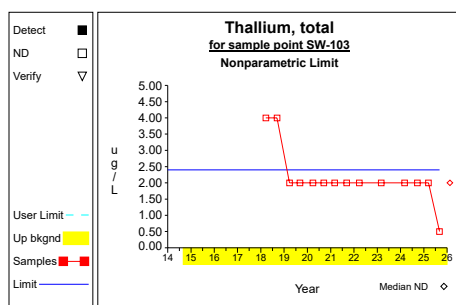
Graph 166



Graph 167

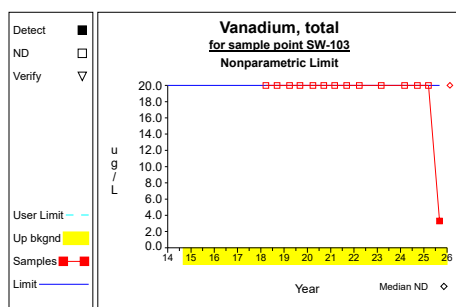
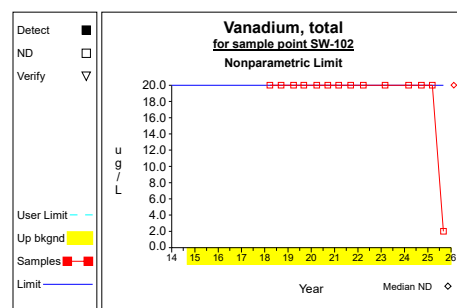
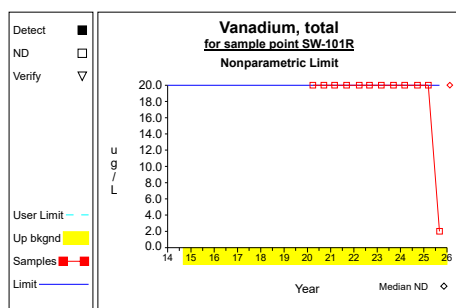
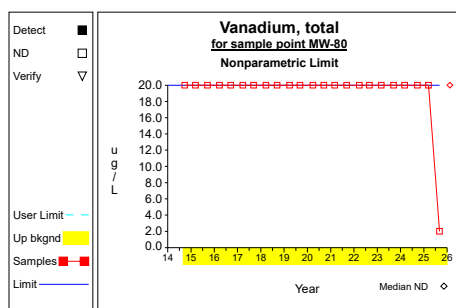
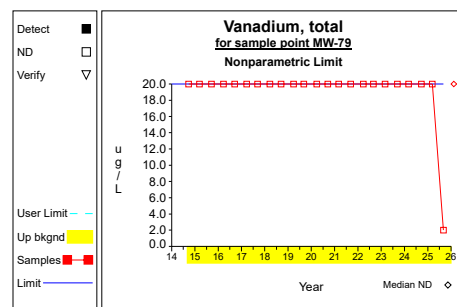
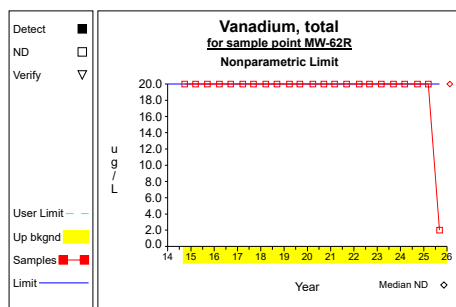
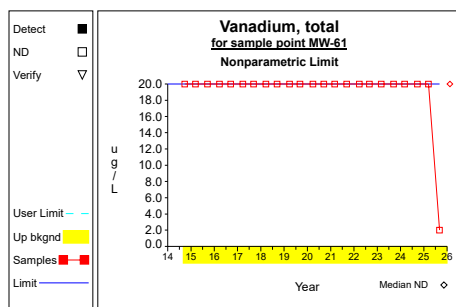
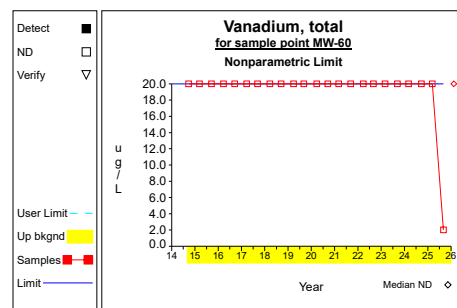
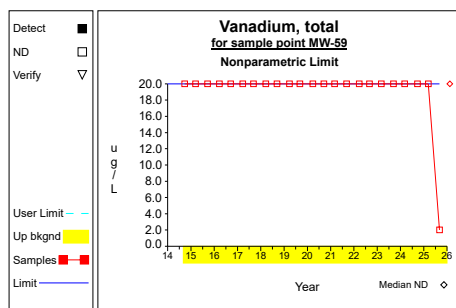
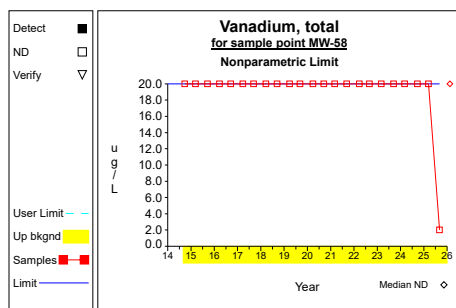
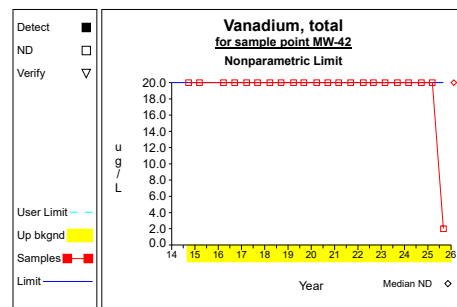
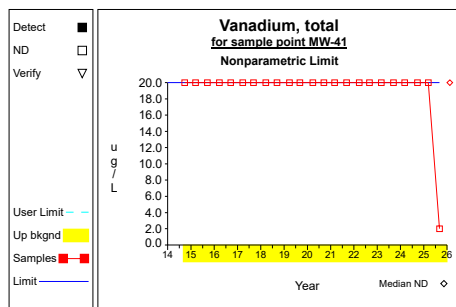
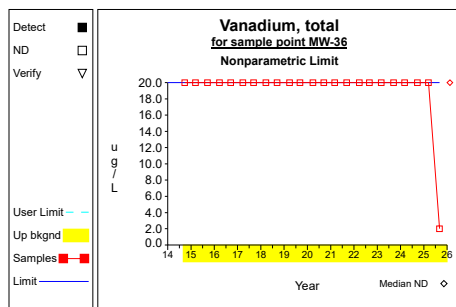


Graph 168

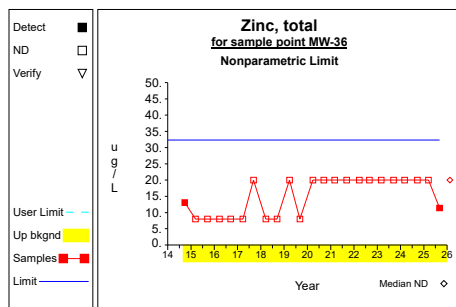


Graph 169

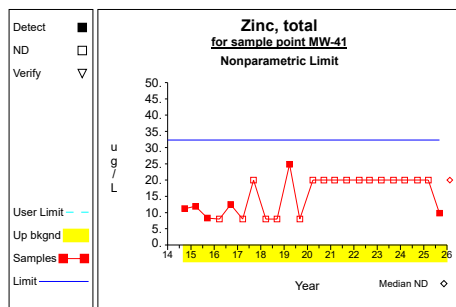
Up vs. Down Prediction Limits



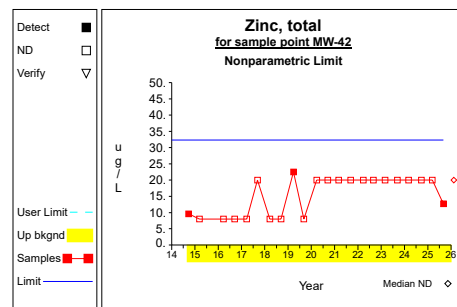
Up vs. Down Prediction Limits



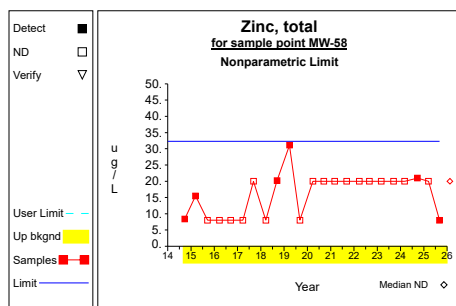
Graph 183



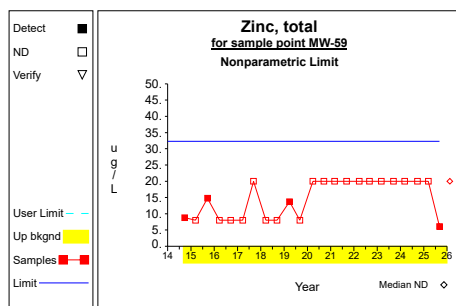
Graph 184



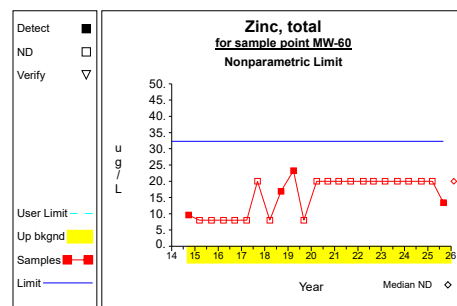
Graph 185



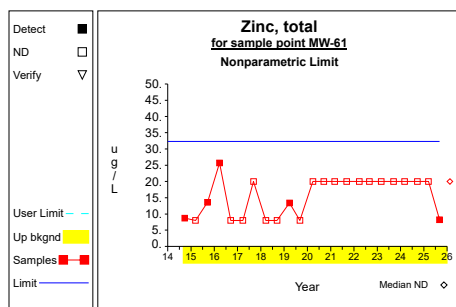
Graph 186



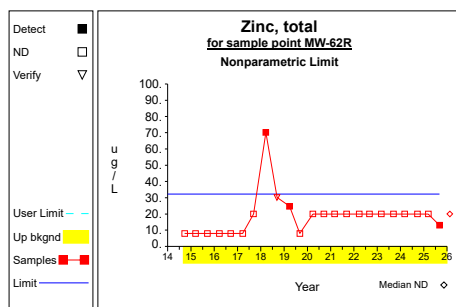
Graph 187



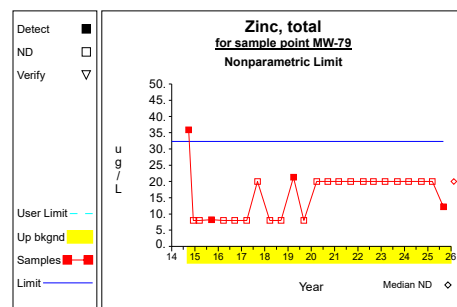
Graph 188



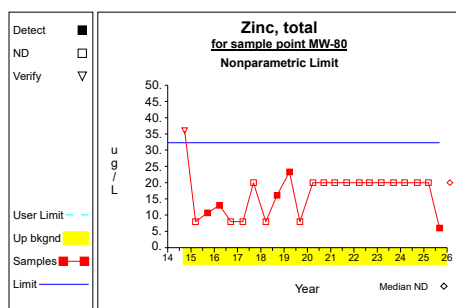
Graph 189



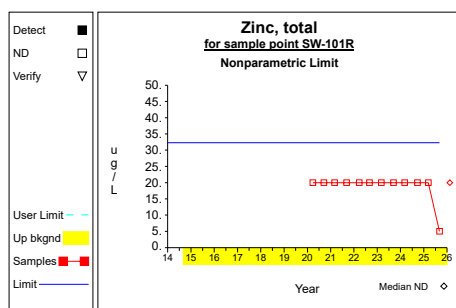
Graph 190



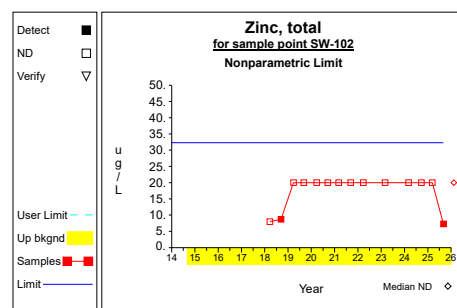
Graph 191



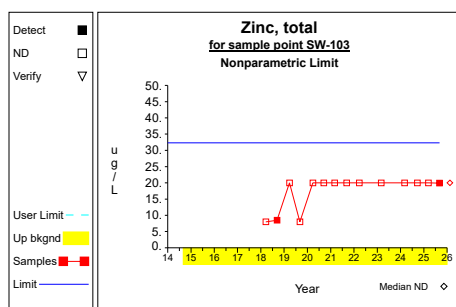
Graph 192



Graph 193

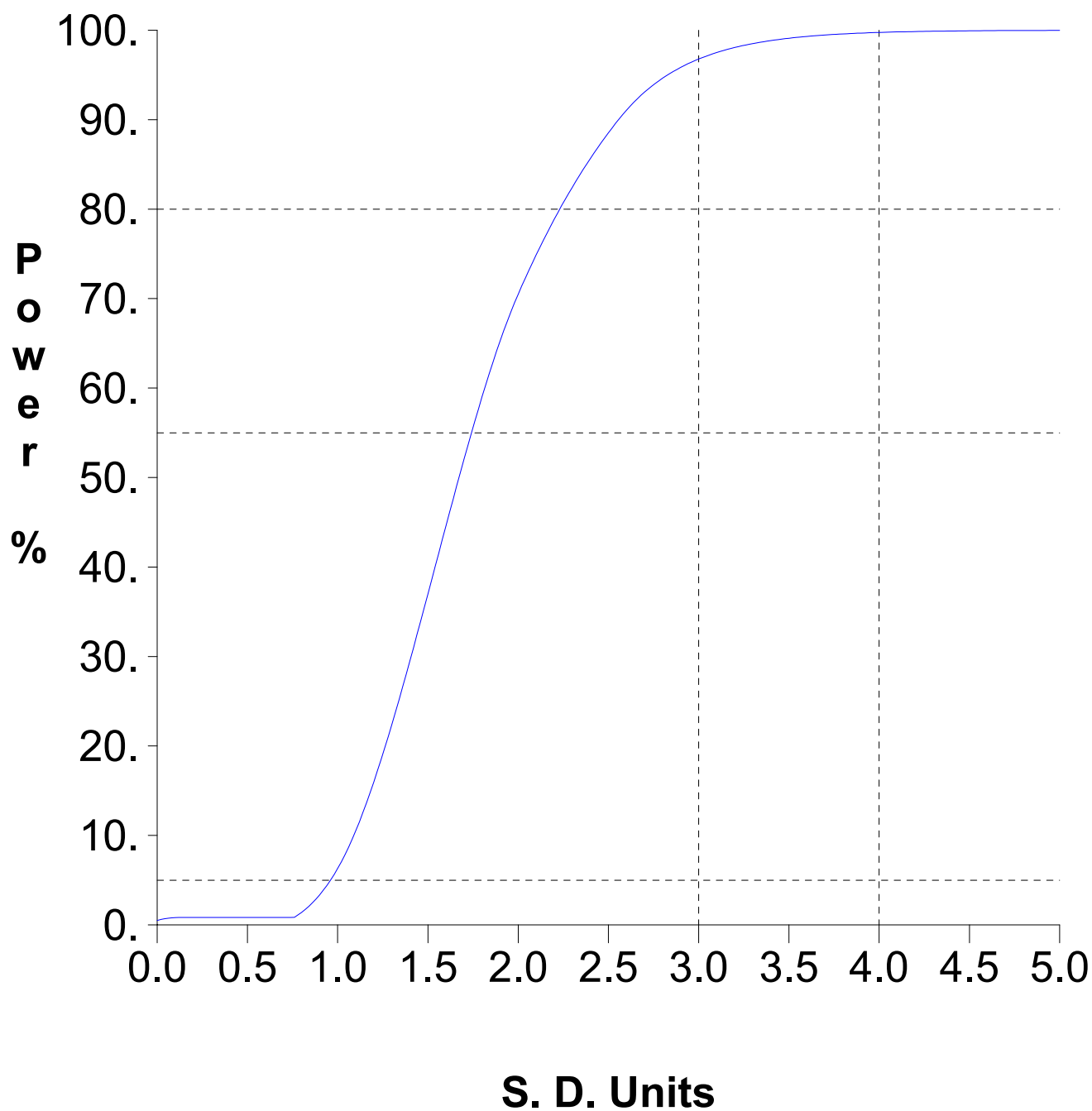


Graph 194



Graph 195

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



Attachment C

95% LCLs for Trace Metal Exceedances

Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Arsenic, total	ug/L	MW-42	4	2.000	0.000	1.176	2.000	2.000	10.000	
Arsenic, total	ug/L	MW-58	4	2.000	0.000	1.176	2.000	2.000	10.000	
Arsenic, total	ug/L	MW-59	4	2.000	0.000	1.176	2.000	2.000	10.000	
Arsenic, total	ug/L	MW-60	4	2.000	0.000	1.176	2.000	2.000	10.000	
Arsenic, total	ug/L	MW-61	4	2.000	0.000	1.176	2.000	2.000	10.000	
Arsenic, total	ug/L	MW-62R	4	2.000	0.000	1.176	2.000	2.000	10.000	
Arsenic, total	ug/L	MW-80	4	2.650	1.300	1.176	1.121	4.179	10.000	
Arsenic, total	ug/L	SW-101R	4	3.175	1.387	1.176	1.544	4.806	10.000	
Arsenic, total	ug/L	SW-102	4	2.600	1.134	1.176	1.266	3.934	10.000	
Barium, total	ug/L	MW-42	4	20.600	3.385	1.176	16.618	24.582	2000.000	dec
Barium, total	ug/L	MW-58	4	22.900	2.146	1.176	20.375	25.425	2000.000	dec
Barium, total	ug/L	MW-59	4	32.400	9.975	1.176	20.667	44.133	2000.000	
Barium, total	ug/L	MW-60	4	225.500	76.809	1.176	135.150	315.850	2000.000	
Barium, total	ug/L	MW-61	4	89.325	71.317	1.176	5.435	173.215	2000.000	
Barium, total	ug/L	MW-62R	4	1007.750	86.988	1.176	905.427	1110.073	2000.000	inc
Barium, total	ug/L	MW-80	4	128.250	6.397	1.176	120.726	135.774	2000.000	dec
Barium, total	ug/L	SW-101R	4	232.000	7.303	1.176	223.410	240.590	2000.000	
Barium, total	ug/L	SW-102	4	163.000	24.900	1.176	133.711	192.289	2000.000	
Cobalt, total	ug/L	MW-42	4	0.775	0.568	1.176	0.107	1.443	2.100	
Cobalt, total	ug/L	MW-58	4	0.400	0.000	1.176	0.400	0.400	2.100	
Cobalt, total	ug/L	MW-59	4	0.400	0.000	1.176	0.400	0.400	2.100	
Cobalt, total	ug/L	MW-60	4	0.650	0.436	1.176	0.137	1.163	2.100	
Cobalt, total	ug/L	MW-61	4	0.400	0.000	1.176	0.400	0.400	2.100	
Cobalt, total	ug/L	MW-62R	4	0.400	0.000	1.176	0.400	0.400	2.100	
Cobalt, total	ug/L	MW-80	4	1.125	0.538	1.176	0.492	1.758	2.100	
Cobalt, total	ug/L	SW-101R	4	3.050	1.277	1.176	1.548	4.552	2.100	
Cobalt, total	ug/L	SW-102	4	0.600	0.337	1.176	0.204	0.996	2.100	
Copper, total	ug/L	MW-42	4	2.000	0.000	1.176	2.000	2.000	1300.000	
Copper, total	ug/L	MW-58	4	2.000	0.000	1.176	2.000	2.000	1300.000	
Copper, total	ug/L	MW-59	4	3.175	2.350	1.176	0.411	5.939	1300.000	
Copper, total	ug/L	MW-60	4	2.625	1.250	1.176	1.155	4.095	1300.000	
Copper, total	ug/L	MW-61	4	3.875	2.250	1.176	1.228	6.522	1300.000	
Copper, total	ug/L	MW-62R	4	2.000	0.000	1.176	2.000	2.000	1300.000	
Copper, total	ug/L	MW-80	4	2.000	0.000	1.176	2.000	2.000	1300.000	
Copper, total	ug/L	SW-101R	4	2.925	1.850	1.176	0.749	5.101	1300.000	
Copper, total	ug/L	SW-102	4	3.450	2.900	1.176	0.039	6.861	1300.000	
Nickel, total	ug/L	MW-42	4	2.700	1.400	1.176	1.053	4.347	100.000	
Nickel, total	ug/L	MW-58	4	14.150	1.827	1.176	12.001	16.299	100.000	
Nickel, total	ug/L	MW-59	4	2.000	0.000	1.176	2.000	2.000	100.000	dec
Nickel, total	ug/L	MW-60	4	12.925	12.214	1.176	0.000	27.292	100.000	
Nickel, total	ug/L	MW-61	4	4.550	1.754	1.176	2.487	6.613	100.000	dec
Nickel, total	ug/L	MW-62R	4	2.000	0.000	1.176	2.000	2.000	100.000	
Nickel, total	ug/L	MW-80	4	2.000	0.000	1.176	2.000	2.000	100.000	dec
Nickel, total	ug/L	SW-101R	4	3.750	2.124	1.176	1.252	6.248	100.000	
Nickel, total	ug/L	SW-102	4	3.050	2.100	1.176	0.580	5.520	100.000	

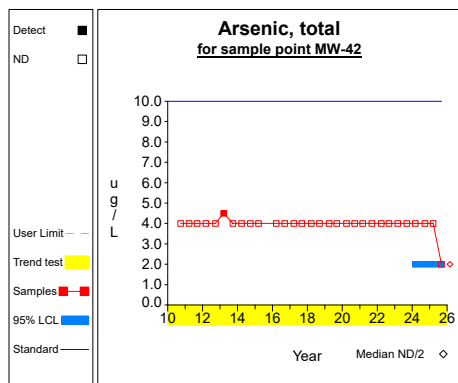
* - Insufficient Data

** - Significant Exceedance

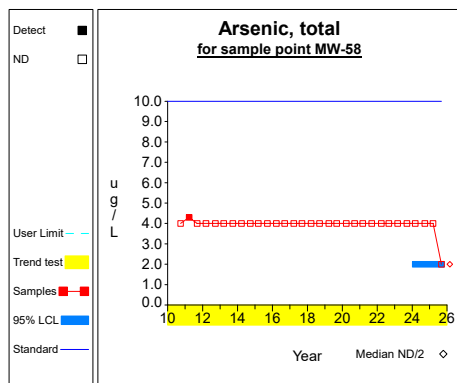
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

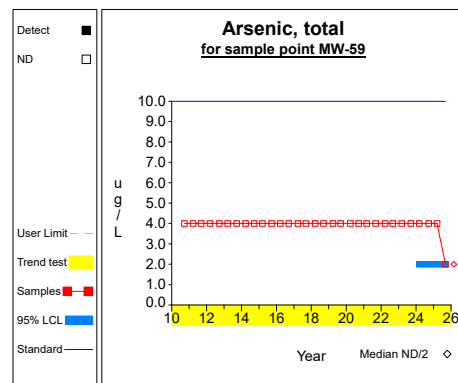
Confidence Limits (Assessment)



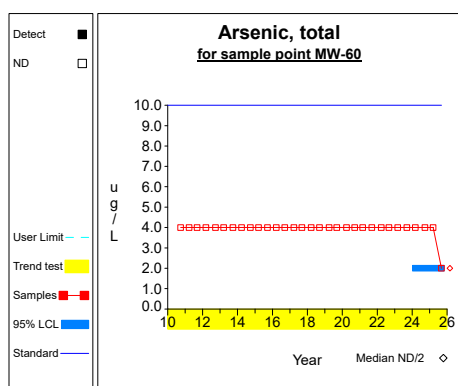
Graph 1



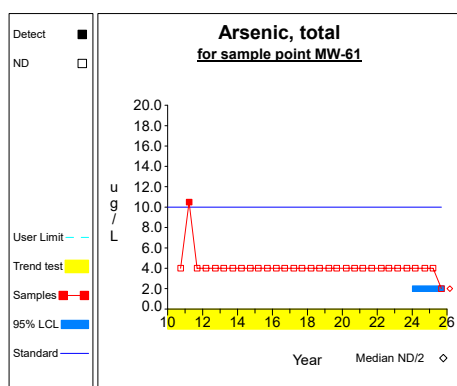
Graph 2



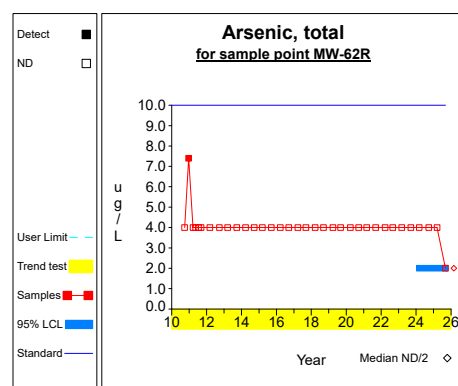
Graph 3



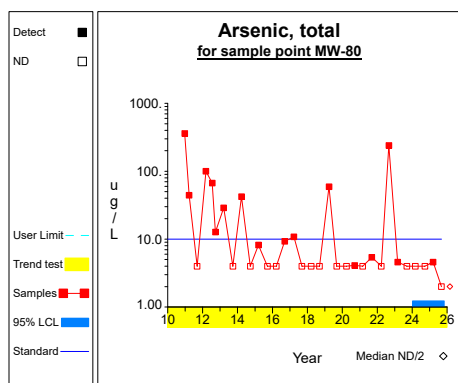
Graph 4



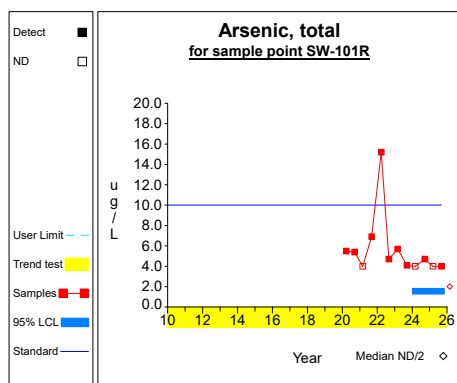
Graph 5



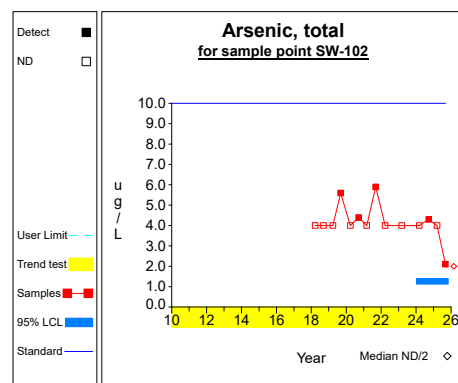
Graph 6



Graph 7

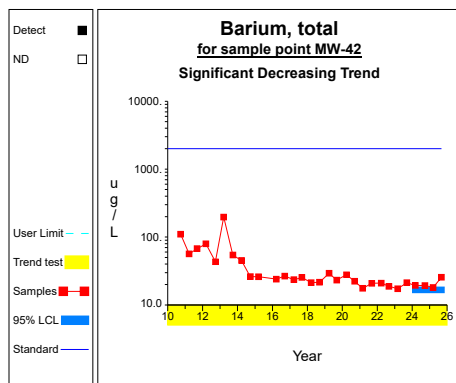


Graph 8

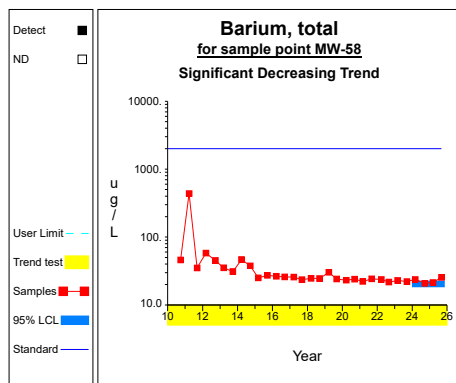


Graph 9

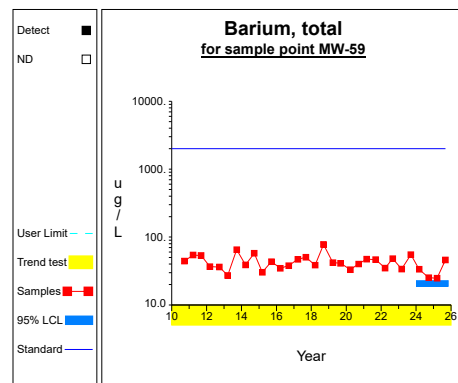
Confidence Limits (Assessment)



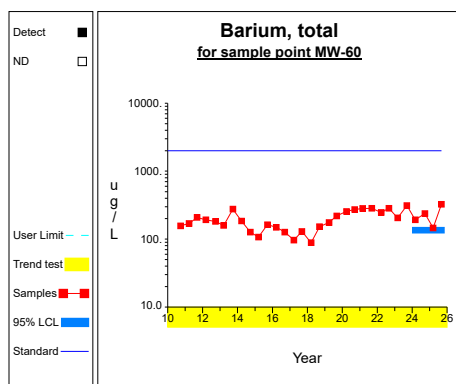
Graph 10



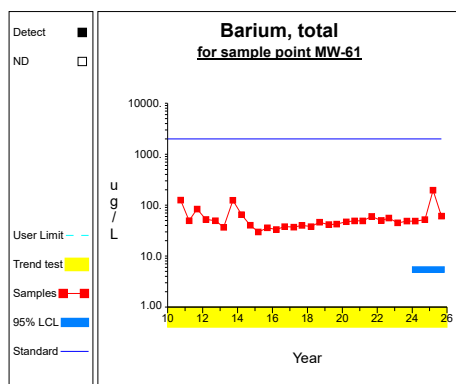
Graph 11



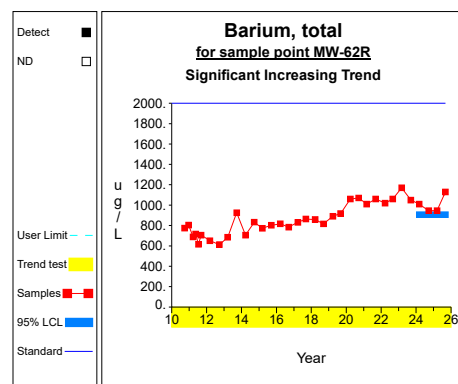
Graph 12



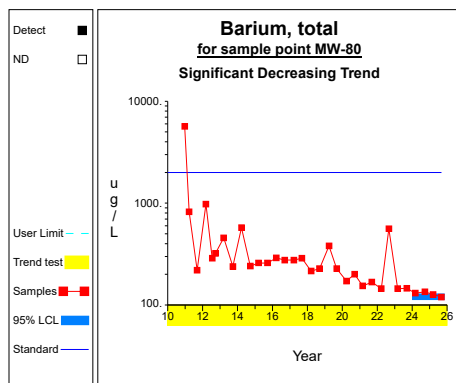
Graph 13



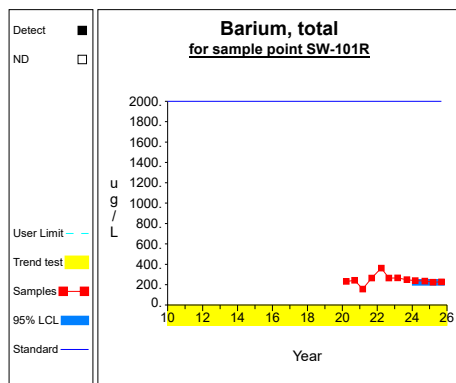
Graph 14



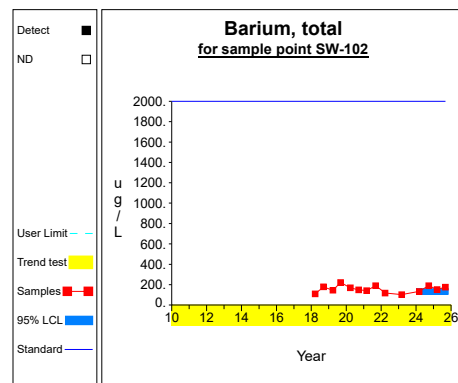
Graph 15



Graph 16

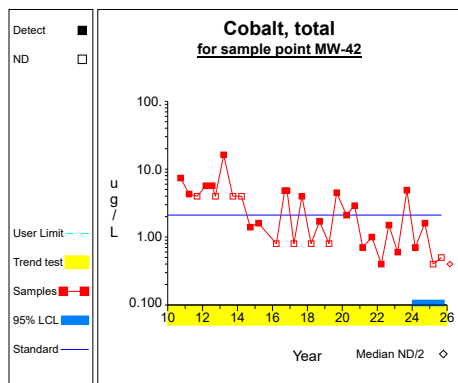


Graph 17

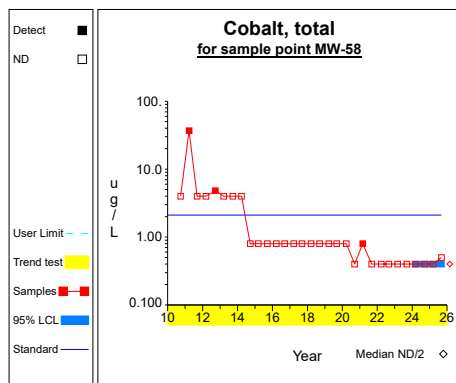


Graph 18

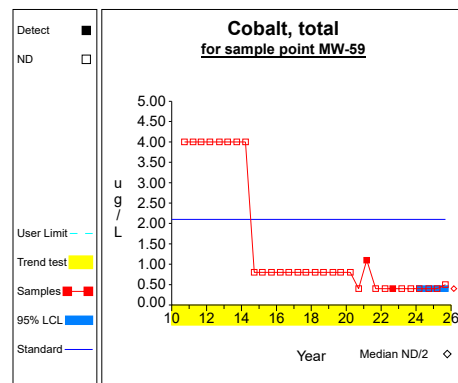
Confidence Limits (Assessment)



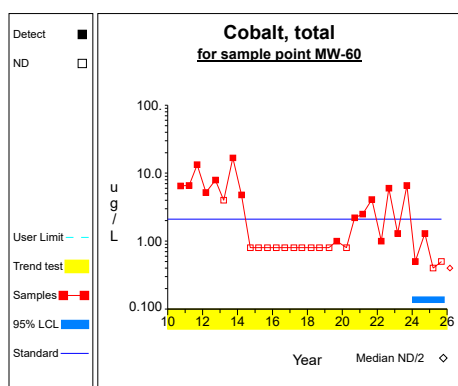
Graph 19



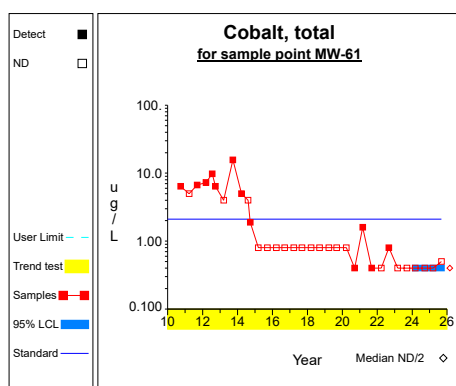
Graph 20



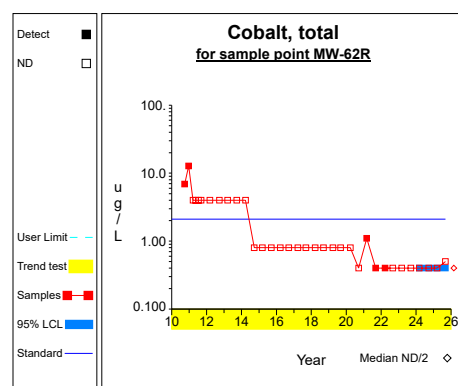
Graph 21



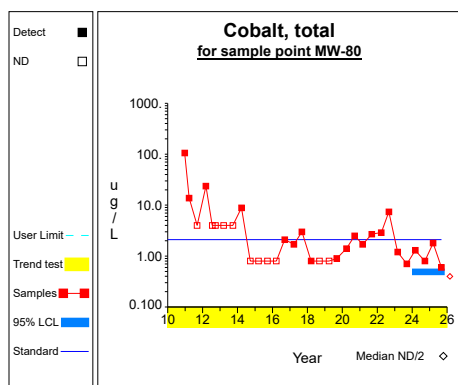
Graph 22



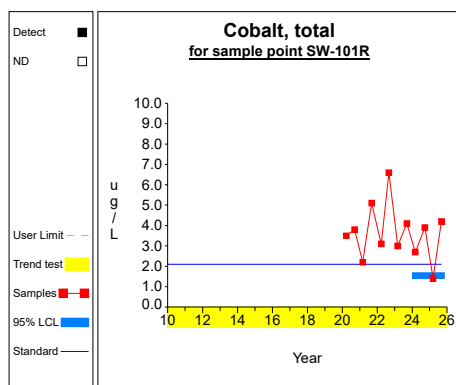
Graph 23



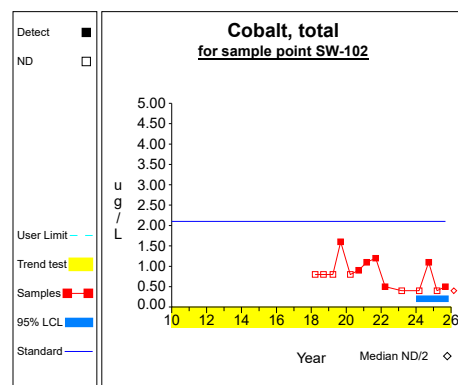
Graph 24



Graph 25

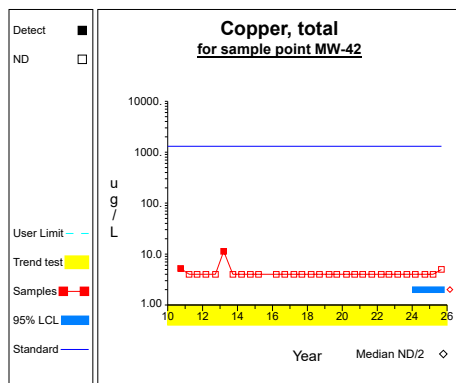


Graph 26

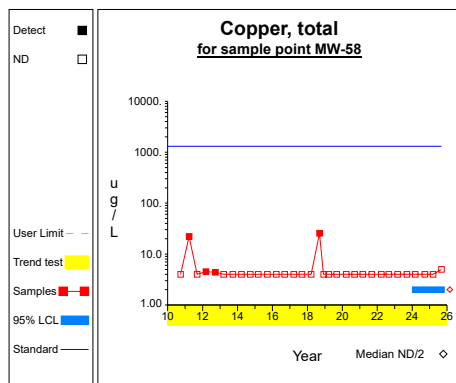


Graph 27

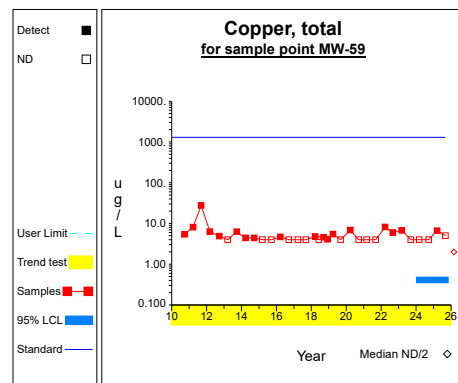
Confidence Limits (Assessment)



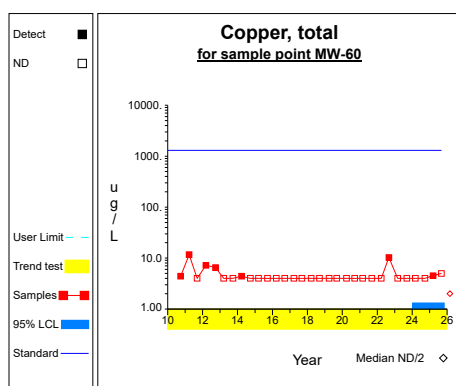
Graph 28



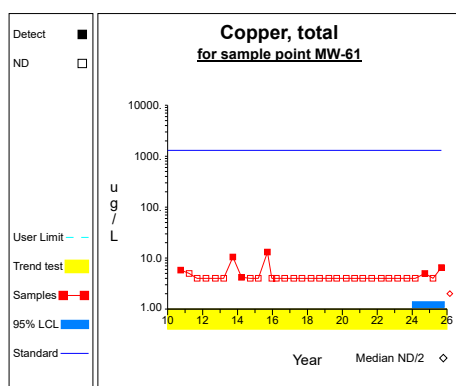
Graph 29



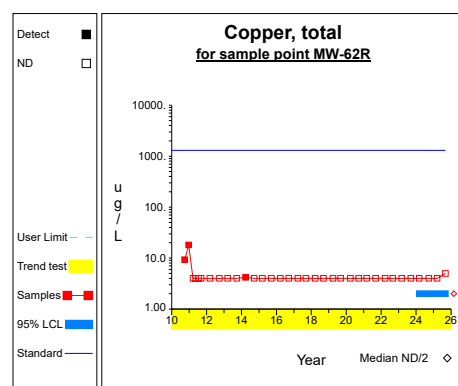
Graph 30



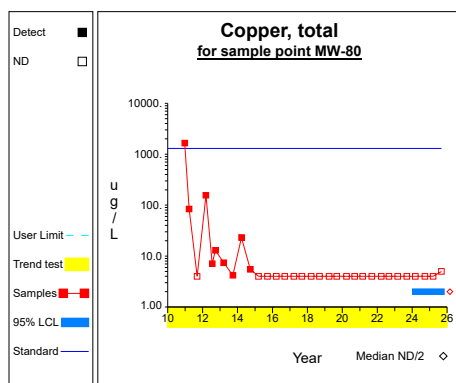
Graph 31



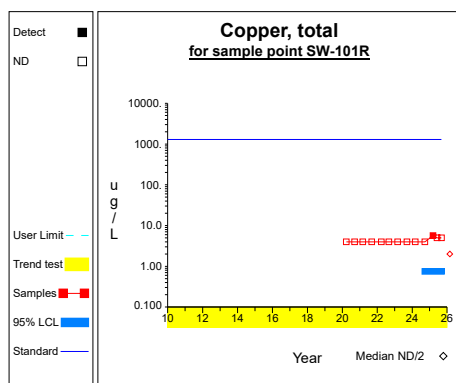
Graph 32



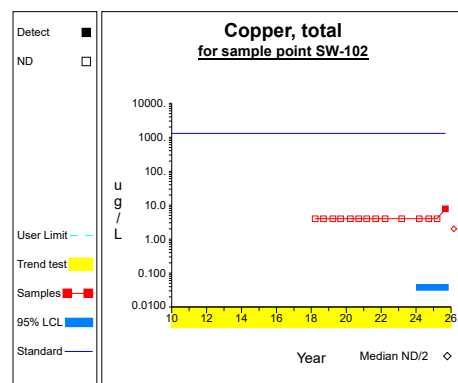
Graph 33



Graph 34

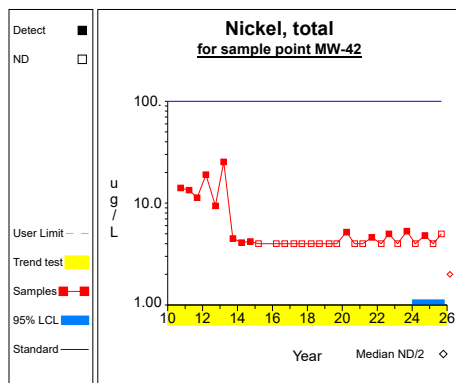


Graph 35

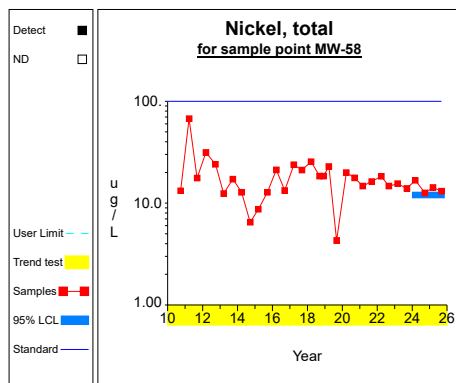


Graph 36

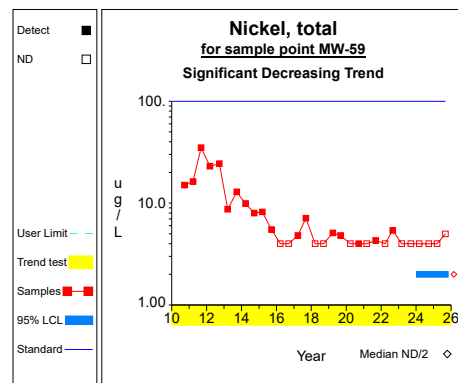
Confidence Limits (Assessment)



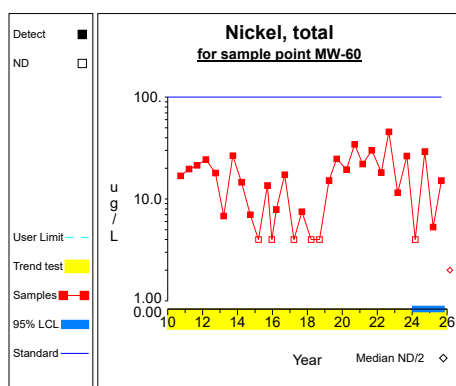
Graph 37



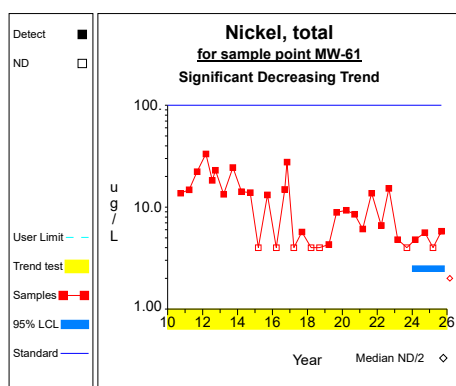
Graph 38



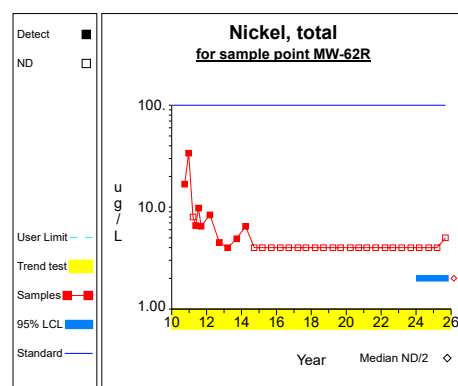
Graph 39



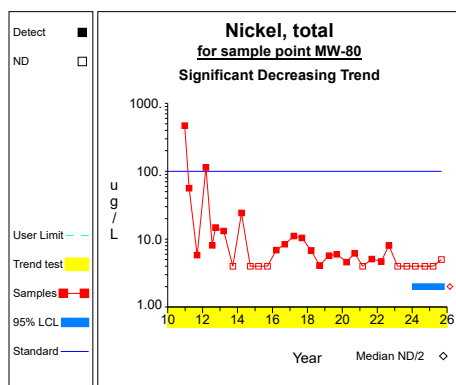
Graph 40



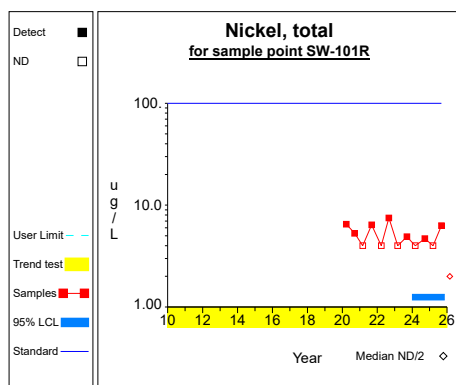
Graph 41



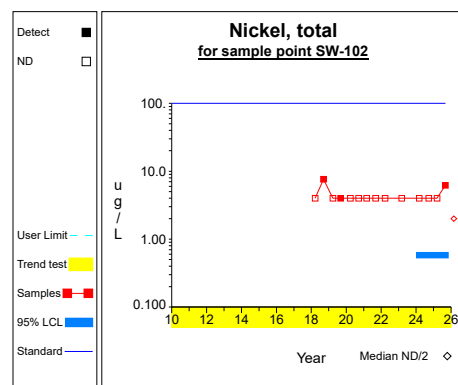
Graph 42



Graph 43



Graph 44



Graph 45

Attachment D

Summary Tables and Graphs for the Interwell Comparisons – Old Landfill

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-39	09/24/2014	ND	2.0000		
Antimony, total	ug/L	MW-39	12/05/2014	ND	2.0000		
Antimony, total	ug/L	MW-39	03/11/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	06/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	09/17/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	03/22/2016	ND	2.0000		
Antimony, total	ug/L	MW-39	09/15/2016	ND	2.0000		
Antimony, total	ug/L	MW-39	03/23/2017	ND	2.0000		
Antimony, total	ug/L	MW-39	09/08/2017	ND	2.0000		
Antimony, total	ug/L	MW-39	03/19/2018	ND	2.0000		
Antimony, total	ug/L	MW-39	09/11/2018	ND	2.0000		
Antimony, total	ug/L	MW-39	03/26/2019	ND	2.0000		
Antimony, total	ug/L	MW-39	09/04/2019	ND	2.0000		
Antimony, total	ug/L	MW-39	03/26/2020	ND	2.0000		
Antimony, total	ug/L	MW-39	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-39	03/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-39	09/07/2021	ND	2.0000		
Antimony, total	ug/L	MW-39	03/24/2022	ND	2.0000		
Antimony, total	ug/L	MW-39	08/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-39	03/02/2023	ND	2.0000		
Antimony, total	ug/L	MW-39	09/12/2023	ND	2.0000		
Antimony, total	ug/L	MW-39	03/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-39	09/23/2024	ND	2.0000		
Antimony, total	ug/L	MW-39	03/12/2025	ND	2.0000		
Antimony, total	ug/L	MW-39	09/03/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-48	09/24/2014	ND	2.0000		
Antimony, total	ug/L	MW-48	12/05/2014	ND	2.0000		
Antimony, total	ug/L	MW-48	03/11/2015	ND	2.0000		
Antimony, total	ug/L	MW-48	06/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-48	09/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-48	03/22/2016	ND	2.0000		
Antimony, total	ug/L	MW-48	09/14/2016	ND	2.0000		
Antimony, total	ug/L	MW-48	03/23/2017	ND	2.0000		
Antimony, total	ug/L	MW-48	09/08/2017	ND	2.0000		
Antimony, total	ug/L	MW-48	03/19/2018	ND	2.0000		
Antimony, total	ug/L	MW-48	09/11/2018	ND	2.0000		
Antimony, total	ug/L	MW-48	03/26/2019	ND	2.0000		
Antimony, total	ug/L	MW-48	09/04/2019	ND	2.0000		
Antimony, total	ug/L	MW-48	03/26/2020	ND	2.0000		
Antimony, total	ug/L	MW-48	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-48	03/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-48	09/07/2021	ND	2.0000		
Antimony, total	ug/L	MW-48	03/24/2022	ND	2.0000		
Antimony, total	ug/L	MW-48	08/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-48	03/02/2023	ND	2.0000		
Antimony, total	ug/L	MW-48	09/12/2023	ND	2.0000		
Antimony, total	ug/L	MW-48	03/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-48	09/23/2024	ND	2.0000		
Antimony, total	ug/L	MW-48	03/12/2025	ND	2.0000		
Antimony, total	ug/L	MW-48	09/03/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-78	09/24/2014	ND	2.0000		
Antimony, total	ug/L	MW-78	12/05/2014	ND	2.0000		
Antimony, total	ug/L	MW-78	03/11/2015	ND	2.0000		
Antimony, total	ug/L	MW-78	06/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-78	09/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-78	03/22/2016	ND	2.0000		
Antimony, total	ug/L	MW-78	09/15/2016	ND	2.0000		
Antimony, total	ug/L	MW-78	03/23/2017	ND	2.0000		
Antimony, total	ug/L	MW-78	09/08/2017	ND	2.0000		
Antimony, total	ug/L	MW-78	03/19/2018	ND	2.0000		
Antimony, total	ug/L	MW-78	09/11/2018	ND	2.0000		
Antimony, total	ug/L	MW-78	03/26/2019	ND	2.0000		
Antimony, total	ug/L	MW-78	09/04/2019	ND	2.0000		
Antimony, total	ug/L	MW-78	03/26/2020	ND	2.0000		
Antimony, total	ug/L	MW-78	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-78	03/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-78	09/07/2021	ND	2.0000		
Antimony, total	ug/L	MW-78	03/24/2022	ND	2.0000		
Antimony, total	ug/L	MW-78	08/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-78	03/02/2023	ND	2.0000		
Antimony, total	ug/L	MW-78	09/12/2023	ND	2.0000		
Antimony, total	ug/L	MW-78	03/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-78	09/23/2024	ND	2.0000		
Antimony, total	ug/L	MW-78	03/12/2025	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	
Antimony, total	ug/L	MW-78	09/03/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	SW-101	09/14/2016	ND	2.0000		
Antimony, total	ug/L	SW-101	03/23/2017	ND	2.0000		
Antimony, total	ug/L	SW-101	09/08/2017	ND	2.0000		
Antimony, total	ug/L	SW-101	03/19/2018	ND	2.0000		
Antimony, total	ug/L	SW-101	09/11/2018	ND	2.0000		
Antimony, total	ug/L	SW-101	03/26/2019	ND	2.0000		
Antimony, total	ug/L	SW-101	09/04/2019	ND	2.0000		
Arsenic, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Arsenic, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Arsenic, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Arsenic, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Arsenic, total	ug/L	MW-39	09/03/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Arsenic, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Arsenic, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Arsenic, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Arsenic, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Arsenic, total	ug/L	MW-48	09/03/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Arsenic, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Arsenic, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/02/2021	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Arsenic, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Arsenic, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Arsenic, total	ug/L	MW-78	09/03/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Arsenic, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Arsenic, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Arsenic, total	ug/L	SW-101	03/19/2018		4.4000		
Arsenic, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Arsenic, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Arsenic, total	ug/L	SW-101	09/04/2019		7.3000		
Barium, total	ug/L	MW-39	09/24/2014		60.6000		
Barium, total	ug/L	MW-39	12/05/2014		139.0000		
Barium, total	ug/L	MW-39	03/11/2015		136.0000		
Barium, total	ug/L	MW-39	06/16/2015		148.0000		
Barium, total	ug/L	MW-39	09/17/2015		128.0000		
Barium, total	ug/L	MW-39	03/22/2016		123.0000		
Barium, total	ug/L	MW-39	09/15/2016		103.0000		
Barium, total	ug/L	MW-39	03/23/2017		129.0000		
Barium, total	ug/L	MW-39	09/08/2017		117.0000		
Barium, total	ug/L	MW-39	03/19/2018		131.0000		
Barium, total	ug/L	MW-39	09/11/2018		114.0000		
Barium, total	ug/L	MW-39	03/26/2019		121.0000		
Barium, total	ug/L	MW-39	09/04/2019		138.0000		
Barium, total	ug/L	MW-39	03/26/2020		150.0000		
Barium, total	ug/L	MW-39	09/15/2020		136.0000		
Barium, total	ug/L	MW-39	03/02/2021		125.0000		
Barium, total	ug/L	MW-39	09/07/2021		141.0000		
Barium, total	ug/L	MW-39	03/24/2022		137.0000		
Barium, total	ug/L	MW-39	08/31/2022		132.0000		
Barium, total	ug/L	MW-39	03/02/2023		134.0000		
Barium, total	ug/L	MW-39	09/12/2023		133.0000		
Barium, total	ug/L	MW-39	03/04/2024		128.0000		
Barium, total	ug/L	MW-39	09/23/2024		119.0000		
Barium, total	ug/L	MW-39	03/12/2025		135.0000		
Barium, total	ug/L	MW-39	09/03/2025		131.0000		
Barium, total	ug/L	MW-48	09/24/2014		181.0000		
Barium, total	ug/L	MW-48	12/05/2014		168.0000		
Barium, total	ug/L	MW-48	03/11/2015		143.0000		
Barium, total	ug/L	MW-48	06/16/2015		161.0000		
Barium, total	ug/L	MW-48	09/16/2015		150.0000		
Barium, total	ug/L	MW-48	03/22/2016		153.0000		
Barium, total	ug/L	MW-48	09/14/2016		140.0000		
Barium, total	ug/L	MW-48	03/23/2017		146.0000		
Barium, total	ug/L	MW-48	09/08/2017		171.0000		
Barium, total	ug/L	MW-48	03/19/2018		145.0000		
Barium, total	ug/L	MW-48	09/11/2018		151.0000		
Barium, total	ug/L	MW-48	03/26/2019		153.0000		
Barium, total	ug/L	MW-48	09/04/2019		160.0000		
Barium, total	ug/L	MW-48	03/26/2020		156.0000		
Barium, total	ug/L	MW-48	09/15/2020		152.0000		
Barium, total	ug/L	MW-48	03/02/2021		159.0000		
Barium, total	ug/L	MW-48	09/07/2021		149.0000		
Barium, total	ug/L	MW-48	03/24/2022		143.0000		
Barium, total	ug/L	MW-48	08/31/2022		157.0000		
Barium, total	ug/L	MW-48	03/02/2023		149.0000		
Barium, total	ug/L	MW-48	09/12/2023		168.0000		
Barium, total	ug/L	MW-48	03/04/2024		149.0000		
Barium, total	ug/L	MW-48	09/23/2024		148.0000		
Barium, total	ug/L	MW-48	03/12/2025		153.0000		
Barium, total	ug/L	MW-48	09/03/2025		168.0000		
Barium, total	ug/L	MW-78	09/24/2014		304.0000		
Barium, total	ug/L	MW-78	12/05/2014		291.0000		
Barium, total	ug/L	MW-78	03/11/2015		304.0000		
Barium, total	ug/L	MW-78	06/16/2015		329.0000		
Barium, total	ug/L	MW-78	09/16/2015		298.0000		
Barium, total	ug/L	MW-78	03/22/2016		309.0000		
Barium, total	ug/L	MW-78	09/15/2016		311.0000		
Barium, total	ug/L	MW-78	03/23/2017		307.0000		

* - 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-78	09/08/2017		357.0000		
Barium, total	ug/L	MW-78	03/19/2018		320.0000		
Barium, total	ug/L	MW-78	09/11/2018		295.0000		
Barium, total	ug/L	MW-78	03/26/2019		285.0000		
Barium, total	ug/L	MW-78	09/04/2019		332.0000		
Barium, total	ug/L	MW-78	03/26/2020		304.0000		
Barium, total	ug/L	MW-78	09/15/2020		319.0000		
Barium, total	ug/L	MW-78	03/02/2021		304.0000		
Barium, total	ug/L	MW-78	09/07/2021		332.0000		
Barium, total	ug/L	MW-78	03/24/2022		291.0000		
Barium, total	ug/L	MW-78	08/31/2022		340.0000		
Barium, total	ug/L	MW-78	03/02/2023		345.0000		
Barium, total	ug/L	MW-78	09/12/2023		309.0000		
Barium, total	ug/L	MW-78	03/04/2024		341.0000		
Barium, total	ug/L	MW-78	09/23/2024		284.0000		
Barium, total	ug/L	MW-78	03/12/2025		283.0000		
Barium, total	ug/L	MW-78	09/03/2025		301.0000		
Barium, total	ug/L	SW-101	09/14/2016		188.0000		
Barium, total	ug/L	SW-101	03/23/2017		233.0000		
Barium, total	ug/L	SW-101	09/08/2017		272.0000		
Barium, total	ug/L	SW-101	03/19/2018		162.0000		
Barium, total	ug/L	SW-101	09/11/2018		127.0000		
Barium, total	ug/L	SW-101	03/26/2019		160.0000		
Barium, total	ug/L	SW-101	09/04/2019		256.0000		
Beryllium, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Beryllium, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Beryllium, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Beryllium, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Beryllium, total	ug/L	MW-39	09/03/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Beryllium, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Beryllium, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Beryllium, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Beryllium, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Beryllium, total	ug/L	MW-48	09/03/2025	ND	0.5000		*

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Beryllium, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Beryllium, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Beryllium, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Beryllium, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Beryllium, total	ug/L	MW-78	09/03/2025	ND	0.5000		*
Beryllium, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Beryllium, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Beryllium, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Beryllium, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Beryllium, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Beryllium, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Beryllium, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Cadmium, total	ug/L	MW-39	09/24/2014	ND	0.8000		
Cadmium, total	ug/L	MW-39	12/05/2014	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/11/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	06/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/17/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/22/2016	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/15/2016	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/23/2017	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/08/2017	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/19/2018	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/11/2018	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/26/2019	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/04/2019	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/26/2020	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/02/2021	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/07/2021	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/24/2022	ND	0.8000		
Cadmium, total	ug/L	MW-39	08/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/02/2023	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/12/2023	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/23/2024	ND	0.8000		
Cadmium, total	ug/L	MW-39	03/12/2025	ND	0.8000		
Cadmium, total	ug/L	MW-39	09/03/2025	ND	0.2000		*
Cadmium, total	ug/L	MW-48	09/24/2014	ND	0.8000		
Cadmium, total	ug/L	MW-48	12/05/2014	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/11/2015	ND	0.8000		
Cadmium, total	ug/L	MW-48	06/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/22/2016	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/14/2016	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/23/2017	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/08/2017	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/19/2018	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/11/2018	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/26/2019	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/04/2019	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/26/2020	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/02/2021	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/07/2021	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, total	ug/L	MW-48	03/24/2022	ND	0.8000		
Cadmium, total	ug/L	MW-48	08/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/02/2023	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/12/2023	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/23/2024	ND	0.8000		
Cadmium, total	ug/L	MW-48	03/12/2025	ND	0.8000		
Cadmium, total	ug/L	MW-48	09/03/2025	ND	0.2000		*
Cadmium, total	ug/L	MW-78	09/24/2014	ND	0.8000		
Cadmium, total	ug/L	MW-78	12/05/2014	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/11/2015	ND	0.8000		
Cadmium, total	ug/L	MW-78	06/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/22/2016	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/15/2016	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/23/2017	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/08/2017	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/19/2018	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/11/2018	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/26/2019	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/04/2019	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/26/2020	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/02/2021	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/07/2021	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/24/2022	ND	0.8000		
Cadmium, total	ug/L	MW-78	08/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/02/2023	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/12/2023	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/23/2024	ND	0.8000		
Cadmium, total	ug/L	MW-78	03/12/2025	ND	0.8000		
Cadmium, total	ug/L	MW-78	09/03/2025	ND	0.2000		*
Cadmium, total	ug/L	SW-101	09/14/2016	ND	0.8000		
Cadmium, total	ug/L	SW-101	03/23/2017	ND	0.8000		
Cadmium, total	ug/L	SW-101	09/08/2017	ND	0.8000		
Cadmium, total	ug/L	SW-101	03/19/2018	ND	0.8000		
Cadmium, total	ug/L	SW-101	09/11/2018	ND	0.8000		
Cadmium, total	ug/L	SW-101	03/26/2019	ND	0.8000		
Cadmium, total	ug/L	SW-101	09/04/2019	ND	0.8000		
Chromium, total	ug/L	MW-39	09/24/2014	ND	8.0000		
Chromium, total	ug/L	MW-39	12/05/2014	ND	8.0000		
Chromium, total	ug/L	MW-39	03/11/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	06/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	09/17/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	03/22/2016	ND	8.0000		
Chromium, total	ug/L	MW-39	09/15/2016	ND	8.0000		
Chromium, total	ug/L	MW-39	03/23/2017	ND	8.0000		
Chromium, total	ug/L	MW-39	09/08/2017	ND	8.0000		
Chromium, total	ug/L	MW-39	03/19/2018	ND	8.0000		
Chromium, total	ug/L	MW-39	09/11/2018	ND	8.0000		
Chromium, total	ug/L	MW-39	03/26/2019	ND	8.0000		
Chromium, total	ug/L	MW-39	09/04/2019	ND	8.0000		
Chromium, total	ug/L	MW-39	03/26/2020	ND	8.0000		
Chromium, total	ug/L	MW-39	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-39	03/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-39	09/07/2021	ND	8.0000		
Chromium, total	ug/L	MW-39	03/24/2022	ND	8.0000		
Chromium, total	ug/L	MW-39	08/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-39	03/02/2023	ND	8.0000		
Chromium, total	ug/L	MW-39	09/12/2023	ND	8.0000		
Chromium, total	ug/L	MW-39	03/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-39	09/23/2024	ND	8.0000		
Chromium, total	ug/L	MW-39	03/12/2025	ND	8.0000		
Chromium, total	ug/L	MW-39	09/03/2025	ND	1.0000		*
Chromium, total	ug/L	MW-48	09/24/2014	ND	8.0000		
Chromium, total	ug/L	MW-48	12/05/2014	ND	8.0000		
Chromium, total	ug/L	MW-48	03/11/2015	ND	8.0000		
Chromium, total	ug/L	MW-48	06/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-48	09/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-48	03/22/2016	ND	8.0000		
Chromium, total	ug/L	MW-48	09/14/2016	ND	8.0000		
Chromium, total	ug/L	MW-48	03/23/2017	ND	8.0000		
Chromium, total	ug/L	MW-48	09/08/2017	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-48	03/19/2018	ND	8.0000		
Chromium, total	ug/L	MW-48	09/11/2018	ND	8.0000		
Chromium, total	ug/L	MW-48	03/26/2019	ND	8.0000		
Chromium, total	ug/L	MW-48	09/04/2019	ND	8.0000		
Chromium, total	ug/L	MW-48	03/26/2020	ND	8.0000		
Chromium, total	ug/L	MW-48	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-48	03/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-48	09/07/2021	ND	8.0000		
Chromium, total	ug/L	MW-48	03/24/2022	ND	8.0000		
Chromium, total	ug/L	MW-48	08/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-48	03/02/2023	ND	8.0000		
Chromium, total	ug/L	MW-48	09/12/2023	ND	8.0000		
Chromium, total	ug/L	MW-48	03/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-48	09/23/2024	ND	8.0000		
Chromium, total	ug/L	MW-48	03/12/2025	ND	8.0000		
Chromium, total	ug/L	MW-48	09/03/2025	ND	1.0000		*
Chromium, total	ug/L	MW-78	09/24/2014	ND	8.0000		
Chromium, total	ug/L	MW-78	12/05/2014	ND	8.0000		
Chromium, total	ug/L	MW-78	03/11/2015	ND	8.0000		
Chromium, total	ug/L	MW-78	06/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-78	09/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-78	03/22/2016	ND	8.0000		
Chromium, total	ug/L	MW-78	09/15/2016	ND	8.0000		
Chromium, total	ug/L	MW-78	03/23/2017	ND	8.0000		
Chromium, total	ug/L	MW-78	09/08/2017	ND	8.0000		
Chromium, total	ug/L	MW-78	03/19/2018	ND	8.0000		
Chromium, total	ug/L	MW-78	09/11/2018	ND	8.0000		
Chromium, total	ug/L	MW-78	03/26/2019	ND	8.0000		
Chromium, total	ug/L	MW-78	09/04/2019	ND	8.0000		
Chromium, total	ug/L	MW-78	03/26/2020	ND	8.0000		
Chromium, total	ug/L	MW-78	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-78	03/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-78	09/07/2021	ND	8.0000		
Chromium, total	ug/L	MW-78	03/24/2022	ND	8.0000		
Chromium, total	ug/L	MW-78	08/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-78	03/02/2023	ND	8.0000		
Chromium, total	ug/L	MW-78	09/12/2023	ND	8.0000		
Chromium, total	ug/L	MW-78	03/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-78	09/23/2024	ND	8.0000		
Chromium, total	ug/L	MW-78	03/12/2025	ND	8.0000		
Chromium, total	ug/L	MW-78	09/03/2025	ND	1.0000		*
Chromium, total	ug/L	SW-101	09/14/2016	ND	8.0000		
Chromium, total	ug/L	SW-101	03/23/2017	ND	8.0000		
Chromium, total	ug/L	SW-101	09/08/2017	ND	8.0000		
Chromium, total	ug/L	SW-101	03/19/2018	ND	8.0000		
Chromium, total	ug/L	SW-101	09/11/2018	ND	8.0000		
Chromium, total	ug/L	SW-101	03/26/2019	ND	8.0000		
Chromium, total	ug/L	SW-101	09/04/2019	ND	8.0000		
Cobalt, total	ug/L	MW-39	09/24/2014	ND	0.8000		
Cobalt, total	ug/L	MW-39	12/05/2014	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/11/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	06/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/17/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/22/2016	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/15/2016	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/23/2017	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/08/2017	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/19/2018	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/11/2018	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/26/2019	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/04/2019	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/26/2020	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/15/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	03/02/2021	ND	0.8000		
Cobalt, total	ug/L	MW-39	09/07/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	03/24/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	08/31/2022	ND	0.8000		
Cobalt, total	ug/L	MW-39	03/02/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	09/12/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	03/04/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	09/23/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	03/12/2025	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	09/03/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-48	09/24/2014	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-48	12/05/2014	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/11/2015	ND	0.8000		
Cobalt, total	ug/L	MW-48	06/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/22/2016	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/14/2016	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/23/2017	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/08/2017	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/19/2018	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/11/2018	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/26/2019	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/04/2019	ND	0.8000		
Cobalt, total	ug/L	MW-48	03/26/2020	ND	0.8000		
Cobalt, total	ug/L	MW-48	09/15/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/02/2021		0.9000		
Cobalt, total	ug/L	MW-48	09/07/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/24/2022		0.4000		
Cobalt, total	ug/L	MW-48	08/31/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/02/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	09/12/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/04/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	09/23/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	03/12/2025	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-48	09/03/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-78	09/24/2014	ND	0.8000		
Cobalt, total	ug/L	MW-78	12/05/2014	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/11/2015	ND	0.8000		
Cobalt, total	ug/L	MW-78	06/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/16/2015	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/22/2016	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/15/2016	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/23/2017	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/08/2017	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/19/2018	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/11/2018	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/26/2019	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/04/2019	ND	0.8000		
Cobalt, total	ug/L	MW-78	03/26/2020	ND	0.8000		
Cobalt, total	ug/L	MW-78	09/15/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/02/2021		1.0000		
Cobalt, total	ug/L	MW-78	09/07/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/24/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	08/31/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/02/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	09/12/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/04/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	09/23/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	03/12/2025	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-78	09/03/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	SW-101	09/14/2016		4.5000		
Cobalt, total	ug/L	SW-101	03/23/2017		4.2000		
Cobalt, total	ug/L	SW-101	09/08/2017		6.9000		
Cobalt, total	ug/L	SW-101	03/19/2018		2.3000		
Cobalt, total	ug/L	SW-101	09/11/2018		1.9000		
Cobalt, total	ug/L	SW-101	03/26/2019		1.8000		
Cobalt, total	ug/L	SW-101	09/04/2019		5.9000		
Copper, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Copper, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Copper, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Copper, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Copper, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Copper, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Copper, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Copper, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Copper, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Copper, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Copper, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Copper, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Copper, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Copper, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Copper, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Copper, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Copper, total	ug/L	MW-39	03/24/2022	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Copper, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Copper, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Copper, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Copper, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Copper, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Copper, total	ug/L	MW-39	09/03/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Copper, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Copper, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Copper, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Copper, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Copper, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Copper, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Copper, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Copper, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Copper, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Copper, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Copper, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Copper, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Copper, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Copper, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Copper, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Copper, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Copper, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Copper, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Copper, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Copper, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Copper, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Copper, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Copper, total	ug/L	MW-48	09/03/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Copper, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Copper, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Copper, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Copper, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Copper, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Copper, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Copper, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Copper, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Copper, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Copper, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Copper, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Copper, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Copper, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Copper, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Copper, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Copper, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Copper, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Copper, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Copper, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Copper, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Copper, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Copper, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Copper, total	ug/L	MW-78	09/03/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Copper, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Copper, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Copper, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Copper, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Copper, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Copper, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Lead, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Lead, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Lead, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Lead, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Lead, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Lead, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Lead, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Lead, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Lead, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Lead, total	ug/L	MW-39	03/19/2018	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-39	09/11/2018	ND	4.0000		
Lead, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Lead, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Lead, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Lead, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Lead, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Lead, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Lead, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Lead, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Lead, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Lead, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Lead, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Lead, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Lead, total	ug/L	MW-39	09/03/2025	ND	1.0000		*
Lead, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Lead, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Lead, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Lead, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Lead, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Lead, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Lead, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Lead, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Lead, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Lead, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Lead, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Lead, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Lead, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Lead, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Lead, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Lead, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Lead, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Lead, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Lead, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Lead, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Lead, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Lead, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Lead, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Lead, total	ug/L	MW-48	09/03/2025	ND	1.0000		*
Lead, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Lead, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Lead, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Lead, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Lead, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Lead, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Lead, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Lead, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Lead, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Lead, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Lead, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Lead, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Lead, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Lead, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Lead, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Lead, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Lead, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Lead, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Lead, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Lead, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Lead, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Lead, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Lead, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Lead, total	ug/L	MW-78	09/03/2025	ND	1.0000		*
Lead, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Lead, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Lead, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Lead, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Lead, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Lead, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Lead, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Nickel, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Nickel, total	ug/L	MW-39	12/05/2014	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Nickel, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Nickel, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Nickel, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Nickel, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Nickel, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Nickel, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Nickel, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Nickel, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Nickel, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Nickel, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Nickel, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Nickel, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Nickel, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Nickel, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Nickel, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Nickel, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Nickel, total	ug/L	MW-39	09/03/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Nickel, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Nickel, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Nickel, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Nickel, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Nickel, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Nickel, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Nickel, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Nickel, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Nickel, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Nickel, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Nickel, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Nickel, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Nickel, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Nickel, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Nickel, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Nickel, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Nickel, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Nickel, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Nickel, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Nickel, total	ug/L	MW-48	09/03/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Nickel, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Nickel, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Nickel, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-78	09/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Nickel, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Nickel, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Nickel, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Nickel, total	ug/L	MW-78	03/19/2018	ND	4.0000		
Nickel, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Nickel, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Nickel, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Nickel, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Nickel, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Nickel, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Nickel, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Nickel, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Nickel, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Nickel, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Nickel, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Nickel, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Nickel, total	ug/L	MW-78	09/03/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	SW-101	09/14/2016		8.7000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	SW-101	03/23/2017		5.4000		
Nickel, total	ug/L	SW-101	09/08/2017		8.6000		
Nickel, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Nickel, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Nickel, total	ug/L	SW-101	03/26/2019		4.2000		
Nickel, total	ug/L	SW-101	09/04/2019		7.5000		
Selenium, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Selenium, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Selenium, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Selenium, total	ug/L	MW-39	09/15/2016	ND	4.0000		
Selenium, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Selenium, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Selenium, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Selenium, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Selenium, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Selenium, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Selenium, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Selenium, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Selenium, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Selenium, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Selenium, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Selenium, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Selenium, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Selenium, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Selenium, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Selenium, total	ug/L	MW-39	09/03/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Selenium, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Selenium, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Selenium, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Selenium, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Selenium, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Selenium, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Selenium, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Selenium, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Selenium, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Selenium, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Selenium, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Selenium, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Selenium, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Selenium, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Selenium, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Selenium, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Selenium, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Selenium, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Selenium, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Selenium, total	ug/L	MW-48	09/03/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-78	09/24/2014		5.4000		
Selenium, total	ug/L	MW-78	12/05/2014		5.6000		
Selenium, total	ug/L	MW-78	03/11/2015		6.5000		
Selenium, total	ug/L	MW-78	06/16/2015		8.6000		
Selenium, total	ug/L	MW-78	09/16/2015		8.1000		
Selenium, total	ug/L	MW-78	03/22/2016		8.9000		
Selenium, total	ug/L	MW-78	09/15/2016		9.4000		
Selenium, total	ug/L	MW-78	03/23/2017		10.6000		
Selenium, total	ug/L	MW-78	09/08/2017		6.9000		
Selenium, total	ug/L	MW-78	03/19/2018		8.3000		
Selenium, total	ug/L	MW-78	09/11/2018		5.6000		
Selenium, total	ug/L	MW-78	03/26/2019		9.5000		
Selenium, total	ug/L	MW-78	09/04/2019		6.8000		
Selenium, total	ug/L	MW-78	03/26/2020		5.4000		
Selenium, total	ug/L	MW-78	09/15/2020		8.5000		
Selenium, total	ug/L	MW-78	03/02/2021		9.4000		
Selenium, total	ug/L	MW-78	09/07/2021		4.9000		
Selenium, total	ug/L	MW-78	03/24/2022		6.3000		

* - 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	
Selenium, total	ug/L	MW-78	08/31/2022		6.2000		
Selenium, total	ug/L	MW-78	03/02/2023		7.9000		
Selenium, total	ug/L	MW-78	09/12/2023		5.8000		
Selenium, total	ug/L	MW-78	03/04/2024		5.7000		
Selenium, total	ug/L	MW-78	09/23/2024		4.1000		
Selenium, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Selenium, total	ug/L	MW-78	09/03/2025		6.0000		
Selenium, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Selenium, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Selenium, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Selenium, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Selenium, total	ug/L	SW-101	09/11/2018	ND	4.0000		
Selenium, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Selenium, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Silver, total	ug/L	MW-39	09/24/2014	ND	4.0000		
Silver, total	ug/L	MW-39	12/05/2014	ND	4.0000		
Silver, total	ug/L	MW-39	03/11/2015	ND	4.0000		
Silver, total	ug/L	MW-39	06/16/2015	ND	4.0000		
Silver, total	ug/L	MW-39	09/17/2015	ND	4.0000		
Silver, total	ug/L	MW-39	03/22/2016	ND	4.0000		
Silver, total	ug/L	MW-39	09/15/2016		6.4000		
Silver, total	ug/L	MW-39	03/23/2017	ND	4.0000		
Silver, total	ug/L	MW-39	09/08/2017	ND	4.0000		
Silver, total	ug/L	MW-39	03/19/2018	ND	4.0000		
Silver, total	ug/L	MW-39	09/11/2018	ND	4.0000		
Silver, total	ug/L	MW-39	03/26/2019	ND	4.0000		
Silver, total	ug/L	MW-39	09/04/2019	ND	4.0000		
Silver, total	ug/L	MW-39	03/26/2020	ND	4.0000		
Silver, total	ug/L	MW-39	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-39	03/02/2021	ND	4.0000		
Silver, total	ug/L	MW-39	09/07/2021	ND	4.0000		
Silver, total	ug/L	MW-39	03/24/2022	ND	4.0000		
Silver, total	ug/L	MW-39	08/31/2022	ND	4.0000		
Silver, total	ug/L	MW-39	03/02/2023	ND	4.0000		
Silver, total	ug/L	MW-39	09/12/2023	ND	4.0000		
Silver, total	ug/L	MW-39	03/04/2024	ND	4.0000		
Silver, total	ug/L	MW-39	09/23/2024	ND	4.0000		
Silver, total	ug/L	MW-39	03/12/2025	ND	4.0000		
Silver, total	ug/L	MW-39	09/03/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-48	09/24/2014	ND	4.0000		
Silver, total	ug/L	MW-48	12/05/2014	ND	4.0000		
Silver, total	ug/L	MW-48	03/11/2015	ND	4.0000		
Silver, total	ug/L	MW-48	06/16/2015	ND	4.0000		
Silver, total	ug/L	MW-48	09/16/2015	ND	4.0000		
Silver, total	ug/L	MW-48	03/22/2016	ND	4.0000		
Silver, total	ug/L	MW-48	09/14/2016	ND	4.0000		
Silver, total	ug/L	MW-48	03/23/2017	ND	4.0000		
Silver, total	ug/L	MW-48	09/08/2017	ND	4.0000		
Silver, total	ug/L	MW-48	03/19/2018	ND	4.0000		
Silver, total	ug/L	MW-48	09/11/2018	ND	4.0000		
Silver, total	ug/L	MW-48	03/26/2019	ND	4.0000		
Silver, total	ug/L	MW-48	09/04/2019	ND	4.0000		
Silver, total	ug/L	MW-48	03/26/2020	ND	4.0000		
Silver, total	ug/L	MW-48	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-48	03/02/2021	ND	4.0000		
Silver, total	ug/L	MW-48	09/07/2021	ND	4.0000		
Silver, total	ug/L	MW-48	03/24/2022	ND	4.0000		
Silver, total	ug/L	MW-48	08/31/2022	ND	4.0000		
Silver, total	ug/L	MW-48	03/02/2023	ND	4.0000		
Silver, total	ug/L	MW-48	09/12/2023	ND	4.0000		
Silver, total	ug/L	MW-48	03/04/2024	ND	4.0000		
Silver, total	ug/L	MW-48	09/23/2024	ND	4.0000		
Silver, total	ug/L	MW-48	03/12/2025	ND	4.0000		
Silver, total	ug/L	MW-48	09/03/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-78	09/24/2014	ND	4.0000		
Silver, total	ug/L	MW-78	12/05/2014	ND	4.0000		
Silver, total	ug/L	MW-78	03/11/2015	ND	4.0000		
Silver, total	ug/L	MW-78	06/16/2015	ND	4.0000		
Silver, total	ug/L	MW-78	03/22/2016	ND	4.0000		
Silver, total	ug/L	MW-78	09/15/2016	ND	4.0000		
Silver, total	ug/L	MW-78	03/23/2017	ND	4.0000		
Silver, total	ug/L	MW-78	09/08/2017	ND	4.0000		
Silver, total	ug/L	MW-78	03/19/2018	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Silver, total	ug/L	MW-78	09/11/2018	ND	4.0000		
Silver, total	ug/L	MW-78	03/26/2019	ND	4.0000		
Silver, total	ug/L	MW-78	09/04/2019	ND	4.0000		
Silver, total	ug/L	MW-78	03/26/2020	ND	4.0000		
Silver, total	ug/L	MW-78	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-78	03/02/2021	ND	4.0000		
Silver, total	ug/L	MW-78	09/07/2021	ND	4.0000		
Silver, total	ug/L	MW-78	03/24/2022	ND	4.0000		
Silver, total	ug/L	MW-78	08/31/2022	ND	4.0000		
Silver, total	ug/L	MW-78	03/02/2023	ND	4.0000		
Silver, total	ug/L	MW-78	09/12/2023	ND	4.0000		
Silver, total	ug/L	MW-78	03/04/2024	ND	4.0000		
Silver, total	ug/L	MW-78	09/23/2024	ND	4.0000		
Silver, total	ug/L	MW-78	03/12/2025	ND	4.0000		
Silver, total	ug/L	MW-78	09/03/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	SW-101	09/14/2016	ND	4.0000		
Silver, total	ug/L	SW-101	03/23/2017	ND	4.0000		
Silver, total	ug/L	SW-101	09/08/2017	ND	4.0000		
Silver, total	ug/L	SW-101	03/19/2018	ND	4.0000		
Silver, total	ug/L	SW-101	09/11/2018	ND	8.0000	4.0000	**
Silver, total	ug/L	SW-101	03/26/2019	ND	4.0000		
Silver, total	ug/L	SW-101	09/04/2019	ND	4.0000		
Thallium, total	ug/L	MW-39	09/24/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	12/05/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	03/11/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	06/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	09/17/2015		2.4000		
Thallium, total	ug/L	MW-39	03/22/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	09/15/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	03/23/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	09/08/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	03/19/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	09/11/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	03/26/2019	ND	2.0000		
Thallium, total	ug/L	MW-39	09/04/2019	ND	2.0000		
Thallium, total	ug/L	MW-39	03/26/2020	ND	2.0000		
Thallium, total	ug/L	MW-39	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-39	03/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-39	09/07/2021	ND	2.0000		
Thallium, total	ug/L	MW-39	03/24/2022	ND	2.0000		
Thallium, total	ug/L	MW-39	08/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-39	03/02/2023	ND	2.0000		
Thallium, total	ug/L	MW-39	09/12/2023	ND	2.0000		
Thallium, total	ug/L	MW-39	03/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-39	09/23/2024	ND	2.0000		
Thallium, total	ug/L	MW-39	03/12/2025	ND	2.0000		
Thallium, total	ug/L	MW-39	09/03/2025	ND	0.5000		*
Thallium, total	ug/L	MW-48	09/24/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	12/05/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/11/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	06/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	09/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/22/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	09/14/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/23/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	09/08/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/19/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	09/11/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-48	03/26/2019	ND	2.0000		
Thallium, total	ug/L	MW-48	09/04/2019	ND	2.0000		
Thallium, total	ug/L	MW-48	03/26/2020	ND	2.0000		
Thallium, total	ug/L	MW-48	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-48	03/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-48	09/07/2021	ND	2.0000		
Thallium, total	ug/L	MW-48	03/24/2022	ND	2.0000		
Thallium, total	ug/L	MW-48	08/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-48	03/02/2023	ND	2.0000		
Thallium, total	ug/L	MW-48	09/12/2023	ND	2.0000		
Thallium, total	ug/L	MW-48	03/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-48	09/23/2024	ND	2.0000		
Thallium, total	ug/L	MW-48	03/12/2025	ND	2.0000		
Thallium, total	ug/L	MW-48	09/03/2025	ND	0.5000		*
Thallium, total	ug/L	MW-78	09/24/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	12/05/2014	ND	4.0000	2.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-78	03/11/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	06/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	09/16/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/22/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	09/15/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/23/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	09/08/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/19/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	09/11/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-78	03/26/2019	ND	2.0000		
Thallium, total	ug/L	MW-78	09/04/2019	ND	2.0000		
Thallium, total	ug/L	MW-78	03/26/2020	ND	2.0000		
Thallium, total	ug/L	MW-78	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-78	03/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-78	09/07/2021	ND	2.0000		
Thallium, total	ug/L	MW-78	03/24/2022	ND	2.0000		
Thallium, total	ug/L	MW-78	08/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-78	03/02/2023	ND	2.0000		
Thallium, total	ug/L	MW-78	09/12/2023	ND	2.0000		
Thallium, total	ug/L	MW-78	03/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-78	09/23/2024	ND	2.0000		
Thallium, total	ug/L	MW-78	03/12/2025	ND	2.0000		
Thallium, total	ug/L	MW-78	09/03/2025	ND	0.5000		*
Thallium, total	ug/L	SW-101	09/14/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	03/23/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	09/08/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	03/19/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	09/11/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	SW-101	03/26/2019	ND	2.0000		
Thallium, total	ug/L	SW-101	09/04/2019	ND	2.0000		
Vanadium, total	ug/L	MW-39	09/24/2014	ND	20.0000		
Vanadium, total	ug/L	MW-39	12/05/2014	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/11/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	06/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/17/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/22/2016	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/15/2016	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/23/2017	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/08/2017	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/19/2018	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/11/2018	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/26/2019	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/04/2019	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/26/2020	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/07/2021	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/24/2022	ND	20.0000		
Vanadium, total	ug/L	MW-39	08/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/02/2023	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/12/2023	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/23/2024	ND	20.0000		
Vanadium, total	ug/L	MW-39	03/12/2025	ND	20.0000		
Vanadium, total	ug/L	MW-39	09/03/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-48	09/24/2014	ND	20.0000		
Vanadium, total	ug/L	MW-48	12/05/2014	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/11/2015	ND	20.0000		
Vanadium, total	ug/L	MW-48	06/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/22/2016	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/14/2016	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/23/2017	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/08/2017	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/19/2018	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/11/2018	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/26/2019	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/04/2019	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/26/2020	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/07/2021	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/24/2022	ND	20.0000		
Vanadium, total	ug/L	MW-48	08/31/2022	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-48	03/02/2023	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/12/2023	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/23/2024	ND	20.0000		
Vanadium, total	ug/L	MW-48	03/12/2025	ND	20.0000		
Vanadium, total	ug/L	MW-48	09/03/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-78	09/24/2014	ND	20.0000		
Vanadium, total	ug/L	MW-78	12/05/2014	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/11/2015	ND	20.0000		
Vanadium, total	ug/L	MW-78	06/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/22/2016	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/15/2016	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/23/2017	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/08/2017	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/19/2018	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/11/2018	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/26/2019	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/04/2019	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/26/2020	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/07/2021	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/24/2022	ND	20.0000		
Vanadium, total	ug/L	MW-78	08/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/02/2023	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/12/2023	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/23/2024	ND	20.0000		
Vanadium, total	ug/L	MW-78	03/12/2025	ND	20.0000		
Vanadium, total	ug/L	MW-78	09/03/2025	ND	2.0000		*
Vanadium, total	ug/L	SW-101	09/14/2016	ND	20.0000		
Vanadium, total	ug/L	SW-101	03/23/2017	ND	20.0000		
Vanadium, total	ug/L	SW-101	09/08/2017	ND	20.0000		
Vanadium, total	ug/L	SW-101	03/19/2018	ND	20.0000		
Vanadium, total	ug/L	SW-101	09/11/2018	ND	20.0000		
Vanadium, total	ug/L	SW-101	03/26/2019	ND	20.0000		
Vanadium, total	ug/L	SW-101	09/04/2019	ND	20.0000		
Zinc, total	ug/L	MW-39	09/24/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	12/05/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	03/11/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	06/16/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	09/17/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	03/22/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	09/15/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	03/23/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	09/08/2017	ND	20.0000		
Zinc, total	ug/L	MW-39	03/19/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	09/11/2018	ND	20.0000		
Zinc, total	ug/L	MW-39	03/26/2019		24.6000		
Zinc, total	ug/L	MW-39	09/04/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	03/26/2020	ND	20.0000		
Zinc, total	ug/L	MW-39	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-39	03/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-39	09/07/2021	ND	20.0000		
Zinc, total	ug/L	MW-39	03/24/2022	ND	20.0000		
Zinc, total	ug/L	MW-39	08/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-39	03/02/2023	ND	20.0000		
Zinc, total	ug/L	MW-39	09/12/2023	ND	20.0000		
Zinc, total	ug/L	MW-39	03/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-39	09/23/2024	ND	20.0000		
Zinc, total	ug/L	MW-39	03/12/2025	ND	20.0000		
Zinc, total	ug/L	MW-39	09/03/2025	ND	5.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/24/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	12/05/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	03/11/2015		32.3000		
Zinc, total	ug/L	MW-48	06/16/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/16/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	03/22/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/14/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	03/23/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/08/2017	ND	20.0000		
Zinc, total	ug/L	MW-48	03/19/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	09/11/2018	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-48	03/26/2019	ND	20.0000		
Zinc, total	ug/L	MW-48	09/04/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-48	03/26/2020	ND	20.0000		
Zinc, total	ug/L	MW-48	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-48	03/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-48	09/07/2021	ND	20.0000		
Zinc, total	ug/L	MW-48	03/24/2022	ND	20.0000		
Zinc, total	ug/L	MW-48	08/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-48	03/02/2023	ND	20.0000		
Zinc, total	ug/L	MW-48	09/12/2023	ND	20.0000		
Zinc, total	ug/L	MW-48	03/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-48	09/23/2024	ND	20.0000		
Zinc, total	ug/L	MW-48	03/12/2025	ND	20.0000		
Zinc, total	ug/L	MW-48	09/03/2025		9.6000		
Zinc, total	ug/L	MW-78	09/24/2014		10.7000		
Zinc, total	ug/L	MW-78	12/05/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	03/11/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	06/16/2015		8.4000		
Zinc, total	ug/L	MW-78	09/16/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	03/22/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	09/15/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	03/23/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	09/08/2017	ND	20.0000		
Zinc, total	ug/L	MW-78	03/19/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-78	09/11/2018	ND	20.0000		
Zinc, total	ug/L	MW-78	03/26/2019	ND	20.0000		
Zinc, total	ug/L	MW-78	09/04/2019		17.6000		
Zinc, total	ug/L	MW-78	03/26/2020	ND	20.0000		
Zinc, total	ug/L	MW-78	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-78	03/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-78	09/07/2021	ND	20.0000		
Zinc, total	ug/L	MW-78	03/24/2022	ND	20.0000		
Zinc, total	ug/L	MW-78	08/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-78	03/02/2023	ND	20.0000		
Zinc, total	ug/L	MW-78	09/12/2023	ND	20.0000		
Zinc, total	ug/L	MW-78	03/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-78	09/23/2024	ND	20.0000		
Zinc, total	ug/L	MW-78	03/12/2025	ND	20.0000		
Zinc, total	ug/L	MW-78	09/03/2025		6.4000		
Zinc, total	ug/L	SW-101	09/14/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	SW-101	03/23/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	SW-101	09/08/2017	ND	20.0000		
Zinc, total	ug/L	SW-101	03/19/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	SW-101	09/11/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	SW-101	03/26/2019	ND	20.0000		
Zinc, total	ug/L	SW-101	09/04/2019	ND	8.0000	20.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, total	ug/L	MW-44	09/03/2025	ND	1.0000		2.0000
Antimony, total	ug/L	MW-56	09/03/2025		2.2000	*	2.0000
Antimony, total	ug/L	MW-57	09/03/2025	ND	1.0000		2.0000
Antimony, total	ug/L	MW-64	09/03/2025	ND	1.0000		2.0000
Antimony, total	ug/L	MW-65	09/03/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-44	09/03/2025		5.5000	**	7.3000
Arsenic, total	ug/L	MW-56	09/03/2025	ND	2.0000		7.3000
Arsenic, total	ug/L	MW-57	09/03/2025	ND	2.0000		7.3000
Arsenic, total	ug/L	MW-64	09/03/2025		23.5000	***	7.3000
Arsenic, total	ug/L	MW-65	09/03/2025		13.2000	*	7.3000
Barium, total	ug/L	MW-44	09/03/2025		152.0000		357.0000
Barium, total	ug/L	MW-56	09/03/2025		46.0000		357.0000
Barium, total	ug/L	MW-57	09/03/2025		343.0000		357.0000
Barium, total	ug/L	MW-64	09/03/2025		48.1000		357.0000
Barium, total	ug/L	MW-65	09/03/2025		77.3000		357.0000
Beryllium, total	ug/L	MW-44	09/03/2025	ND	0.5000		4.0000
Beryllium, total	ug/L	MW-56	09/03/2025	ND	0.5000		4.0000
Beryllium, total	ug/L	MW-57	09/03/2025	ND	0.5000		4.0000
Beryllium, total	ug/L	MW-64	09/03/2025	ND	0.5000		4.0000
Beryllium, total	ug/L	MW-65	09/03/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-44	09/03/2025	ND	0.2000		0.8000
Cadmium, total	ug/L	MW-56	09/03/2025	ND	0.2000		0.8000
Cadmium, total	ug/L	MW-57	09/03/2025	ND	0.2000		0.8000
Cadmium, total	ug/L	MW-64	09/03/2025	ND	0.2000		0.8000
Cadmium, total	ug/L	MW-65	09/03/2025		0.8000	*	0.8000
Chromium, total	ug/L	MW-44	09/03/2025		1.2000		8.0000
Chromium, total	ug/L	MW-56	09/03/2025	ND	1.0000		8.0000
Chromium, total	ug/L	MW-57	09/03/2025		1.0000		8.0000
Chromium, total	ug/L	MW-64	09/03/2025		1.2000		8.0000
Chromium, total	ug/L	MW-65	09/03/2025		1.7000		8.0000
Cobalt, total	ug/L	MW-44	09/03/2025		8.9000	***	6.9000
Cobalt, total	ug/L	MW-56	09/03/2025		3.3000		6.9000
Cobalt, total	ug/L	MW-57	09/03/2025		0.5000		6.9000
Cobalt, total	ug/L	MW-64	09/03/2025		15.9000	***	6.9000
Cobalt, total	ug/L	MW-65	09/03/2025		15.6000	*	6.9000
Copper, total	ug/L	MW-44	09/03/2025		9.9000	*	4.0000
Copper, total	ug/L	MW-56	09/03/2025	ND	5.0000		4.0000
Copper, total	ug/L	MW-57	09/03/2025	ND	5.0000		4.0000
Copper, total	ug/L	MW-64	09/03/2025	ND	5.0000		4.0000
Copper, total	ug/L	MW-65	09/03/2025		8.1000	*	4.0000
Lead, total	ug/L	MW-44	09/03/2025	ND	1.0000		4.0000
Lead, total	ug/L	MW-56	09/03/2025	ND	1.0000		4.0000
Lead, total	ug/L	MW-57	09/03/2025	ND	1.0000		4.0000
Lead, total	ug/L	MW-64	09/03/2025	ND	1.0000		4.0000
Lead, total	ug/L	MW-65	09/03/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-44	09/03/2025		12.0000	***	8.7000
Nickel, total	ug/L	MW-56	09/03/2025		6.8000		8.7000
Nickel, total	ug/L	MW-57	09/03/2025	ND	5.0000		8.7000
Nickel, total	ug/L	MW-64	09/03/2025		40.3000	***	8.7000
Nickel, total	ug/L	MW-65	09/03/2025		40.6000	***	8.7000
Selenium, total	ug/L	MW-44	09/03/2025	ND	2.0000		10.6000
Selenium, total	ug/L	MW-56	09/03/2025	ND	2.0000		10.6000
Selenium, total	ug/L	MW-57	09/03/2025	ND	2.0000		10.6000
Selenium, total	ug/L	MW-64	09/03/2025		2.1000		10.6000
Selenium, total	ug/L	MW-65	09/03/2025	ND	2.0000		10.6000
Silver, total	ug/L	MW-44	09/03/2025	ND	5.0000		6.4000
Silver, total	ug/L	MW-56	09/03/2025	ND	5.0000		6.4000
Silver, total	ug/L	MW-57	09/03/2025	ND	5.0000		6.4000
Silver, total	ug/L	MW-64	09/03/2025	ND	5.0000		6.4000
Silver, total	ug/L	MW-65	09/03/2025	ND	5.0000		6.4000
Thallium, total	ug/L	MW-44	09/03/2025	ND	0.5000		2.4000
Thallium, total	ug/L	MW-56	09/03/2025	ND	0.5000		2.4000
Thallium, total	ug/L	MW-57	09/03/2025	ND	0.5000		2.4000
Thallium, total	ug/L	MW-64	09/03/2025	ND	0.5000		2.4000
Thallium, total	ug/L	MW-65	09/03/2025	ND	0.5000		2.4000
Vanadium, total	ug/L	MW-44	09/03/2025	ND	2.0000		20.0000
Vanadium, total	ug/L	MW-56	09/03/2025	ND	2.0000		20.0000
Vanadium, total	ug/L	MW-57	09/03/2025	ND	2.0000		20.0000
Vanadium, total	ug/L	MW-64	09/03/2025	ND	2.0000		20.0000
Vanadium, total	ug/L	MW-65	09/03/2025		2.1000		20.0000
Zinc, total	ug/L	MW-44	09/03/2025		25.1000		32.3000
Zinc, total	ug/L	MW-56	09/03/2025		13.3000		32.3000

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

Table 2**Most Current Downgradient Monitoring Data**

Constituent	Units	Well	Date		Result		Pred. Limit
Zinc, total	ug/L	MW-57	09/03/2025		14.8000		32.3000
Zinc, total	ug/L	MW-64	09/03/2025		27.2000		32.3000
Zinc, total	ug/L	MW-65	09/03/2025		56.8000	*	32.3000

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

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

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	0	82	0.000	1	90	0.011
Arsenic, total	2	82	0.024	45	91	0.495
Barium, total	82	82	1.000	94	94	1.000
Beryllium, total	0	79	0.000	0	90	0.000
Cadmium, total	0	79	0.000	1	90	0.011
Chromium, total	0	79	0.000	4	90	0.044
Cobalt, total	12	82	0.146	78	91	0.857
Copper, total	0	82	0.000	12	91	0.132
Lead, total	0	79	0.000	1	90	0.011
Nickel, total	5	82	0.061	71	91	0.780
Selenium, total	24	82	0.293	2	90	0.022
Silver, total	1	82	0.012	0	90	0.000
Thallium, total	1	79	0.013	0	90	0.000
Vanadium, total	0	79	0.000	1	90	0.011
Zinc, total	7	82	0.085	25	90	0.278

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	82	0.000									nonpar
Arsenic, total	2	82	0.024									nonpar
Barium, total	82	82	1.000	2.942	3.181					2.326	non-norm	nonpar
Beryllium, total	0	79	0.000									nonpar
Cadmium, total	0	79	0.000									nonpar
Chromium, total	0	79	0.000									nonpar
Cobalt, total	12	82	0.146	0.421	0.600					2.326	normal	nonpar
Copper, total	0	82	0.000									nonpar
Lead, total	0	79	0.000									nonpar
Nickel, total	5	82	0.061	0.460	0.593					2.326	normal	nonpar
Selenium, total	24	82	0.293	0.677	0.217					2.326	normal	nonpar
Silver, total	1	82	0.012									nonpar
Thallium, total	1	79	0.013									nonpar
Vanadium, total	0	79	0.000									nonpar
Zinc, total	7	82	0.085	0.007	1.085					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	82					2.0000	nonpar	***	0.99
Arsenic, total	ug/L	2	82					7.3000	nonpar		0.99
Barium, total	ug/L	82	82					357.0000	nonpar		0.99
Beryllium, total	ug/L	0	79					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	0	79					0.8000	nonpar	***	0.99
Chromium, total	ug/L	0	79					8.0000	nonpar	***	0.99
Cobalt, total	ug/L	12	82					6.9000	nonpar		0.99
Copper, total	ug/L	0	82					4.0000	nonpar	***	0.99
Lead, total	ug/L	0	79					4.0000	nonpar	***	0.99
Nickel, total	ug/L	5	82					8.7000	nonpar		0.99
Selenium, total	ug/L	24	82					10.6000	nonpar		0.99
Silver, total	ug/L	1	82					6.4000	nonpar		0.99
Thallium, total	ug/L	1	79					2.4000	nonpar		0.99
Vanadium, total	ug/L	0	79					20.0000	nonpar	***	0.99
Zinc, total	ug/L	7	82					32.3000	nonpar		0.99

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

* - Insufficient Data.

** - Calculated limit raised to Manual Reporting Limit.

*** - Nonparametric limit based on ND value.

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

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

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

Table 6

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

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Beryllium, total	ug/L	MW-39	09/03/2025	0.5000	< 0.5000	09/24/2014-09/03/2025	25	0.4893
Beryllium, total	ug/L	MW-48	09/03/2025	0.5000	< 0.5000	09/24/2014-09/03/2025	25	0.4893
Beryllium, total	ug/L	MW-78	09/03/2025	0.5000	< 0.5000	09/24/2014-09/03/2025	25	0.4893
Cadmium, total	ug/L	MW-39	09/03/2025	0.2000	< 0.2000	09/24/2014-09/03/2025	25	0.4893
Cadmium, total	ug/L	MW-48	09/03/2025	0.2000	< 0.2000	09/24/2014-09/03/2025	25	0.4893
Cadmium, total	ug/L	MW-78	09/03/2025	0.2000	< 0.2000	09/24/2014-09/03/2025	25	0.4893
Chromium, total	ug/L	MW-39	09/03/2025	1.0000	< 1.0000	09/24/2014-09/03/2025	25	0.4893
Chromium, total	ug/L	MW-48	09/03/2025	1.0000	< 1.0000	09/24/2014-09/03/2025	25	0.4893
Chromium, total	ug/L	MW-78	09/03/2025	1.0000	< 1.0000	09/24/2014-09/03/2025	25	0.4893
Lead, total	ug/L	MW-39	09/03/2025	1.0000	< 1.0000	09/24/2014-09/03/2025	25	0.4893
Lead, total	ug/L	MW-48	09/03/2025	1.0000	< 1.0000	09/24/2014-09/03/2025	25	0.4893
Lead, total	ug/L	MW-78	09/03/2025	1.0000	< 1.0000	09/24/2014-09/03/2025	25	0.4893
Thallium, total	ug/L	MW-39	09/03/2025	0.5000	< 0.5000	09/24/2014-09/03/2025	25	0.4893
Thallium, total	ug/L	MW-48	09/03/2025	0.5000	< 0.5000	09/24/2014-09/03/2025	25	0.4893
Thallium, total	ug/L	MW-78	09/03/2025	0.5000	< 0.5000	09/24/2014-09/03/2025	25	0.4893
Vanadium, total	ug/L	MW-39	09/03/2025	2.0000	< 2.0000	09/24/2014-09/03/2025	25	0.4893
Vanadium, total	ug/L	MW-48	09/03/2025	2.0000	< 2.0000	09/24/2014-09/03/2025	25	0.4893
Vanadium, total	ug/L	MW-78	09/03/2025	2.0000	< 2.0000	09/24/2014-09/03/2025	25	0.4893

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
Antimony, total	ug/L	MW-56	09/14/2016	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	09/08/2017	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	03/19/2018	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	09/11/2018	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	03/26/2019	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	09/04/2019	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	03/26/2020	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	09/15/2020	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	03/02/2021	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	09/07/2021	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	03/24/2022	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	08/31/2022	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	03/02/2023	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	09/12/2023	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	03/04/2024	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	09/23/2024	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	03/12/2025	ND	2.0000		2.0000
Antimony, total	ug/L	MW-56	09/03/2025		2.2000 *		2.0000
Arsenic, total	ug/L	MW-44	09/14/2016	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-44	09/08/2017		5.6000		7.3000
Arsenic, total	ug/L	MW-44	12/05/2017	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-44	03/19/2018	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-44	09/11/2018	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-44	03/26/2019		6.6000		7.3000
Arsenic, total	ug/L	MW-44	09/04/2019		7.9000 *		7.3000
Arsenic, total	ug/L	MW-44	03/26/2020	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-44	09/15/2020		13.1000 *		7.3000
Arsenic, total	ug/L	MW-44	03/02/2021	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-44	09/07/2021		9.4000 *		7.3000
Arsenic, total	ug/L	MW-44	03/24/2022		7.6000 *		7.3000
Arsenic, total	ug/L	MW-44	08/31/2022		10.0000 *		7.3000
Arsenic, total	ug/L	MW-44	03/02/2023	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-44	09/12/2023		10.8000 *		7.3000
Arsenic, total	ug/L	MW-44	03/04/2024		4.1000		7.3000
Arsenic, total	ug/L	MW-44	09/23/2024		11.9000 *		7.3000
Arsenic, total	ug/L	MW-44	03/12/2025		8.9000 *		7.3000
Arsenic, total	ug/L	MW-44	09/03/2025		5.5000		7.3000
Arsenic, total	ug/L	MW-64	09/14/2016		21.6000 *		7.3000
Arsenic, total	ug/L	MW-64	09/08/2017		7.9000 *		7.3000
Arsenic, total	ug/L	MW-64	03/19/2018		19.3000 *		7.3000
Arsenic, total	ug/L	MW-64	09/11/2018		24.2000 *		7.3000
Arsenic, total	ug/L	MW-64	03/26/2019		40.2000 *		7.3000
Arsenic, total	ug/L	MW-64	09/04/2019		22.2000 *		7.3000
Arsenic, total	ug/L	MW-64	03/26/2020		40.3000 *		7.3000
Arsenic, total	ug/L	MW-64	09/15/2020		21.1000 *		7.3000
Arsenic, total	ug/L	MW-64	03/02/2021		20.2000 *		7.3000
Arsenic, total	ug/L	MW-64	09/07/2021		25.2000 *		7.3000
Arsenic, total	ug/L	MW-64	03/24/2022		19.2000 *		7.3000
Arsenic, total	ug/L	MW-64	08/31/2022		27.4000 *		7.3000
Arsenic, total	ug/L	MW-64	03/02/2023		26.4000 *		7.3000
Arsenic, total	ug/L	MW-64	09/12/2023		23.1000 *		7.3000
Arsenic, total	ug/L	MW-64	03/04/2024		29.6000 *		7.3000
Arsenic, total	ug/L	MW-64	09/23/2024		30.6000 *		7.3000
Arsenic, total	ug/L	MW-64	03/12/2025		25.7000 *		7.3000
Arsenic, total	ug/L	MW-64	09/03/2025		23.5000 *		7.3000
Arsenic, total	ug/L	MW-65	09/14/2016		8.0000 *		7.3000
Arsenic, total	ug/L	MW-65	09/08/2017	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-65	03/19/2018	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-65	09/11/2018	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-65	03/26/2019		5.8000		7.3000
Arsenic, total	ug/L	MW-65	09/04/2019		4.0000		7.3000
Arsenic, total	ug/L	MW-65	03/26/2020	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-65	09/15/2020		4.1000		7.3000
Arsenic, total	ug/L	MW-65	03/02/2021	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-65	09/07/2021	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-65	03/24/2022	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-65	08/31/2022		4.3000		7.3000
Arsenic, total	ug/L	MW-65	03/02/2023		9.5000 *		7.3000
Arsenic, total	ug/L	MW-65	09/12/2023	ND	4.0000		7.3000
Arsenic, total	ug/L	MW-65	03/04/2024		6.7000		7.3000
Arsenic, total	ug/L	MW-65	09/23/2024		7.9000 *		7.3000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, total	ug/L	MW-65	03/12/2025		4.3000		7.3000
Arsenic, total	ug/L	MW-65	09/03/2025		13.2000	*	7.3000
Cadmium, total	ug/L	MW-65	09/14/2016	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	09/08/2017	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	03/19/2018	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	09/11/2018	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	03/26/2019	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	09/04/2019	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	03/26/2020	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	09/15/2020	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	03/02/2021	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	09/07/2021	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	03/24/2022	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	08/31/2022	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	03/02/2023	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	09/12/2023	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	03/04/2024	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	09/23/2024	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	03/12/2025	ND	0.8000		0.8000
Cadmium, total	ug/L	MW-65	09/03/2025		0.8000	**	0.8000
Cobalt, total	ug/L	MW-44	09/14/2016		6.3000		6.9000
Cobalt, total	ug/L	MW-44	09/08/2017		7.3000	*	6.9000
Cobalt, total	ug/L	MW-44	12/05/2017		8.7000	*	6.9000
Cobalt, total	ug/L	MW-44	03/19/2018		8.9000	*	6.9000
Cobalt, total	ug/L	MW-44	09/11/2018		8.4000	*	6.9000
Cobalt, total	ug/L	MW-44	03/26/2019		10.2000	*	6.9000
Cobalt, total	ug/L	MW-44	09/04/2019		8.7000	*	6.9000
Cobalt, total	ug/L	MW-44	03/26/2020		9.2000	*	6.9000
Cobalt, total	ug/L	MW-44	09/15/2020		14.5000	*	6.9000
Cobalt, total	ug/L	MW-44	03/02/2021		8.8000	*	6.9000
Cobalt, total	ug/L	MW-44	09/07/2021		8.1000	*	6.9000
Cobalt, total	ug/L	MW-44	03/24/2022		11.0000	*	6.9000
Cobalt, total	ug/L	MW-44	08/31/2022		11.6000	*	6.9000
Cobalt, total	ug/L	MW-44	03/02/2023		8.8000	*	6.9000
Cobalt, total	ug/L	MW-44	09/12/2023		10.7000	*	6.9000
Cobalt, total	ug/L	MW-44	03/04/2024		9.7000	*	6.9000
Cobalt, total	ug/L	MW-44	09/23/2024		10.3000	*	6.9000
Cobalt, total	ug/L	MW-44	03/12/2025		10.3000	*	6.9000
Cobalt, total	ug/L	MW-44	09/03/2025		8.9000	*	6.9000
Cobalt, total	ug/L	MW-64	09/14/2016		27.0000	*	6.9000
Cobalt, total	ug/L	MW-64	09/08/2017		34.4000	*	6.9000
Cobalt, total	ug/L	MW-64	03/19/2018		19.1000	*	6.9000
Cobalt, total	ug/L	MW-64	09/11/2018		25.1000	*	6.9000
Cobalt, total	ug/L	MW-64	03/26/2019		16.1000	*	6.9000
Cobalt, total	ug/L	MW-64	09/04/2019		23.0000	*	6.9000
Cobalt, total	ug/L	MW-64	03/26/2020		14.7000	*	6.9000
Cobalt, total	ug/L	MW-64	09/15/2020		20.8000	*	6.9000
Cobalt, total	ug/L	MW-64	03/02/2021		14.6000	*	6.9000
Cobalt, total	ug/L	MW-64	09/07/2021		21.0000	*	6.9000
Cobalt, total	ug/L	MW-64	03/24/2022		11.8000	*	6.9000
Cobalt, total	ug/L	MW-64	08/31/2022		21.6000	*	6.9000
Cobalt, total	ug/L	MW-64	03/02/2023		11.0000	*	6.9000
Cobalt, total	ug/L	MW-64	09/12/2023		18.7000	*	6.9000
Cobalt, total	ug/L	MW-64	03/04/2024		12.0000	*	6.9000
Cobalt, total	ug/L	MW-64	09/23/2024		17.9000	*	6.9000
Cobalt, total	ug/L	MW-64	03/12/2025		11.1000	*	6.9000
Cobalt, total	ug/L	MW-64	09/03/2025		15.9000	*	6.9000
Cobalt, total	ug/L	MW-65	09/14/2016		10.7000	*	6.9000
Cobalt, total	ug/L	MW-65	09/08/2017		3.1000		6.9000
Cobalt, total	ug/L	MW-65	03/19/2018		8.8000	*	6.9000
Cobalt, total	ug/L	MW-65	09/11/2018		11.3000	*	6.9000
Cobalt, total	ug/L	MW-65	03/26/2019		10.0000	*	6.9000
Cobalt, total	ug/L	MW-65	09/04/2019		3.7000		6.9000
Cobalt, total	ug/L	MW-65	03/26/2020		1.6000		6.9000
Cobalt, total	ug/L	MW-65	09/15/2020		2.7000		6.9000
Cobalt, total	ug/L	MW-65	03/02/2021		3.2000		6.9000
Cobalt, total	ug/L	MW-65	09/07/2021		2.1000		6.9000
Cobalt, total	ug/L	MW-65	03/24/2022		0.7000		6.9000
Cobalt, total	ug/L	MW-65	08/31/2022		5.5000		6.9000
Cobalt, total	ug/L	MW-65	03/02/2023		9.3000	*	6.9000
Cobalt, total	ug/L	MW-65	09/12/2023		5.2000		6.9000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result		Pred. Limit
Cobalt, total	ug/L	MW-65	03/04/2024		9.2000	*	6.9000
Cobalt, total	ug/L	MW-65	09/23/2024		3.4000		6.9000
Cobalt, total	ug/L	MW-65	03/12/2025		3.6000		6.9000
Cobalt, total	ug/L	MW-65	09/03/2025		15.6000	*	6.9000
Copper, total	ug/L	MW-44	09/14/2016	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	09/08/2017	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	03/19/2018	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	09/11/2018	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	03/26/2019	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	09/04/2019	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	03/26/2020	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	09/15/2020	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	03/02/2021	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	09/07/2021	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	03/24/2022	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	08/31/2022	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	03/02/2023	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	09/12/2023	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	03/04/2024	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	09/23/2024	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	03/12/2025	ND	4.0000		4.0000
Copper, total	ug/L	MW-44	09/03/2025		9.9000	*	4.0000
Copper, total	ug/L	MW-65	09/14/2016		6.7000	*	4.0000
Copper, total	ug/L	MW-65	09/08/2017	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	03/19/2018	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	09/11/2018		8.0000	*	4.0000
Copper, total	ug/L	MW-65	03/26/2019		4.0000	**	4.0000
Copper, total	ug/L	MW-65	09/04/2019	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	03/26/2020	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	09/15/2020	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	03/02/2021		10.3000	*	4.0000
Copper, total	ug/L	MW-65	09/07/2021	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	03/24/2022	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	08/31/2022		4.4000	*	4.0000
Copper, total	ug/L	MW-65	03/02/2023		5.2000	*	4.0000
Copper, total	ug/L	MW-65	09/12/2023	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	03/04/2024	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	09/23/2024		8.7000	*	4.0000
Copper, total	ug/L	MW-65	03/12/2025	ND	4.0000		4.0000
Copper, total	ug/L	MW-65	09/03/2025		8.1000	*	4.0000
Nickel, total	ug/L	MW-44	09/14/2016		17.3000	*	8.7000
Nickel, total	ug/L	MW-44	09/08/2017		16.0000	*	8.7000
Nickel, total	ug/L	MW-44	03/19/2018		12.7000	*	8.7000
Nickel, total	ug/L	MW-44	09/11/2018		12.8000	*	8.7000
Nickel, total	ug/L	MW-44	03/26/2019		11.9000	*	8.7000
Nickel, total	ug/L	MW-44	09/04/2019		11.7000	*	8.7000
Nickel, total	ug/L	MW-44	03/26/2020		13.2000	*	8.7000
Nickel, total	ug/L	MW-44	09/15/2020		26.2000	*	8.7000
Nickel, total	ug/L	MW-44	03/02/2021		9.7000	*	8.7000
Nickel, total	ug/L	MW-44	09/07/2021		13.2000	*	8.7000
Nickel, total	ug/L	MW-44	03/24/2022		12.2000	*	8.7000
Nickel, total	ug/L	MW-44	08/31/2022		13.5000	*	8.7000
Nickel, total	ug/L	MW-44	03/02/2023		10.0000	*	8.7000
Nickel, total	ug/L	MW-44	09/12/2023		13.2000	*	8.7000
Nickel, total	ug/L	MW-44	03/04/2024		10.0000	*	8.7000
Nickel, total	ug/L	MW-44	09/23/2024		10.9000	*	8.7000
Nickel, total	ug/L	MW-44	03/12/2025		8.8000	*	8.7000
Nickel, total	ug/L	MW-44	09/03/2025		12.0000	*	8.7000
Nickel, total	ug/L	MW-64	09/14/2016		56.3000	*	8.7000
Nickel, total	ug/L	MW-64	09/08/2017		73.1000	*	8.7000
Nickel, total	ug/L	MW-64	03/19/2018		46.2000	*	8.7000
Nickel, total	ug/L	MW-64	09/11/2018		55.4000	*	8.7000
Nickel, total	ug/L	MW-64	03/26/2019		41.6000	*	8.7000
Nickel, total	ug/L	MW-64	09/04/2019		45.9000	*	8.7000
Nickel, total	ug/L	MW-64	03/26/2020		39.4000	*	8.7000
Nickel, total	ug/L	MW-64	09/15/2020		46.6000	*	8.7000
Nickel, total	ug/L	MW-64	03/02/2021		35.4000	*	8.7000
Nickel, total	ug/L	MW-64	09/07/2021		49.9000	*	8.7000
Nickel, total	ug/L	MW-64	03/24/2022		33.0000	*	8.7000
Nickel, total	ug/L	MW-64	08/31/2022		49.9000	*	8.7000
Nickel, total	ug/L	MW-64	03/02/2023		30.6000	*	8.7000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result		Pred. Limit
Nickel, total	ug/L	MW-64	09/12/2023		43.1000	*	8.7000
Nickel, total	ug/L	MW-64	03/04/2024		32.0000	*	8.7000
Nickel, total	ug/L	MW-64	09/23/2024		42.6000	*	8.7000
Nickel, total	ug/L	MW-64	03/12/2025		30.7000	*	8.7000
Nickel, total	ug/L	MW-64	09/03/2025		40.3000	*	8.7000
Nickel, total	ug/L	MW-65	09/14/2016		28.2000	*	8.7000
Nickel, total	ug/L	MW-65	09/08/2017		10.9000	*	8.7000
Nickel, total	ug/L	MW-65	03/19/2018		15.3000	*	8.7000
Nickel, total	ug/L	MW-65	09/11/2018		24.8000	*	8.7000
Nickel, total	ug/L	MW-65	03/26/2019		12.3000	*	8.7000
Nickel, total	ug/L	MW-65	09/04/2019		9.2000	*	8.7000
Nickel, total	ug/L	MW-65	03/26/2020		7.6000		8.7000
Nickel, total	ug/L	MW-65	09/15/2020		5.8000		8.7000
Nickel, total	ug/L	MW-65	03/02/2021		7.4000		8.7000
Nickel, total	ug/L	MW-65	09/07/2021		4.5000		8.7000
Nickel, total	ug/L	MW-65	03/24/2022	ND	4.0000		8.7000
Nickel, total	ug/L	MW-65	08/31/2022		13.0000	*	8.7000
Nickel, total	ug/L	MW-65	03/02/2023		20.7000	*	8.7000
Nickel, total	ug/L	MW-65	09/12/2023		7.3000		8.7000
Nickel, total	ug/L	MW-65	03/04/2024		14.9000	*	8.7000
Nickel, total	ug/L	MW-65	09/23/2024		13.5000	*	8.7000
Nickel, total	ug/L	MW-65	03/12/2025		12.0000	*	8.7000
Nickel, total	ug/L	MW-65	09/03/2025		40.6000	*	8.7000
Zinc, total	ug/L	MW-65	09/14/2016		38.3000	*	32.3000
Zinc, total	ug/L	MW-65	09/08/2017		23.5000		32.3000
Zinc, total	ug/L	MW-65	03/19/2018		13.9000		32.3000
Zinc, total	ug/L	MW-65	09/11/2018		21.7000		32.3000
Zinc, total	ug/L	MW-65	03/26/2019		50.5000	*	32.3000
Zinc, total	ug/L	MW-65	09/04/2019	ND	20.0000		32.3000
Zinc, total	ug/L	MW-65	03/26/2020	ND	20.0000		32.3000
Zinc, total	ug/L	MW-65	09/15/2020	ND	20.0000		32.3000
Zinc, total	ug/L	MW-65	03/02/2021	ND	20.0000		32.3000
Zinc, total	ug/L	MW-65	09/07/2021	ND	20.0000		32.3000
Zinc, total	ug/L	MW-65	03/24/2022	ND	20.0000		32.3000
Zinc, total	ug/L	MW-65	08/31/2022	ND	20.0000		32.3000
Zinc, total	ug/L	MW-65	03/02/2023		25.7000		32.3000
Zinc, total	ug/L	MW-65	09/12/2023	ND	20.0000		32.3000
Zinc, total	ug/L	MW-65	03/04/2024		21.5000		32.3000
Zinc, total	ug/L	MW-65	09/23/2024		29.4000		32.3000
Zinc, total	ug/L	MW-65	03/12/2025	ND	20.0000		32.3000
Zinc, total	ug/L	MW-65	09/03/2025		56.8000	*	32.3000

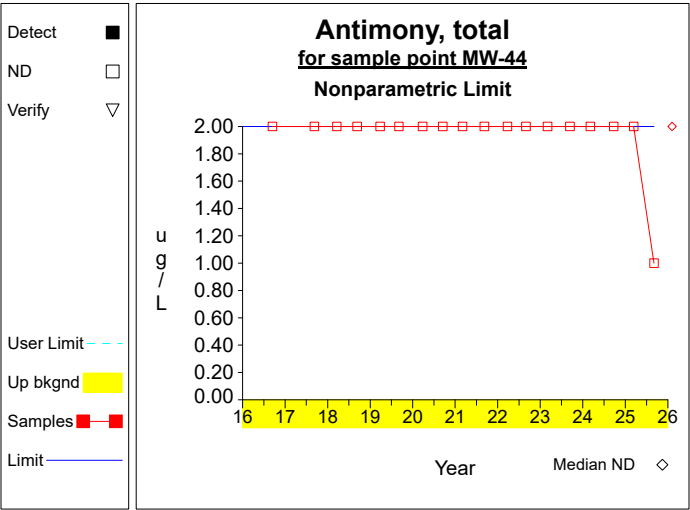
* - Significantly increased over background.

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

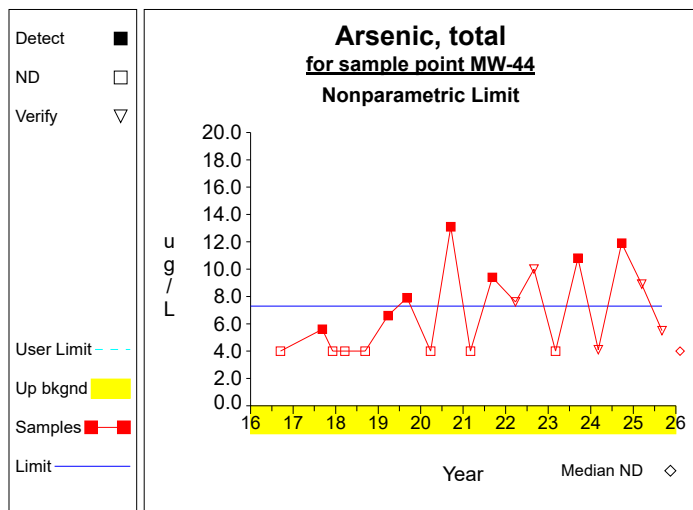
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

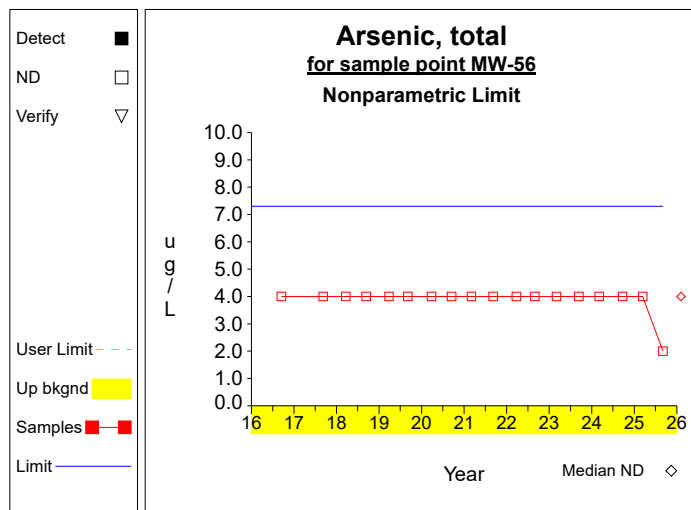
Up vs. Down Prediction Limits



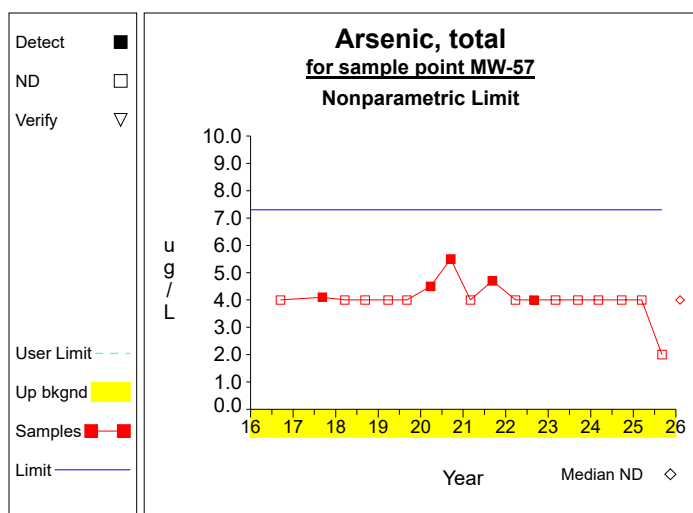
Up vs. Down Prediction Limits



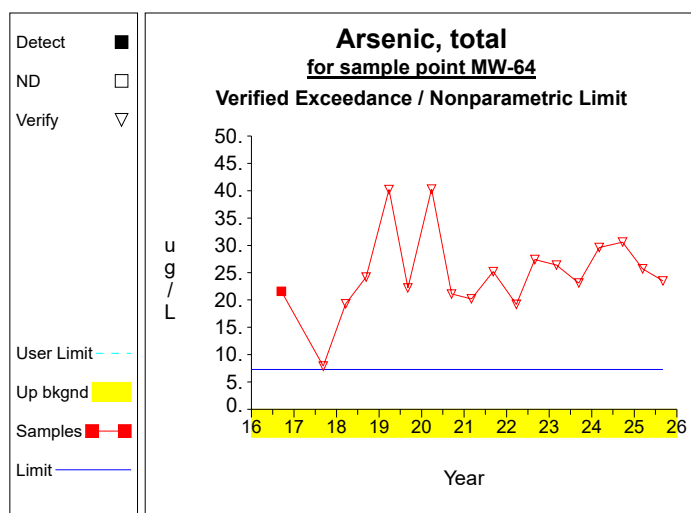
Graph 6



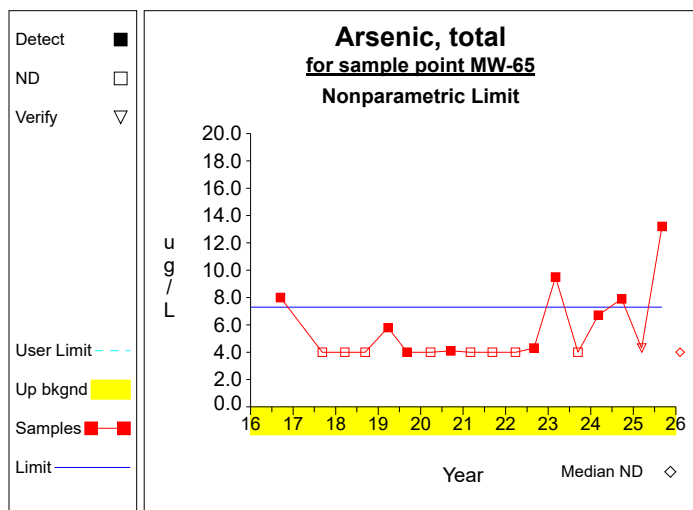
Graph 7



Graph 8

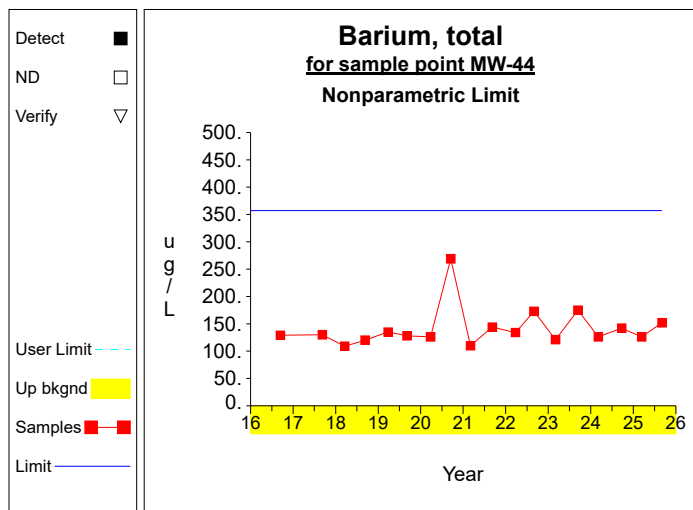


Graph 9

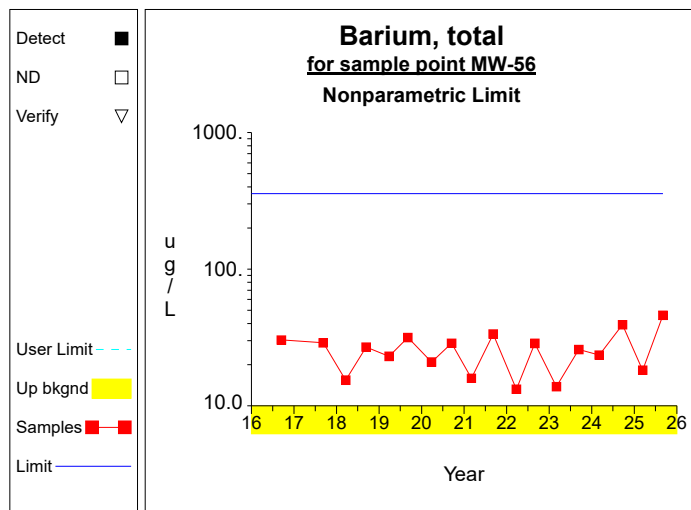


Graph 10

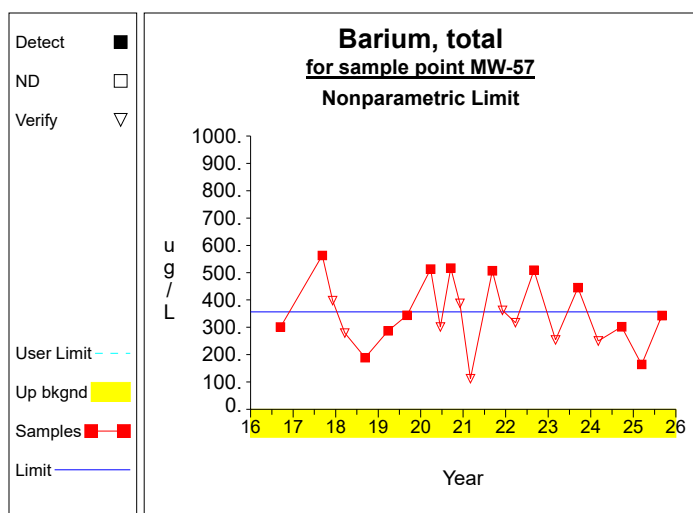
Up vs. Down Prediction Limits



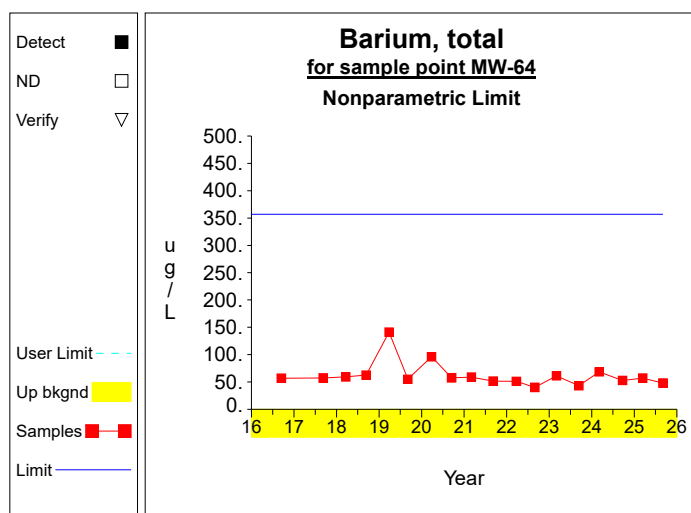
Graph 11



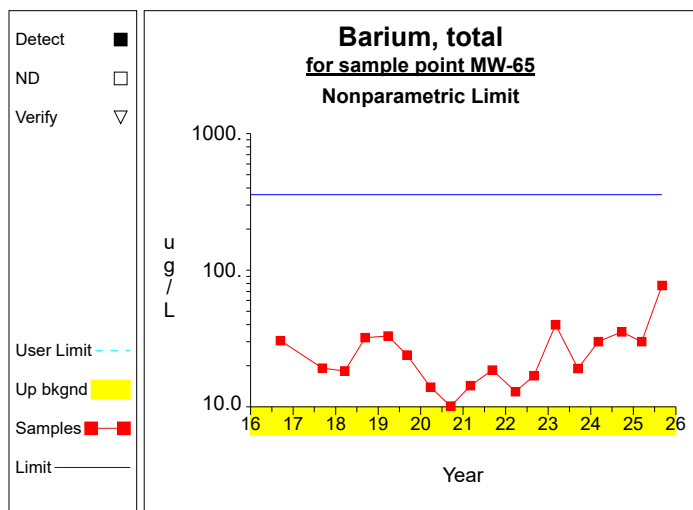
Graph 12



Graph 13

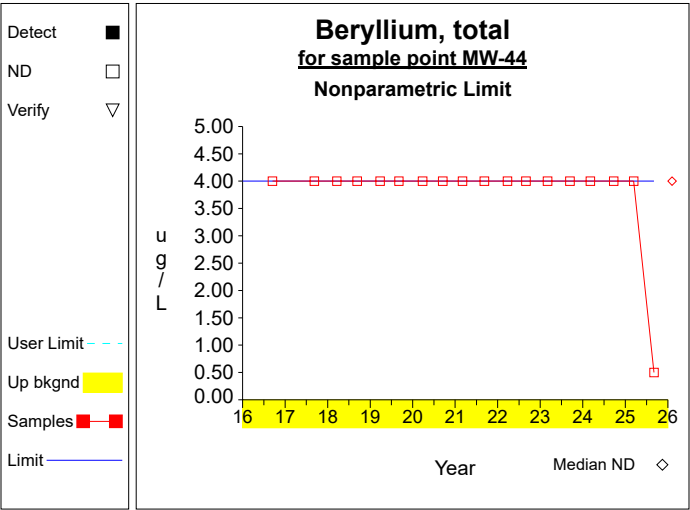


Graph 14

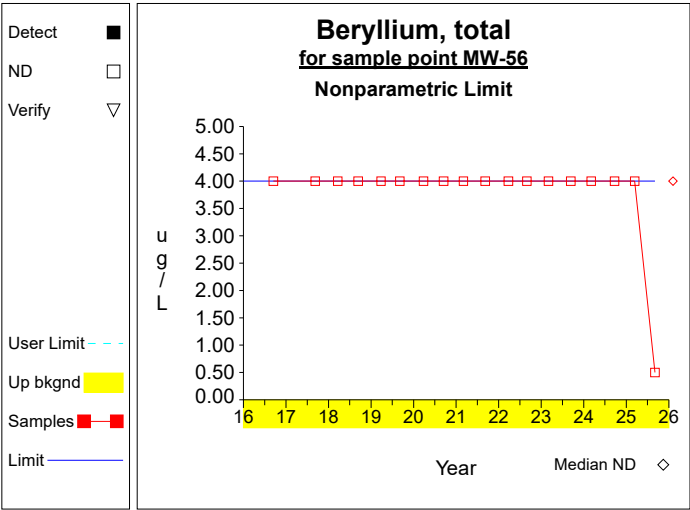


Graph 15

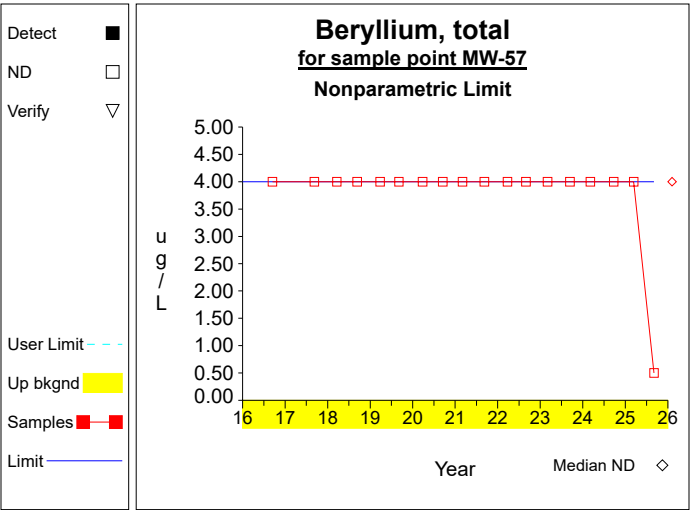
Up vs. Down Prediction Limits



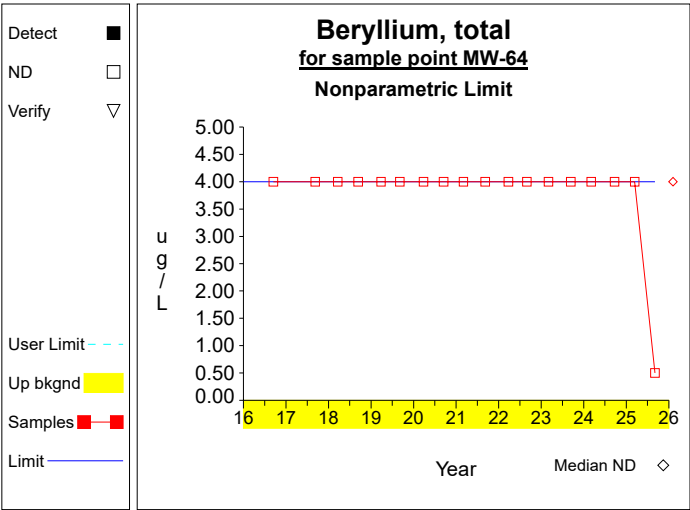
Graph 16



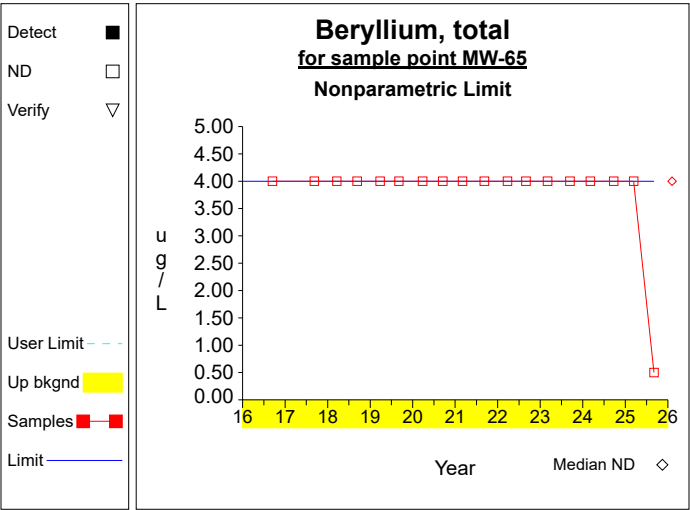
Graph 17



Graph 18

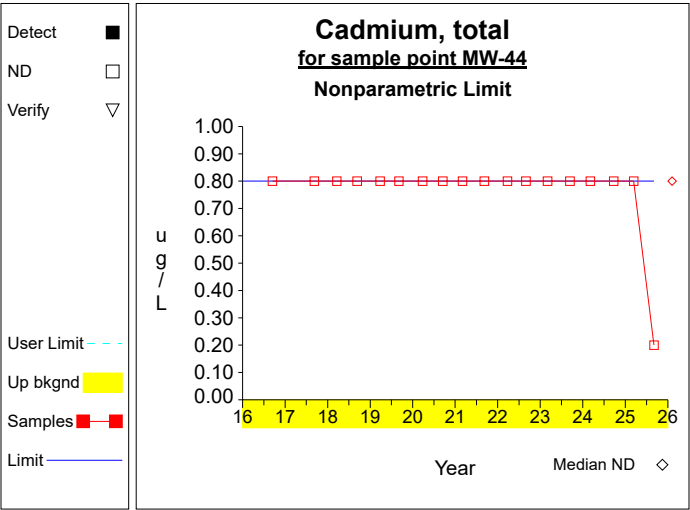


Graph 19

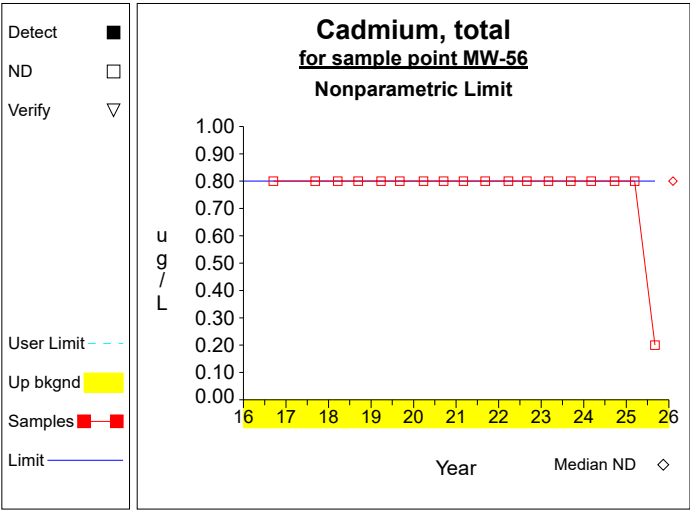


Graph 20

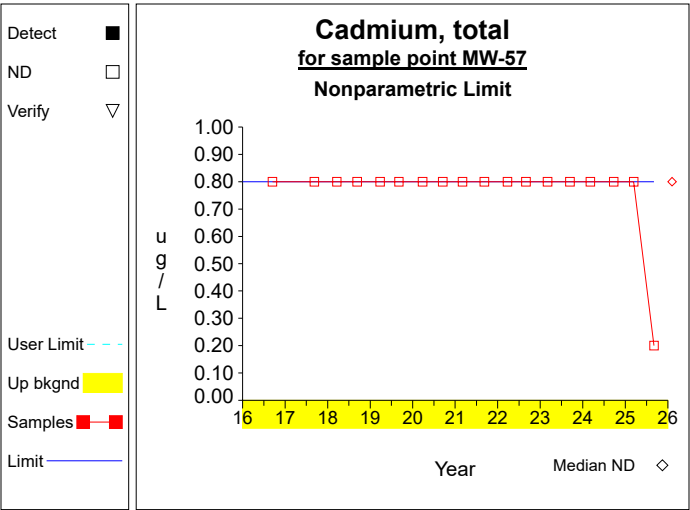
Up vs. Down Prediction Limits



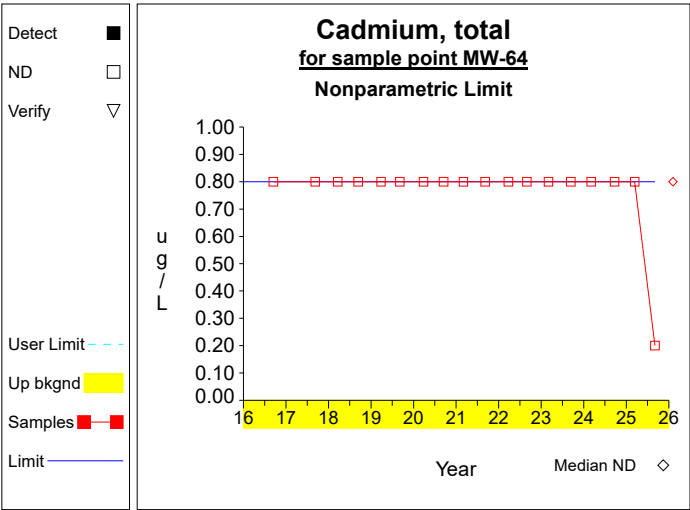
Graph 21



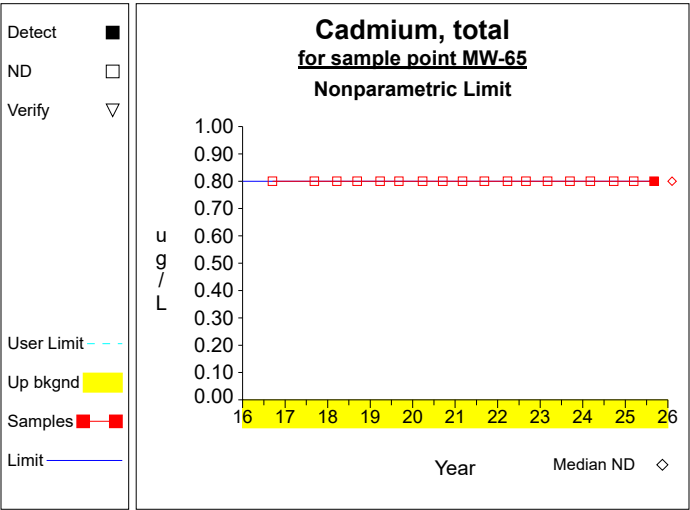
Graph 22



Graph 23

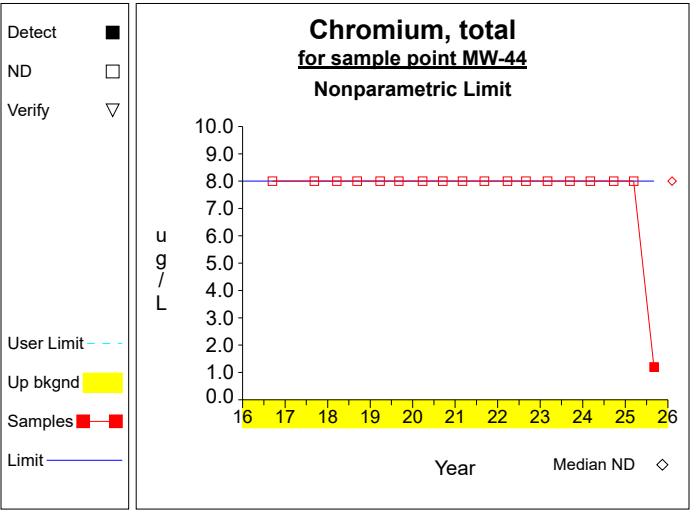


Graph 24

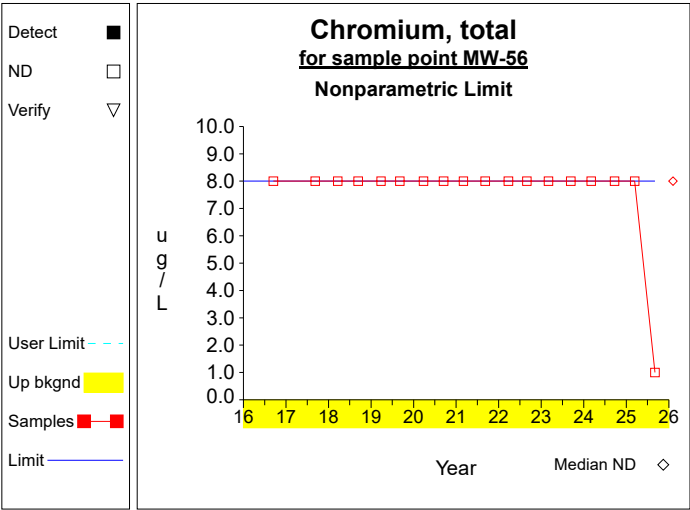


Graph 25

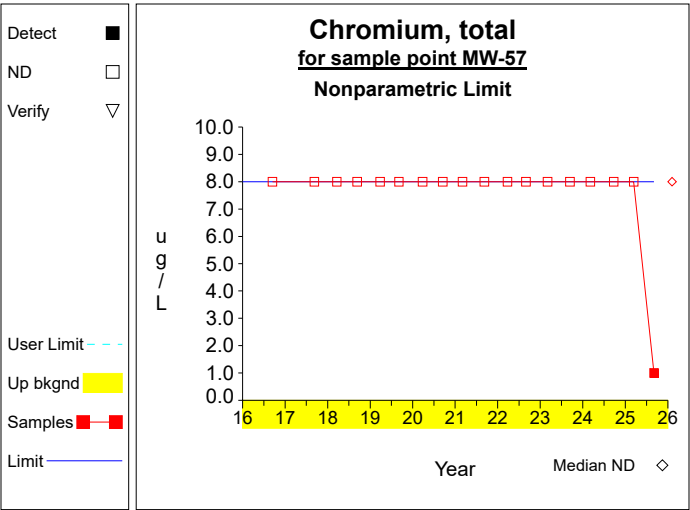
Up vs. Down Prediction Limits



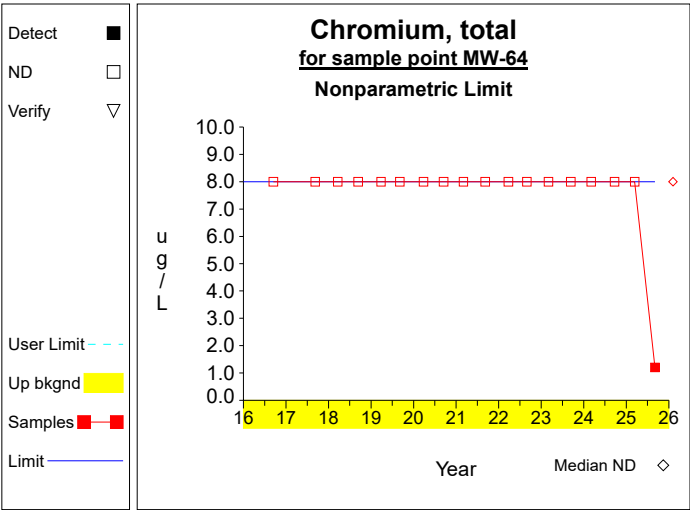
Graph 26



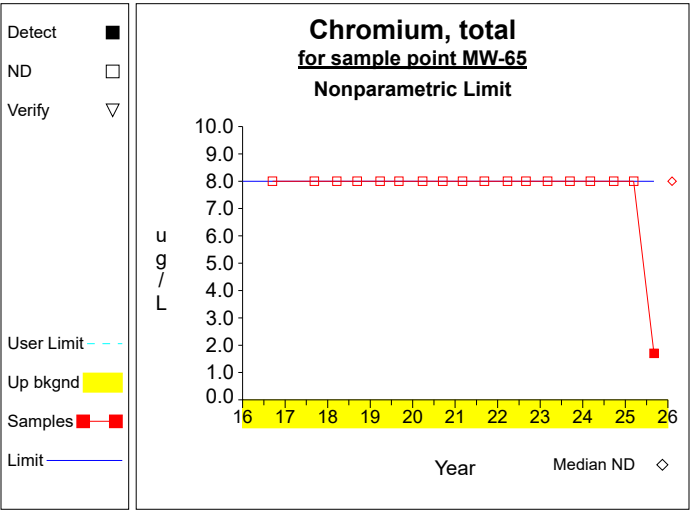
Graph 27



Graph 28

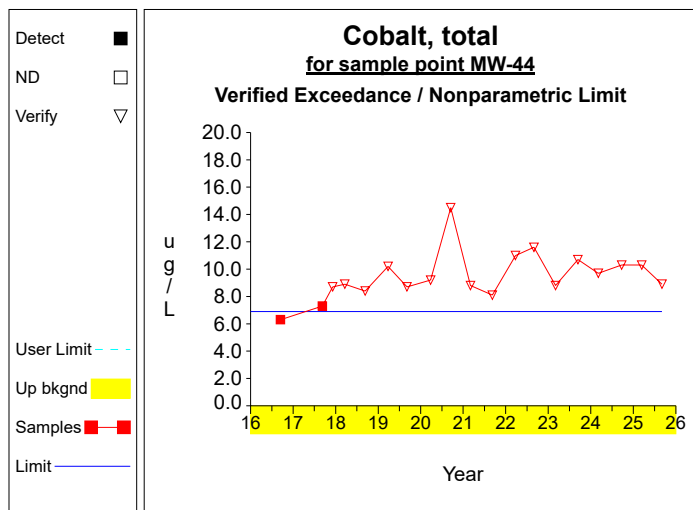


Graph 29

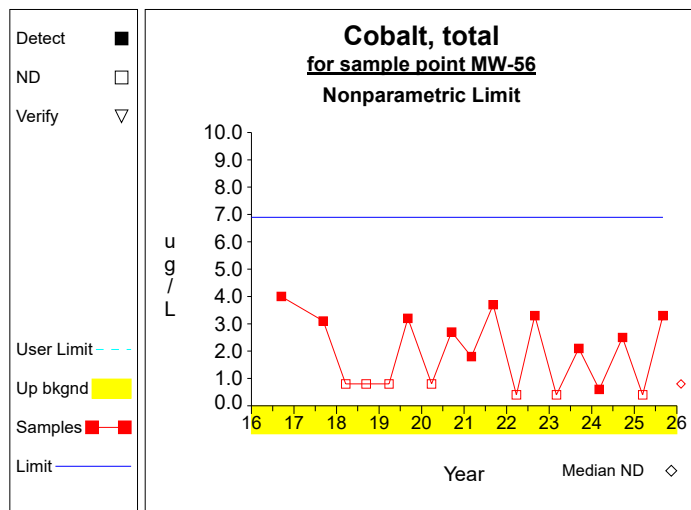


Graph 30

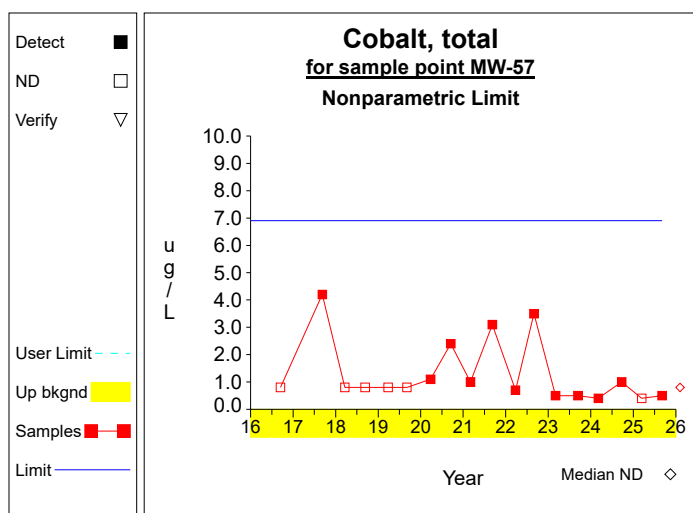
Up vs. Down Prediction Limits



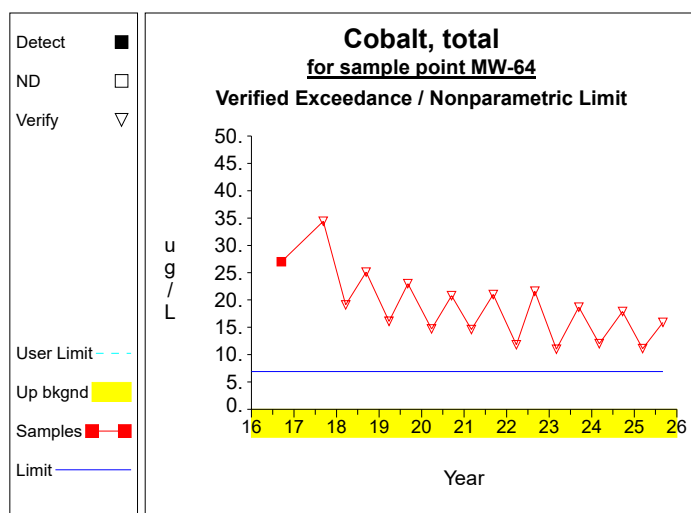
Graph 31



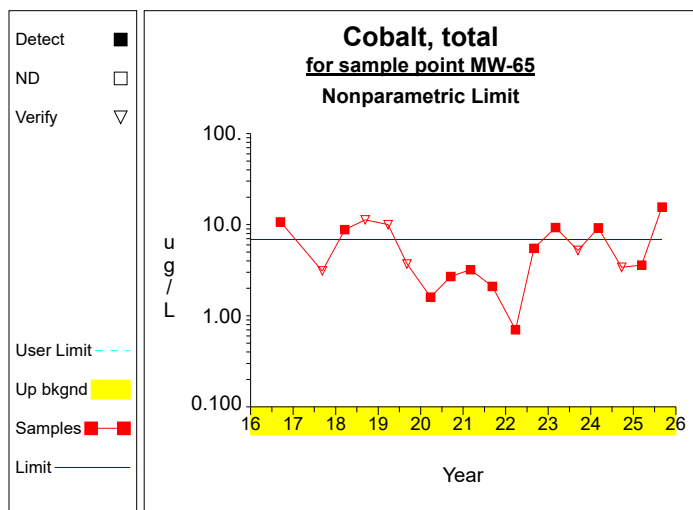
Graph 32



Graph 33

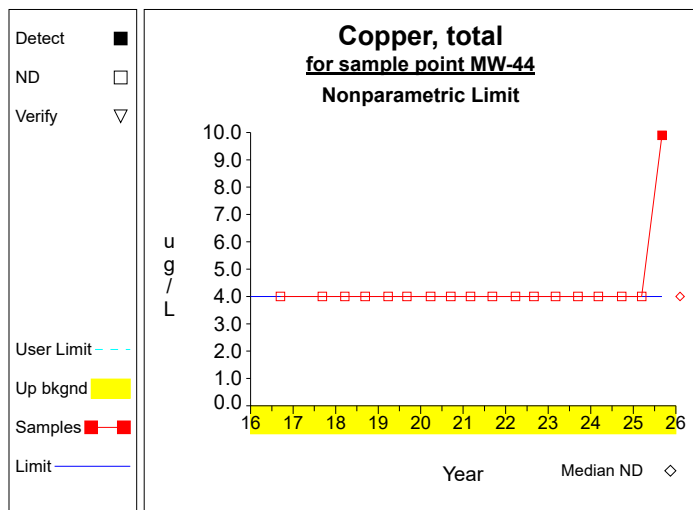


Graph 34

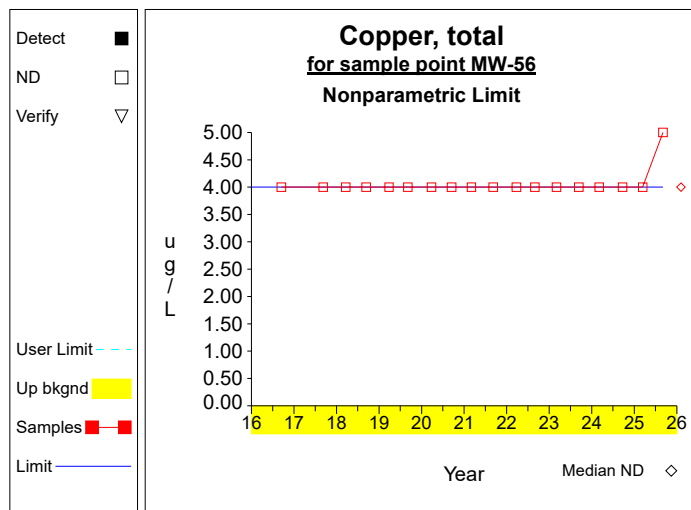


Graph 35

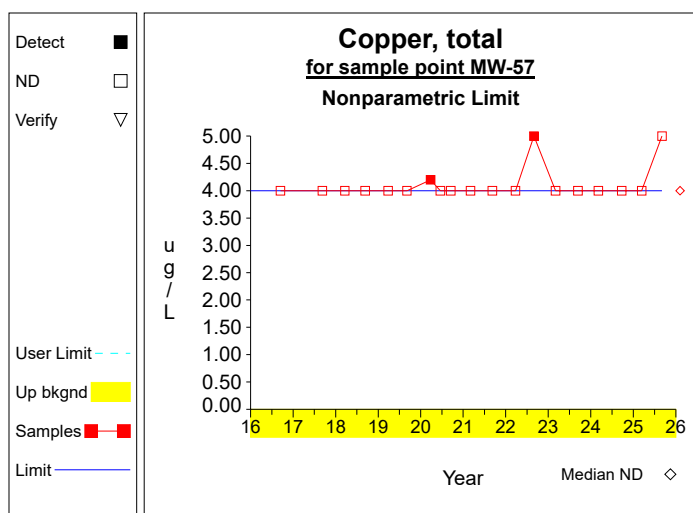
Up vs. Down Prediction Limits



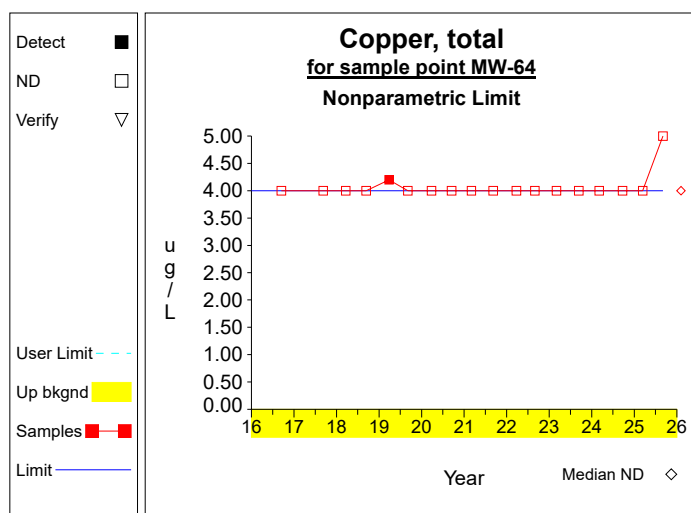
Graph 36



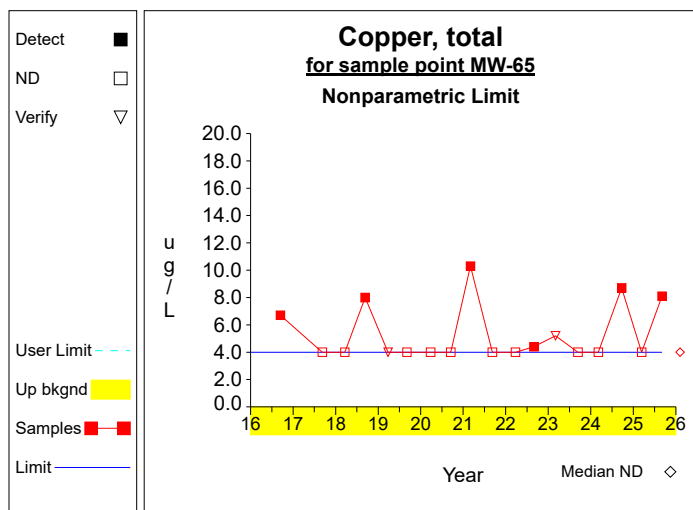
Graph 37



Graph 38

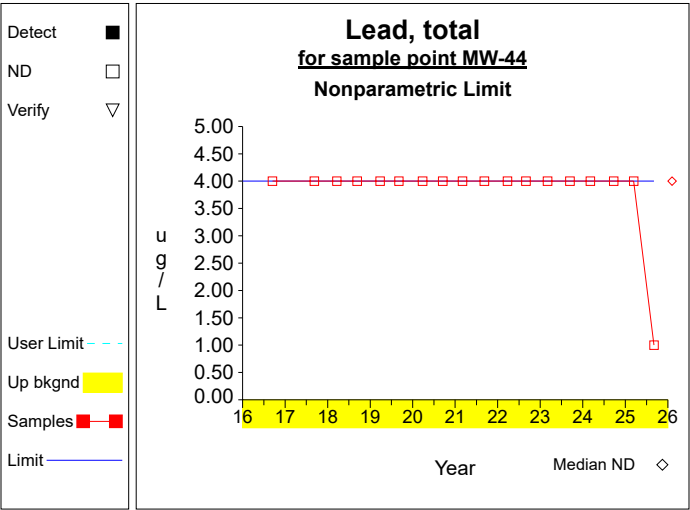


Graph 39

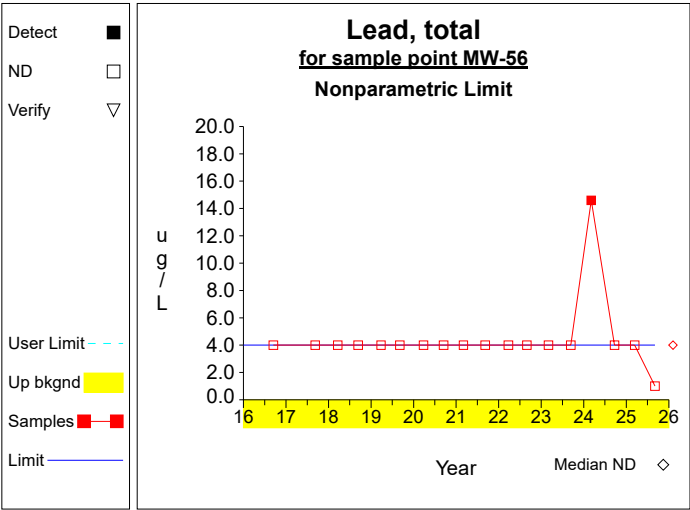


Graph 40

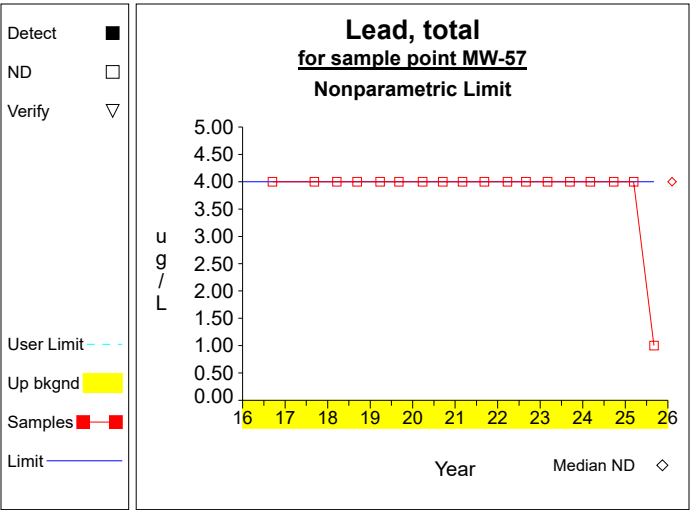
Up vs. Down Prediction Limits



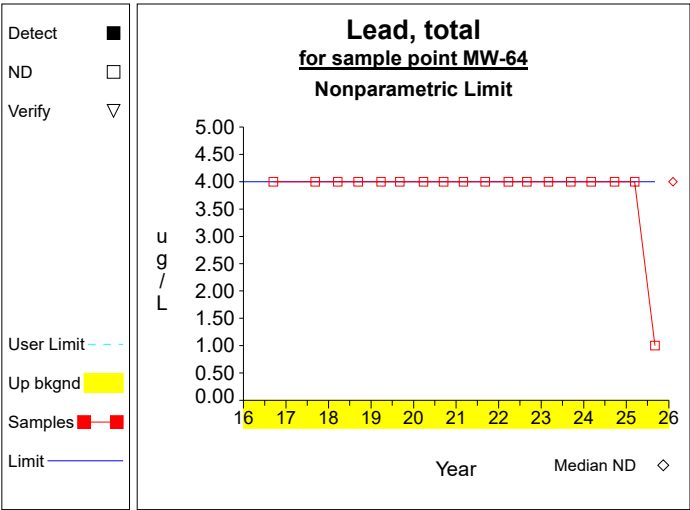
Graph 41



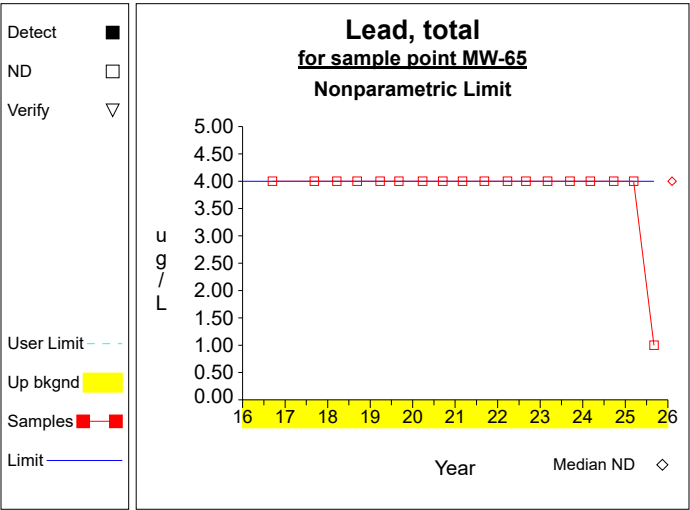
Graph 42



Graph 43

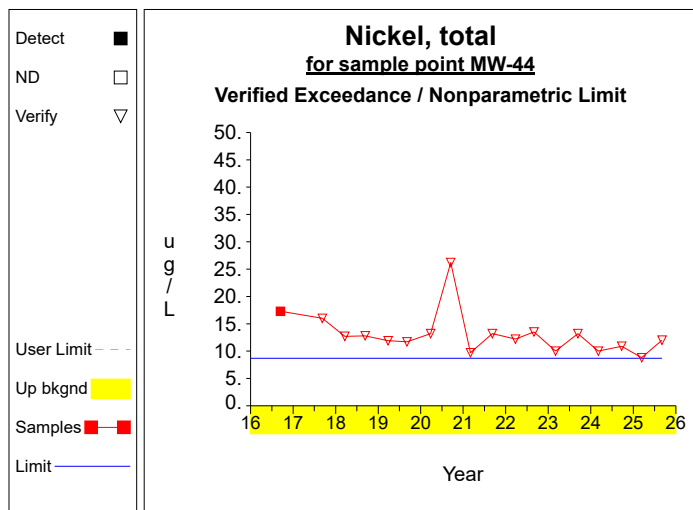


Graph 44

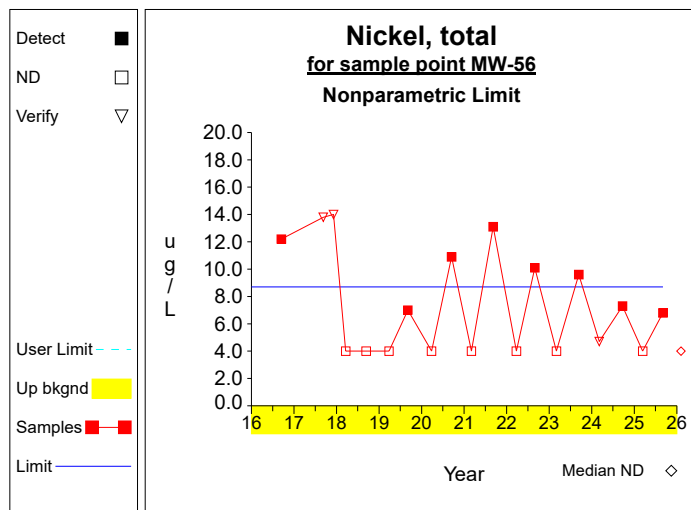


Graph 45

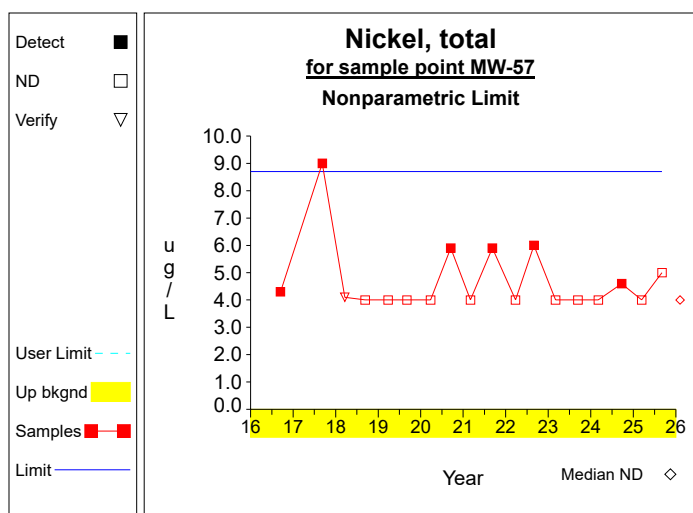
Up vs. Down Prediction Limits



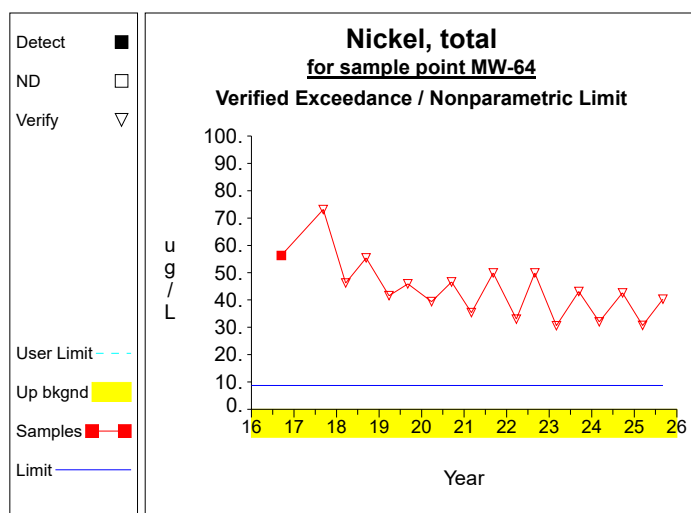
Graph 46



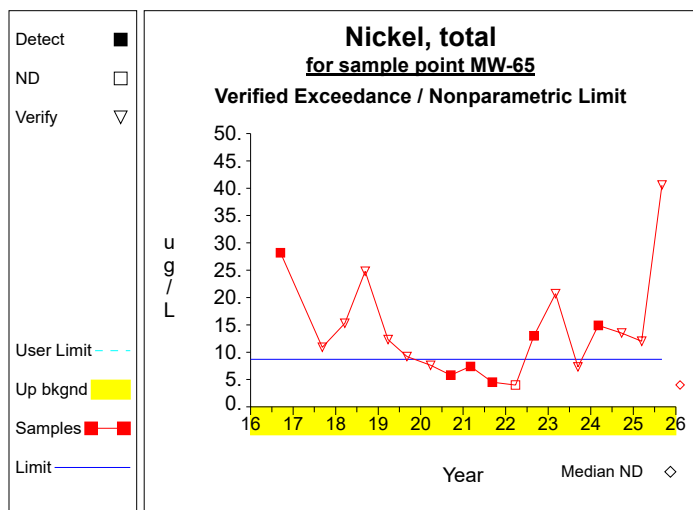
Graph 47



Graph 48

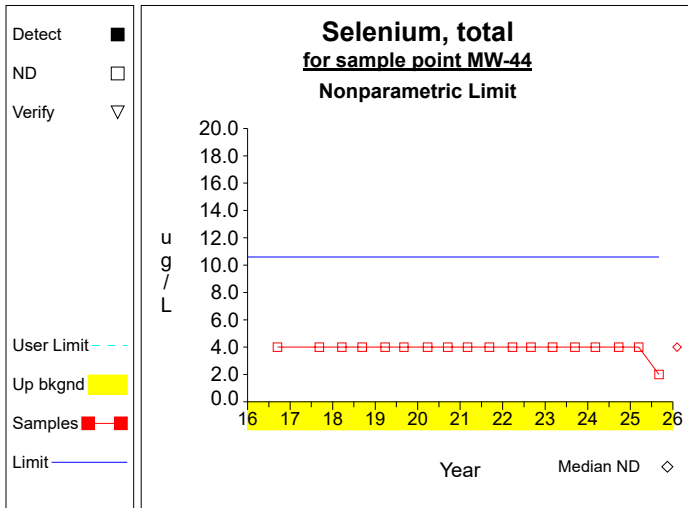


Graph 49

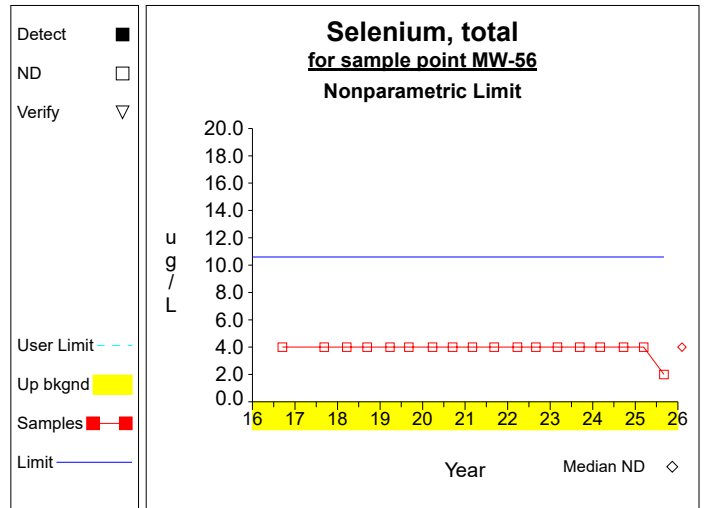


Graph 50

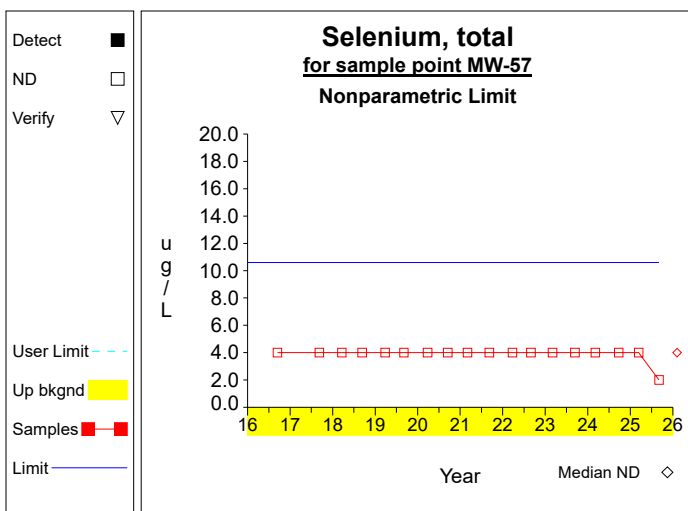
Up vs. Down Prediction Limits



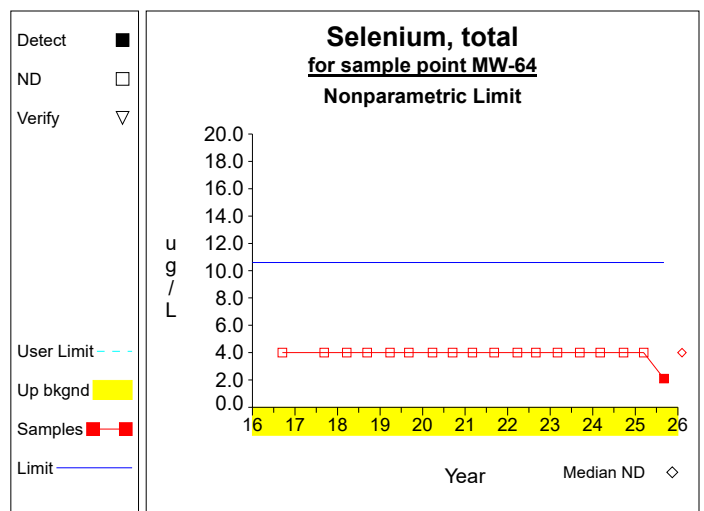
Graph 51



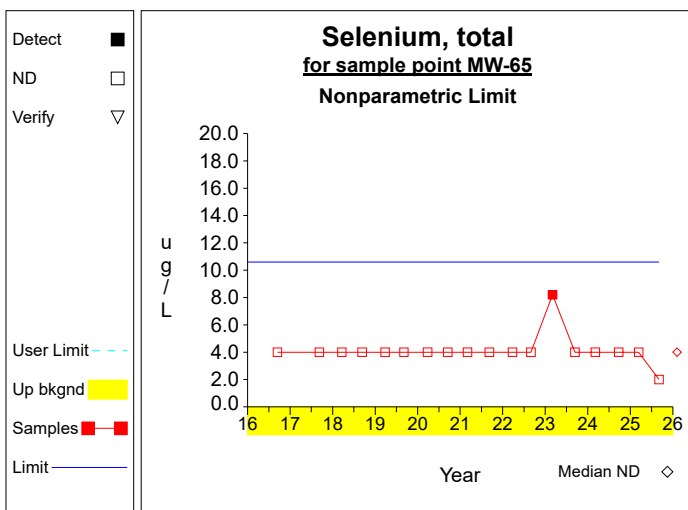
Graph 52



Graph 53

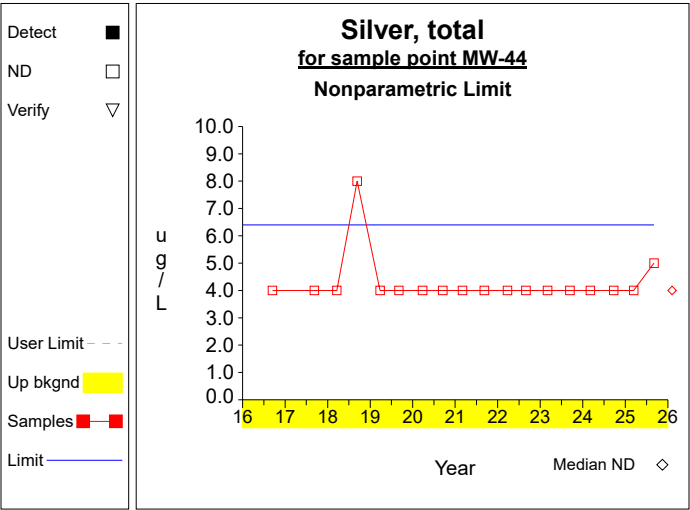


Graph 54

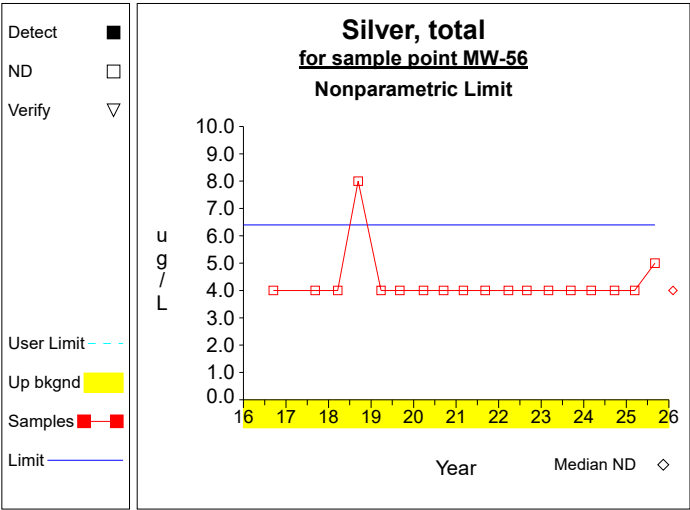


Graph 55

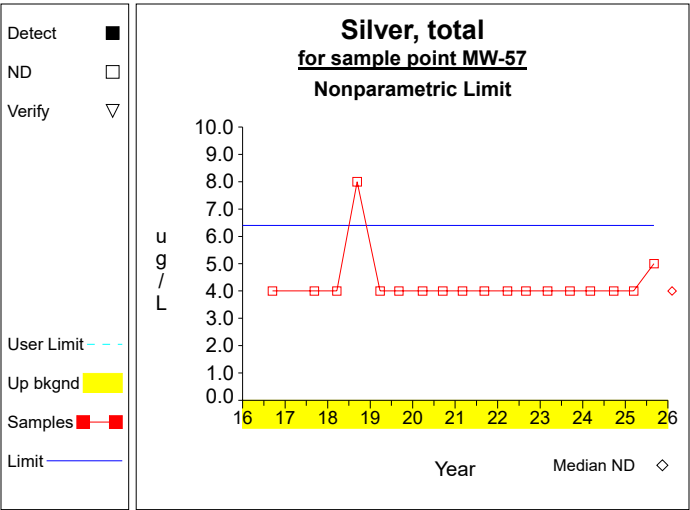
Up vs. Down Prediction Limits



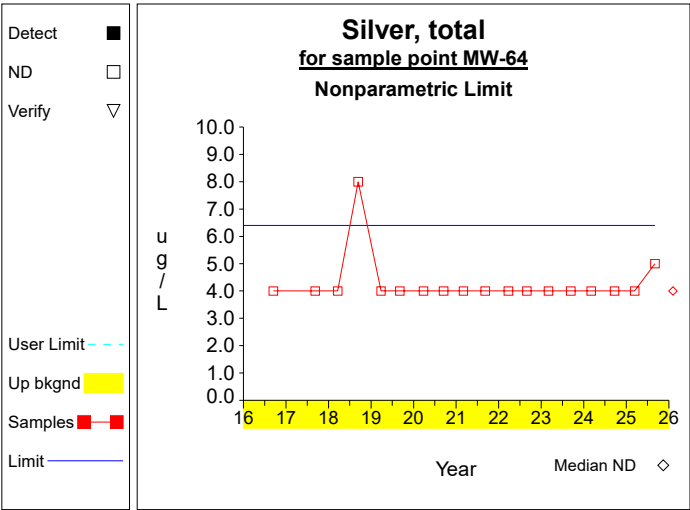
Graph 56



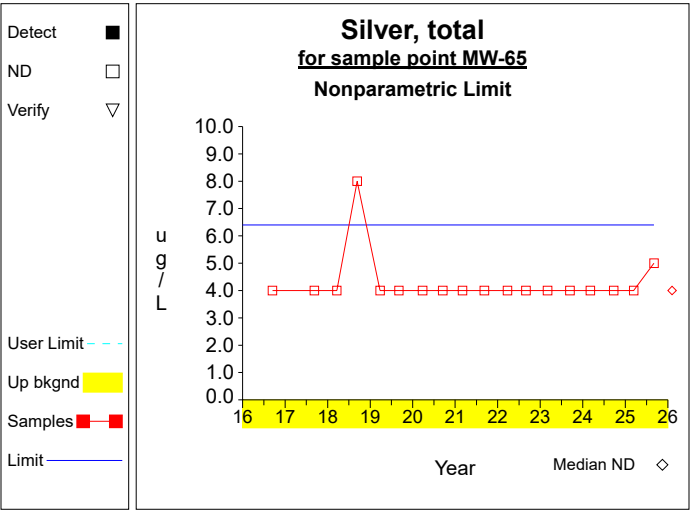
Graph 57



Graph 58

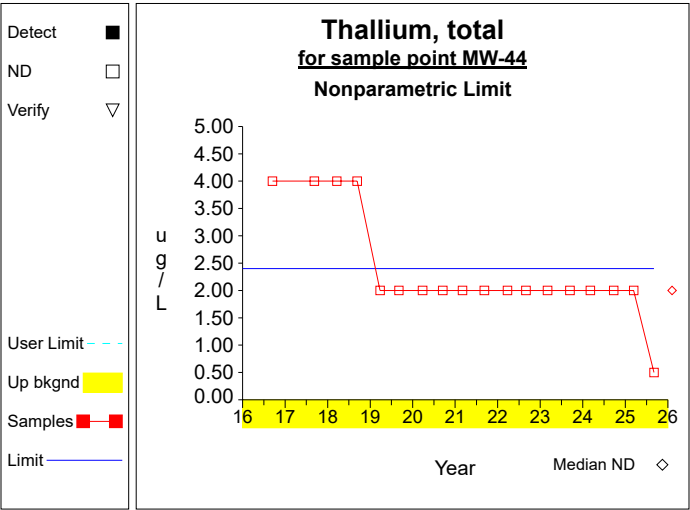


Graph 59

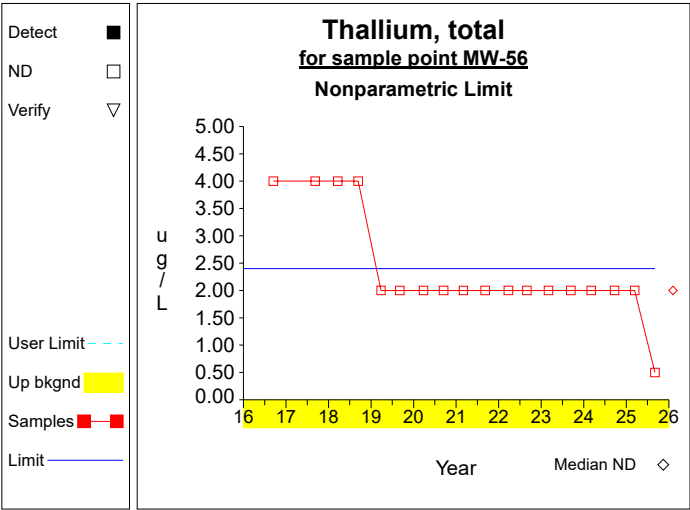


Graph 60

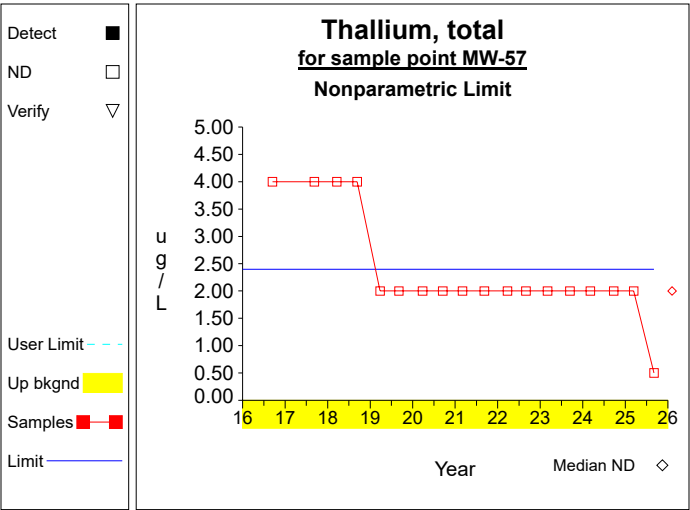
Up vs. Down Prediction Limits



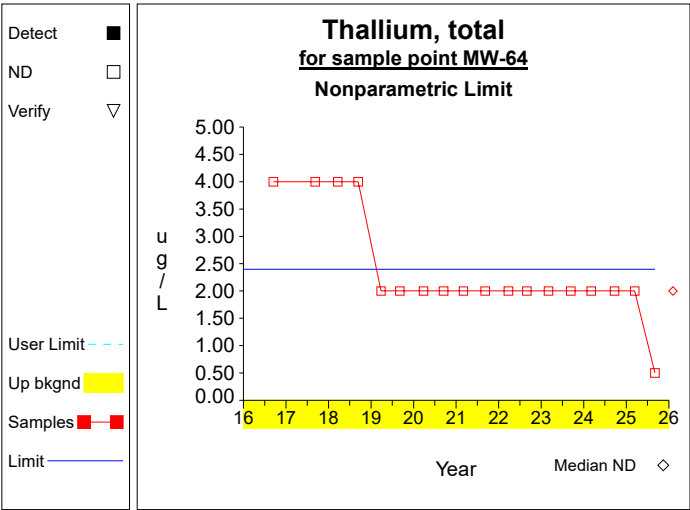
Graph 61



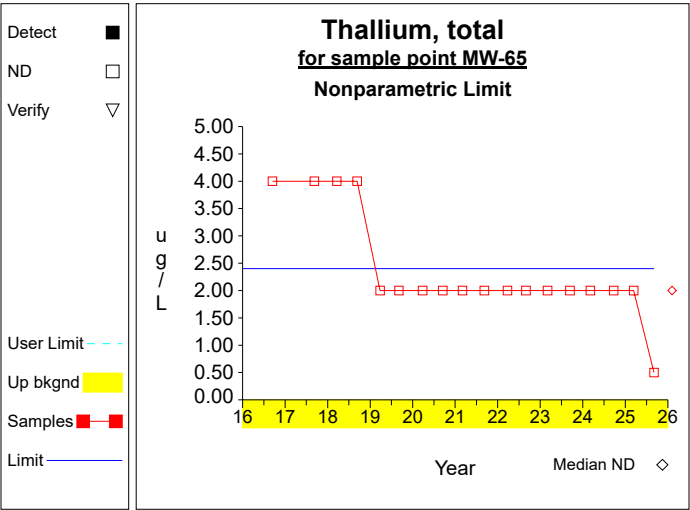
Graph 62



Graph 63

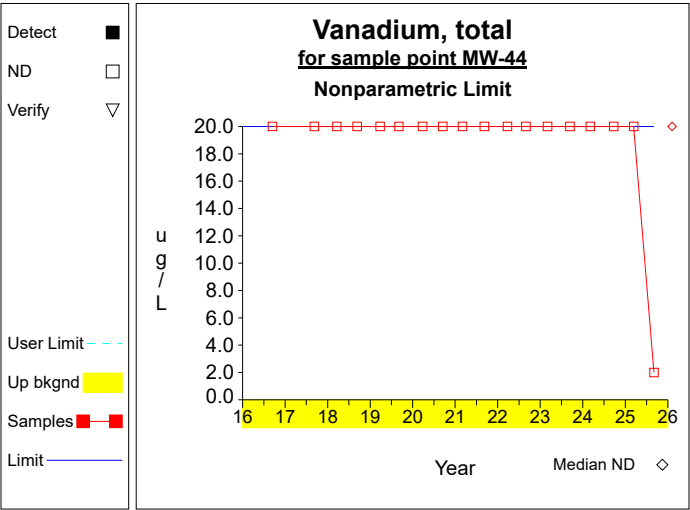


Graph 64

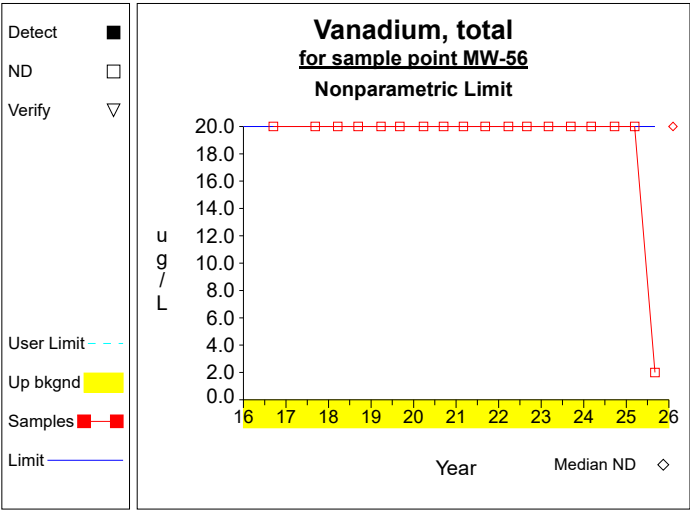


Graph 65

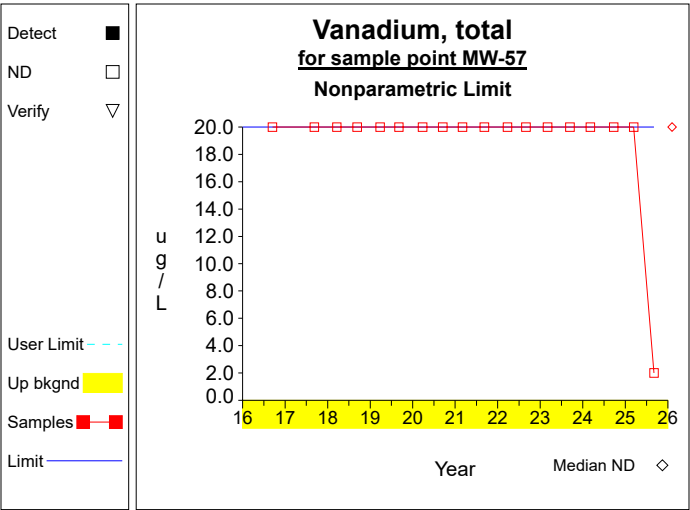
Up vs. Down Prediction Limits



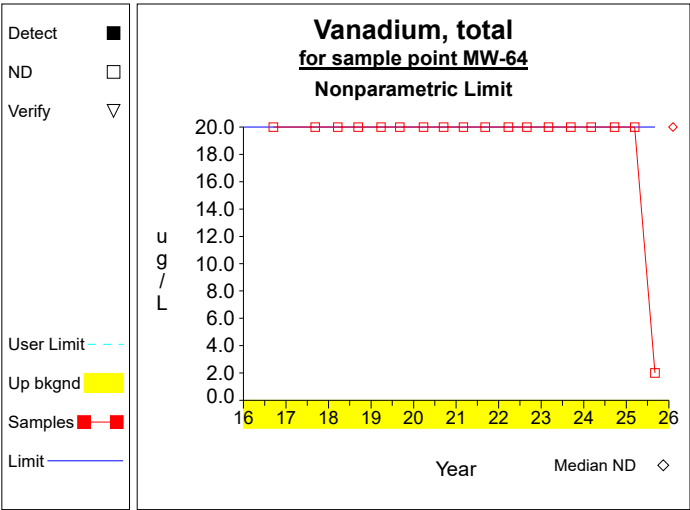
Graph 66



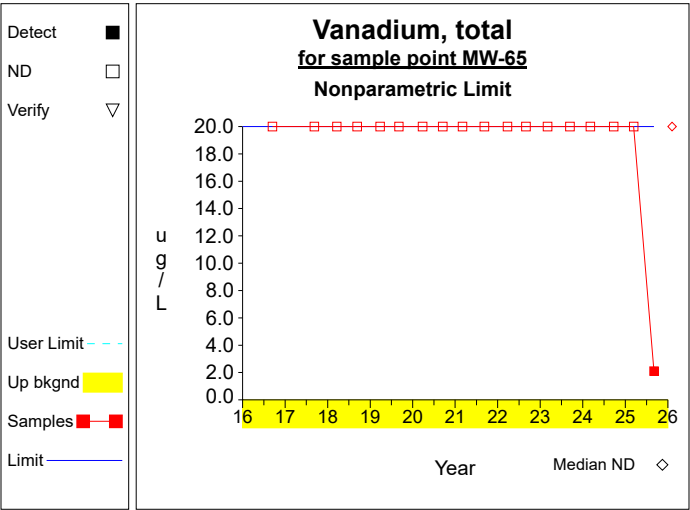
Graph 67



Graph 68

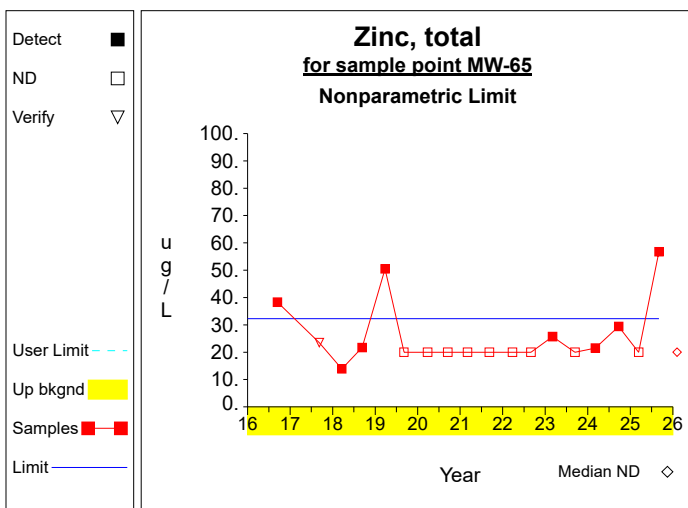
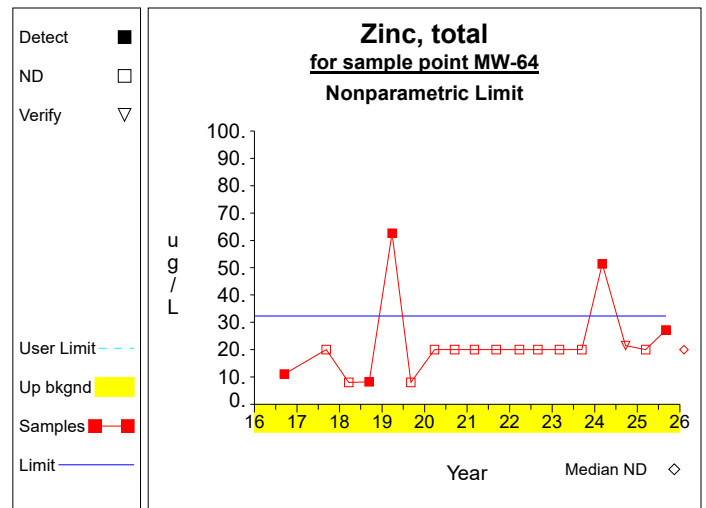
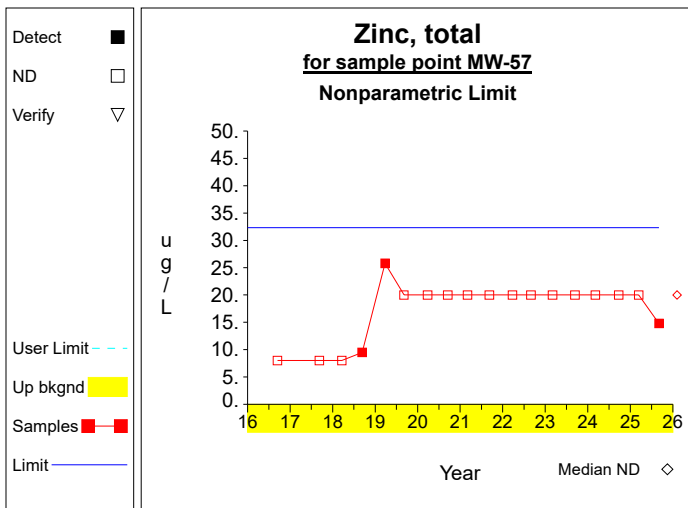
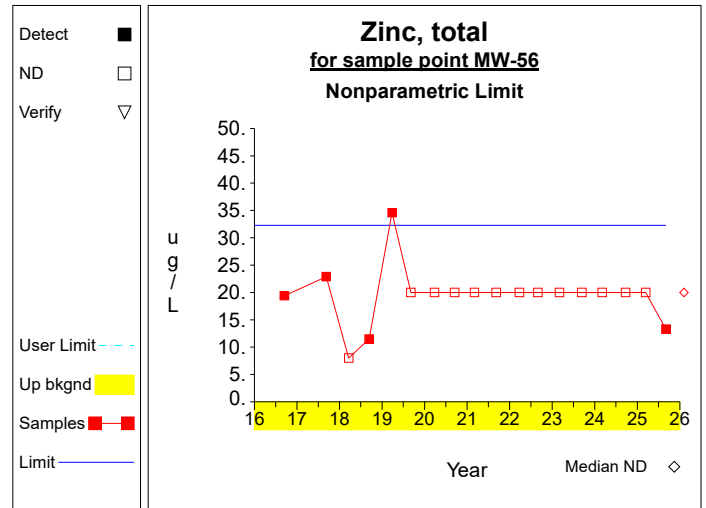
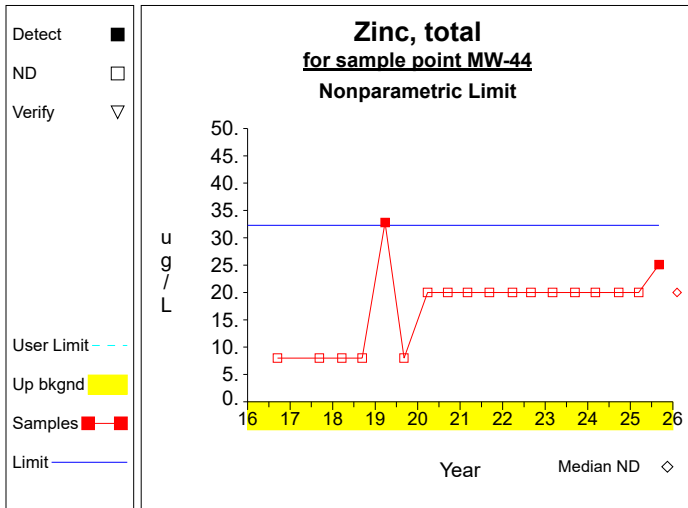


Graph 69



Graph 70

Up vs. Down Prediction Limits



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

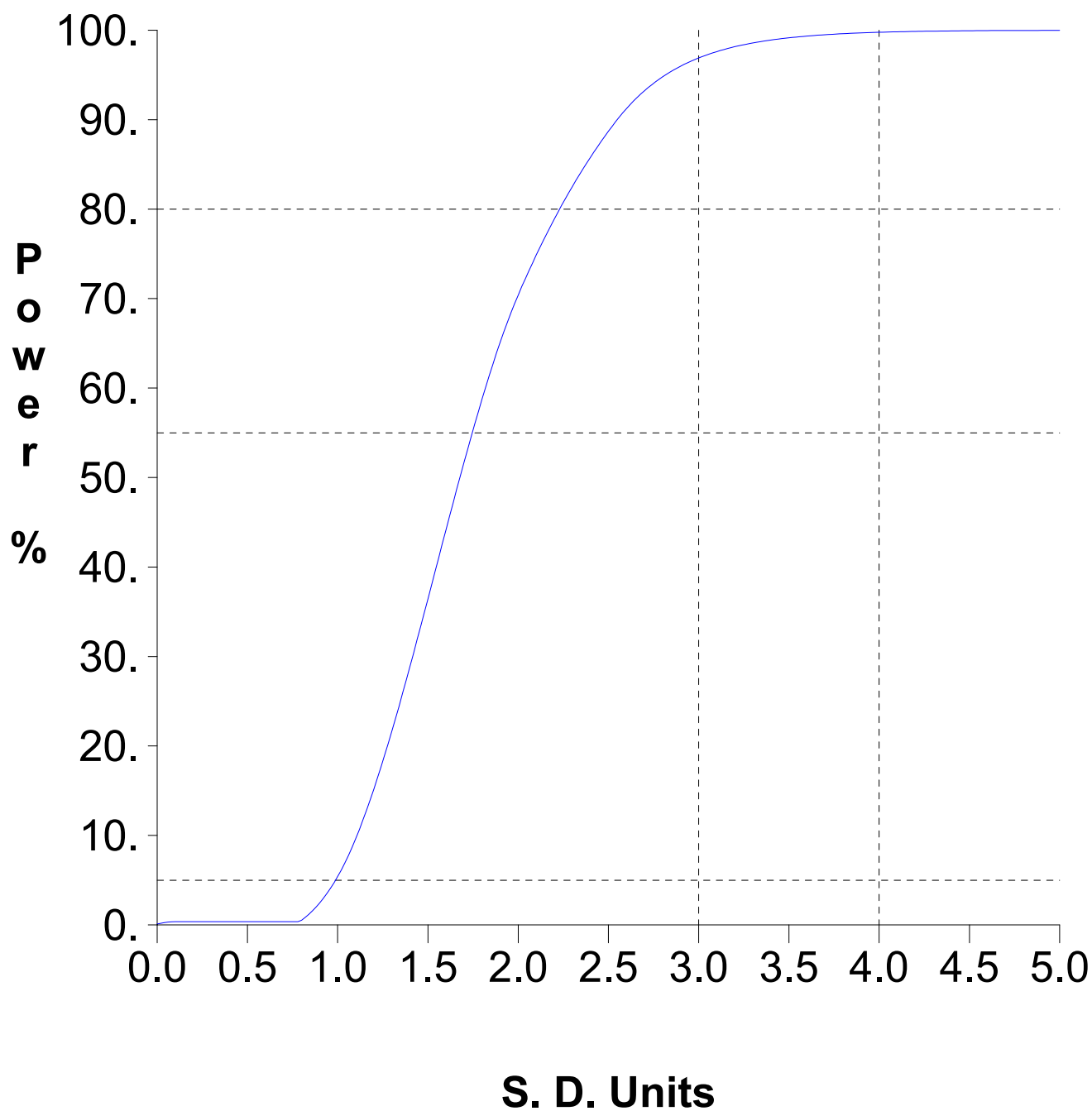


Table 1

**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	
Antimony, total	ug/L	MW-44	4	1.000	0.000	1.176	1.000	1.000	6.000		
Antimony, total	ug/L	MW-56	4	1.300	0.600	1.176	0.594	2.006	6.000		
Antimony, total	ug/L	MW-57	4	1.000	0.000	1.176	1.000	1.000	6.000		
Antimony, total	ug/L	MW-64	4	1.000	0.000	1.176	1.000	1.000	6.000		
Antimony, total	ug/L	MW-65	4	1.000	0.000	1.176	1.000	1.000	6.000		
Arsenic, total	ug/L	MW-44	4	7.600	3.504	1.176	3.478	11.722	10.000		
Arsenic, total	ug/L	MW-56	4	2.000	0.000	1.176	2.000	2.000	10.000		
Arsenic, total	ug/L	MW-57	4	2.000	0.000	1.176	2.000	2.000	10.000		
Arsenic, total	ug/L	MW-64	4	27.350	3.325	1.176	23.439	31.261	10.000		**
Arsenic, total	ug/L	MW-65	4	8.025	3.761	1.176	3.601	12.449	10.000		
Cadmium, total	ug/L	MW-44	4	0.400	0.000	1.176	0.400	0.400	5.000		
Cadmium, total	ug/L	MW-56	4	0.400	0.000	1.176	0.400	0.400	5.000		
Cadmium, total	ug/L	MW-57	4	0.400	0.000	1.176	0.400	0.400	5.000		
Cadmium, total	ug/L	MW-64	4	0.400	0.000	1.176	0.400	0.400	5.000		
Cadmium, total	ug/L	MW-65	4	0.500	0.200	1.176	0.265	0.735	5.000		
Cobalt, total	ug/L	MW-44	4	9.800	0.663	1.176	9.020	10.580	2.100		**
Cobalt, total	ug/L	MW-56	4	1.700	1.426	1.176	0.023	3.377	2.100		
Cobalt, total	ug/L	MW-57	4	0.575	0.287	1.176	0.237	0.913	2.100		
Cobalt, total	ug/L	MW-64	4	14.225	3.216	1.176	10.442	18.008	2.100	dec	**
Cobalt, total	ug/L	MW-65	4	7.950	5.765	1.176	1.169	14.731	2.100		
Copper, total	ug/L	MW-44	4	3.975	3.950	1.176	0.000	8.621	1300.000		
Copper, total	ug/L	MW-56	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Copper, total	ug/L	MW-57	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Copper, total	ug/L	MW-64	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Copper, total	ug/L	MW-65	4	5.200	3.703	1.176	0.844	9.556	1300.000		
Nickel, total	ug/L	MW-44	4	10.425	1.357	1.176	8.828	12.022	100.000		
Nickel, total	ug/L	MW-56	4	5.200	2.412	1.176	2.362	8.038	100.000		
Nickel, total	ug/L	MW-57	4	2.650	1.300	1.176	1.121	4.179	100.000		
Nickel, total	ug/L	MW-64	4	36.400	5.930	1.176	29.424	43.376	100.000	dec	
Nickel, total	ug/L	MW-65	4	20.250	13.618	1.176	4.231	36.269	100.000		
Zinc, total	ug/L	MW-44	4	13.775	7.550	1.176	4.894	22.656	2000.000		
Zinc, total	ug/L	MW-56	4	10.825	1.650	1.176	8.884	12.766	2000.000		
Zinc, total	ug/L	MW-57	4	11.200	2.400	1.176	8.377	14.023	2000.000		
Zinc, total	ug/L	MW-64	4	27.525	17.450	1.176	6.998	48.052	2000.000		
Zinc, total	ug/L	MW-65	4	29.425	19.913	1.176	6.002	52.848	2000.000		

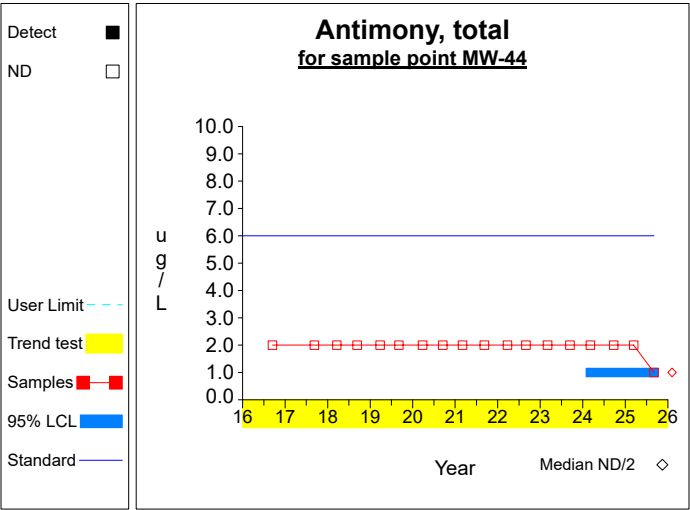
* - Insufficient Data

** - Significant Exceedance

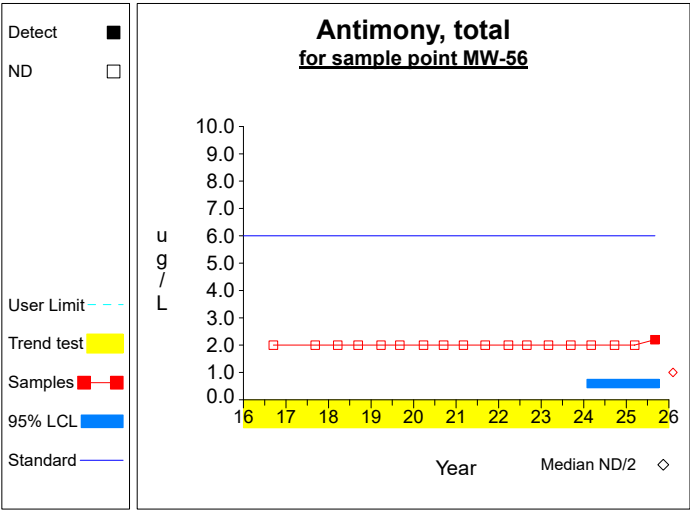
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

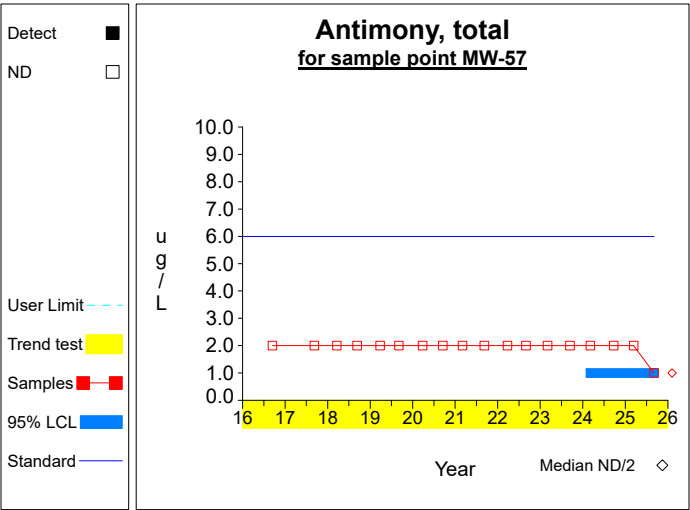
Confidence Limits (Assessment)



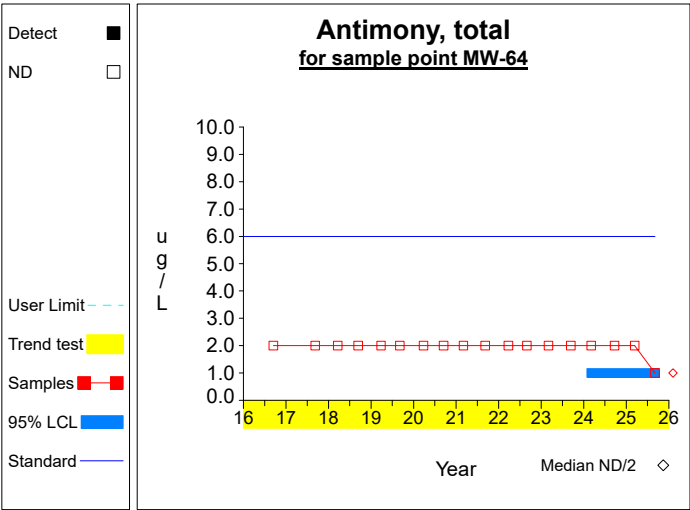
Graph 1



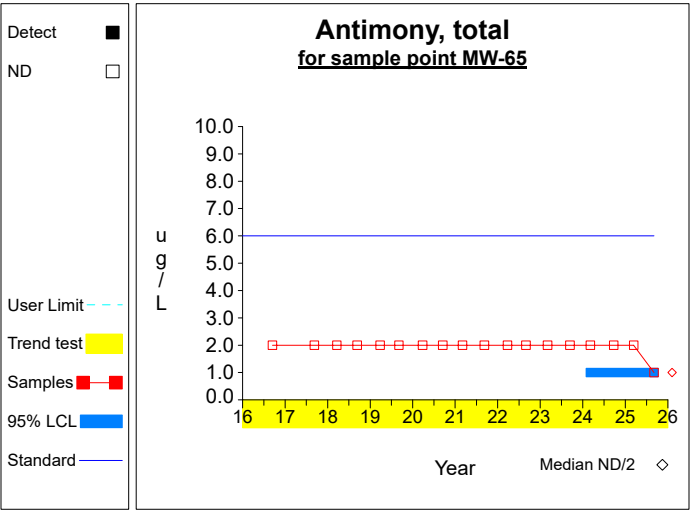
Graph 2



Graph 3

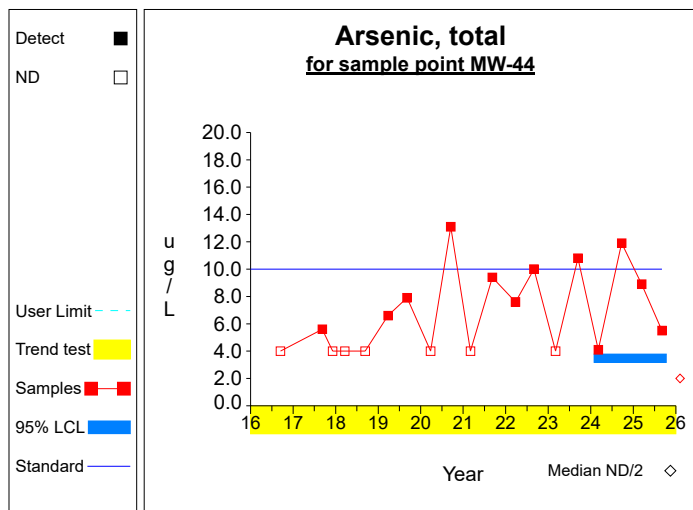


Graph 4

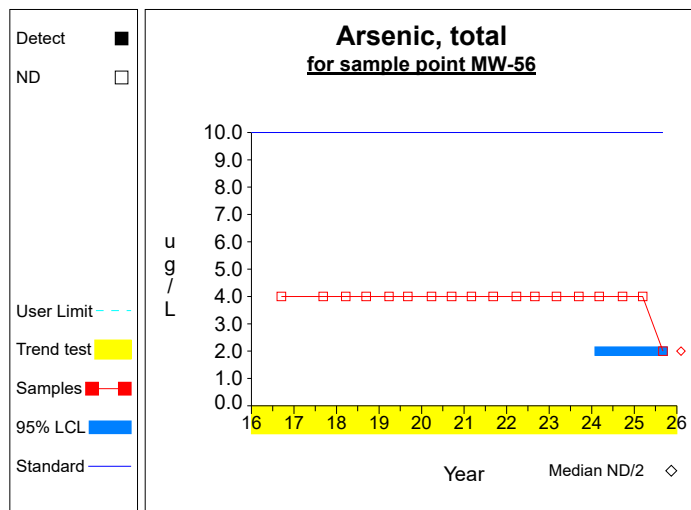


Graph 5

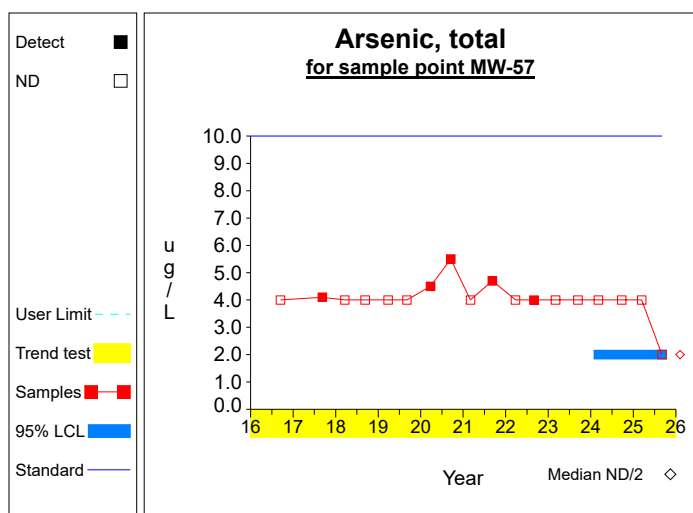
Confidence Limits (Assessment)



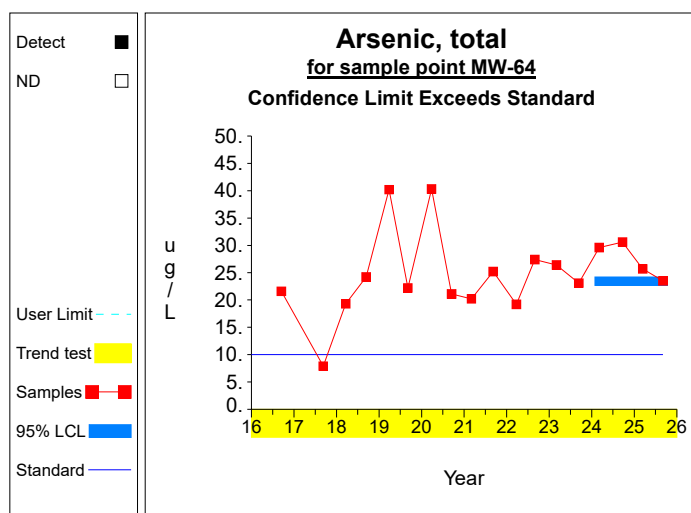
Graph 6



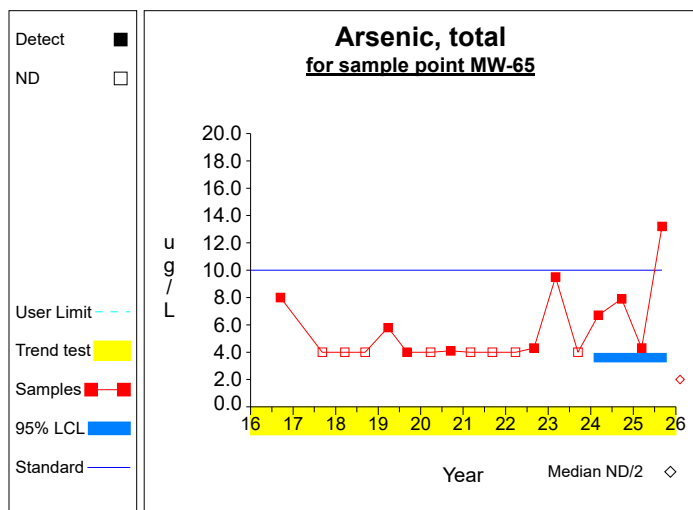
Graph 7



Graph 8

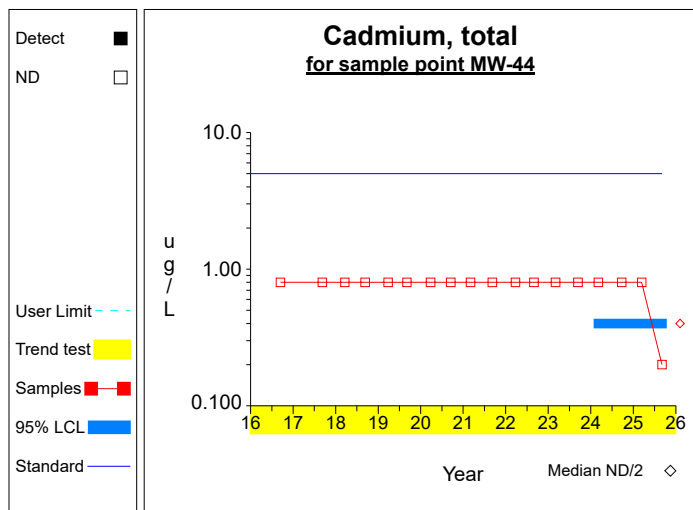


Graph 9

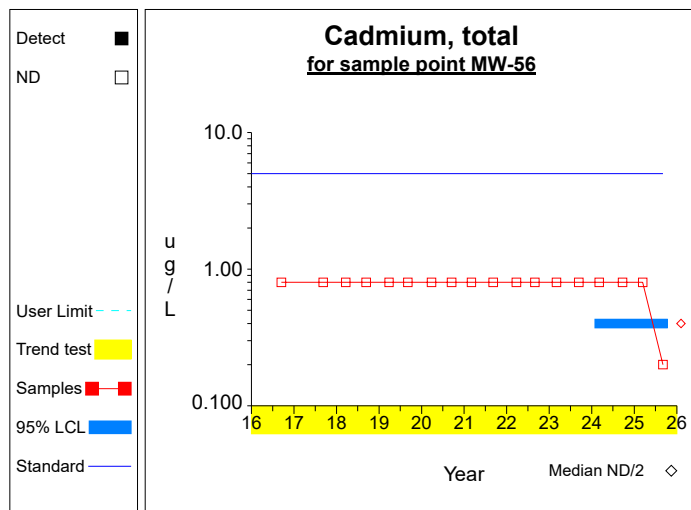


Graph 10

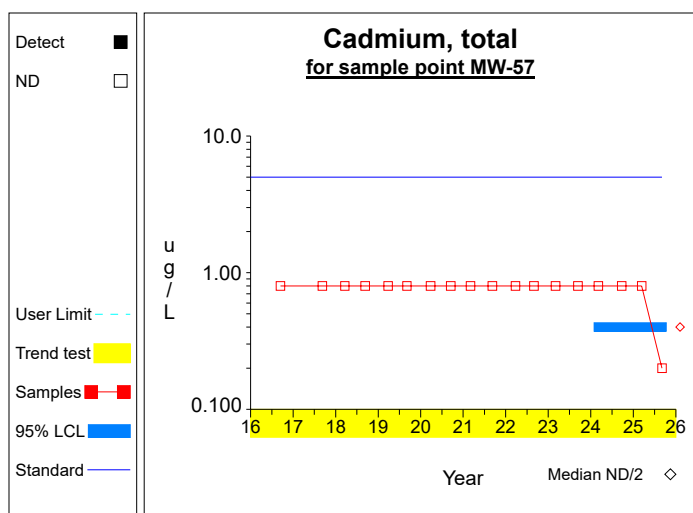
Confidence Limits (Assessment)



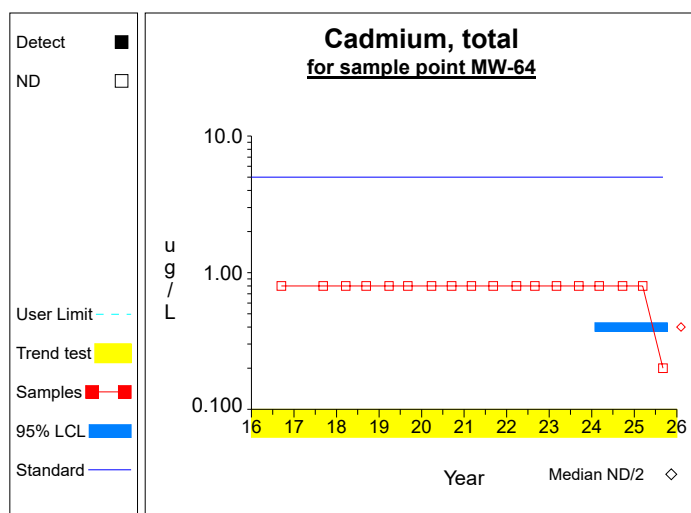
Graph 11



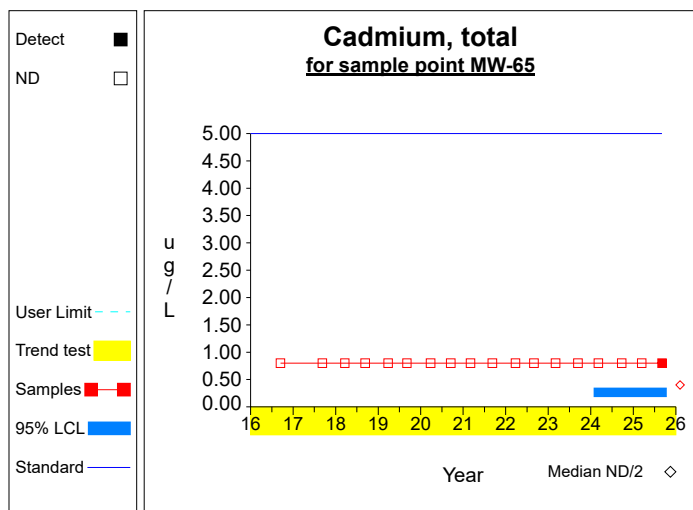
Graph 12



Graph 13

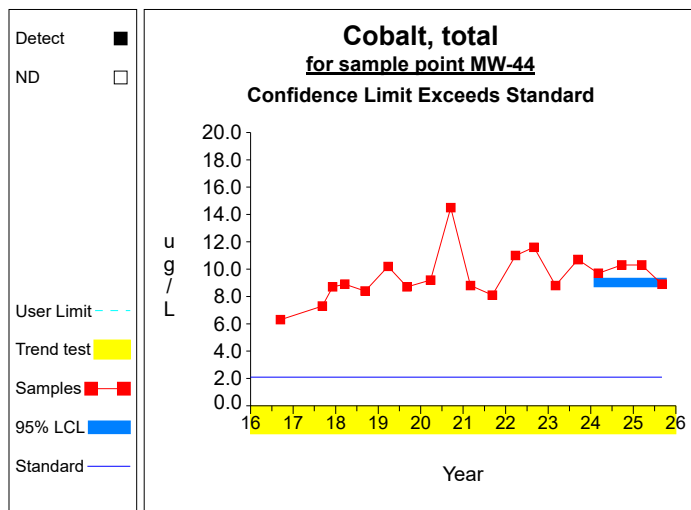


Graph 14

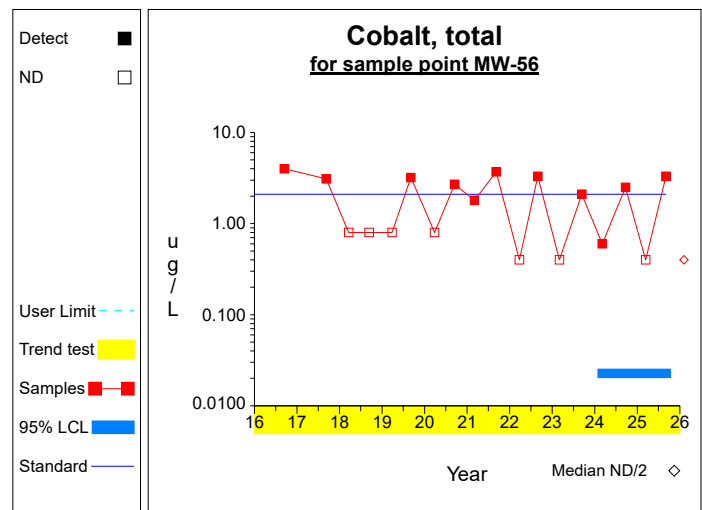


Graph 15

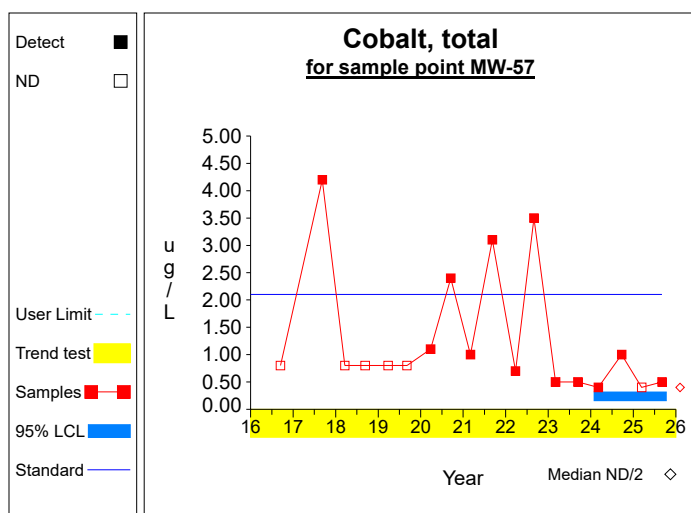
Confidence Limits (Assessment)



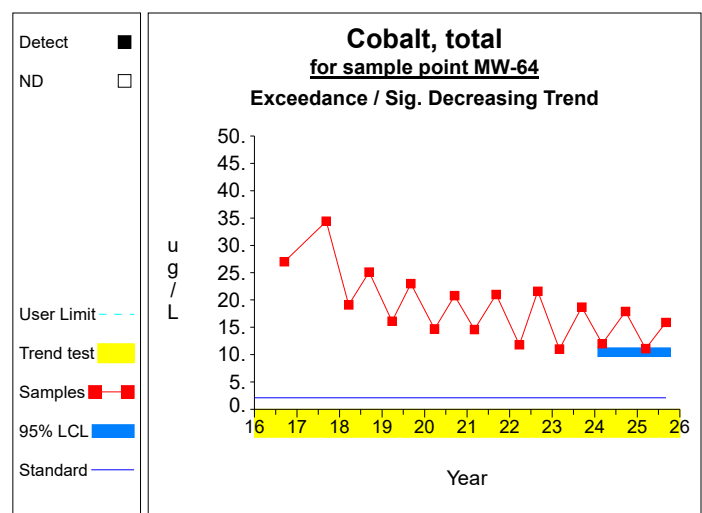
Graph 16



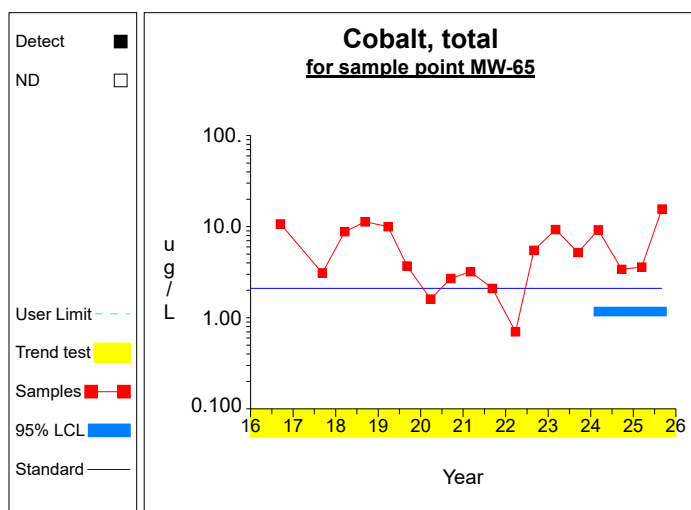
Graph 17



Graph 18

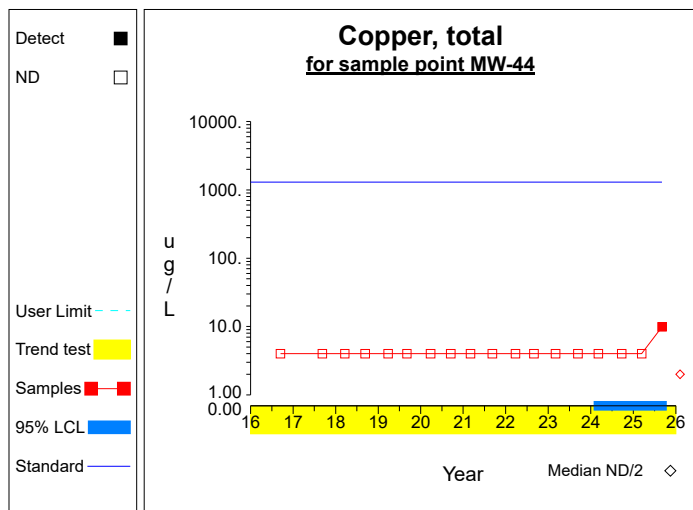


Graph 19

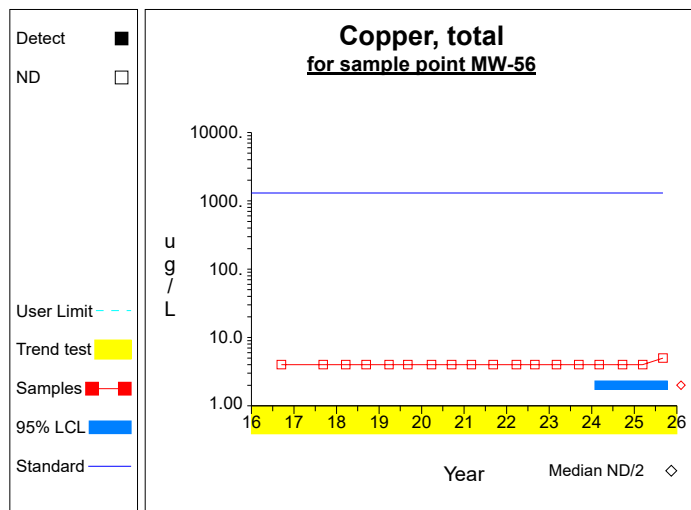


Graph 20

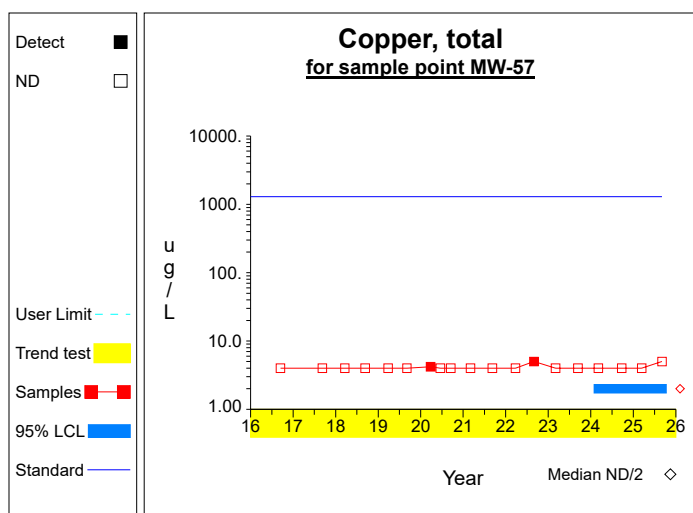
Confidence Limits (Assessment)



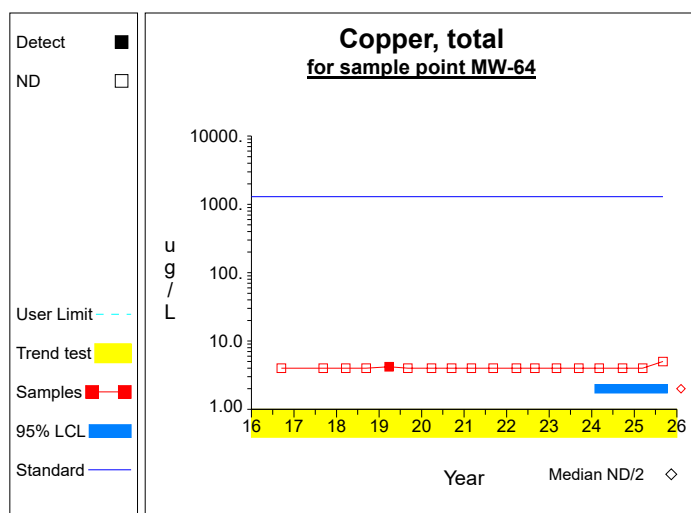
Graph 21



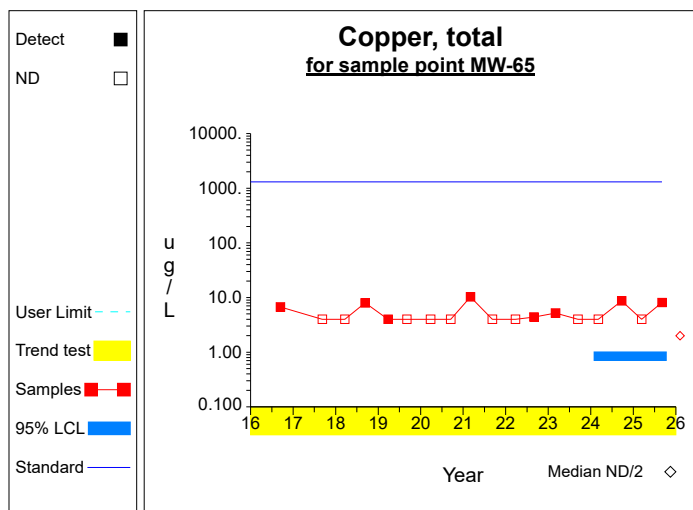
Graph 22



Graph 23

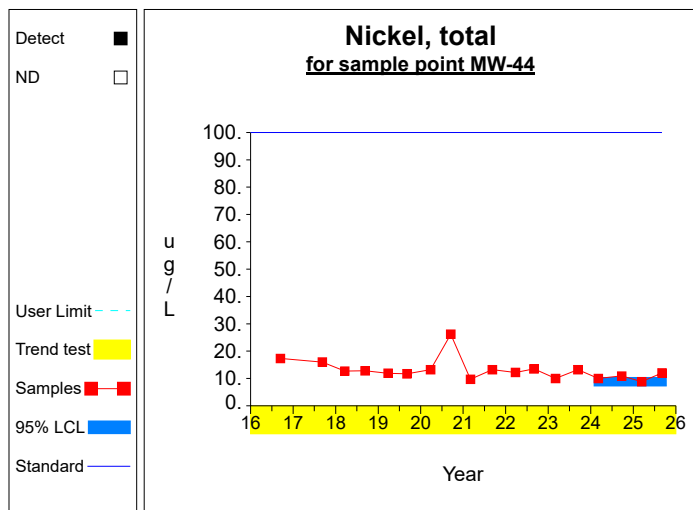


Graph 24

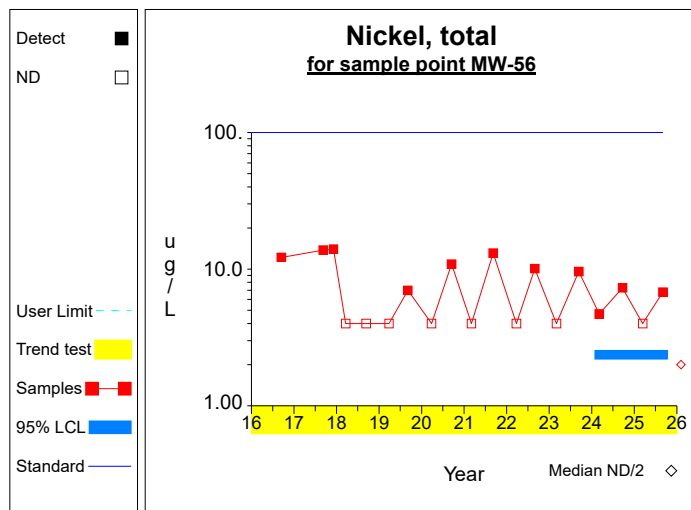


Graph 25

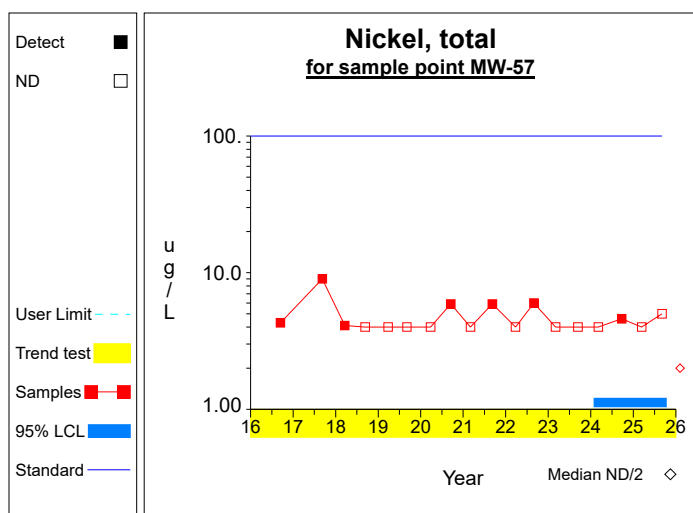
Confidence Limits (Assessment)



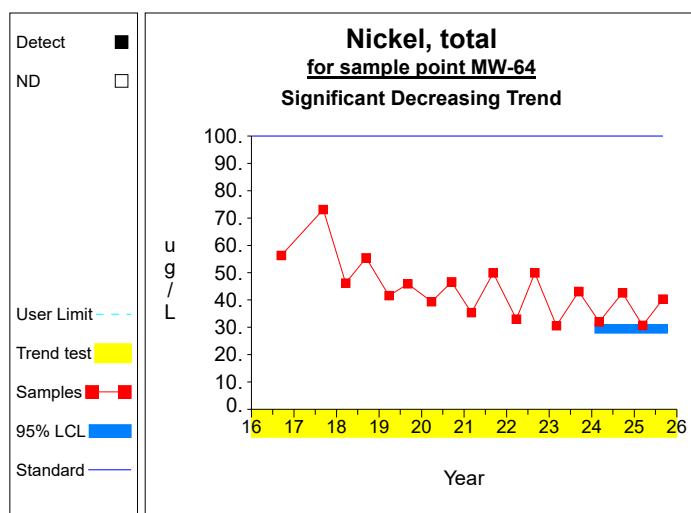
Graph 26



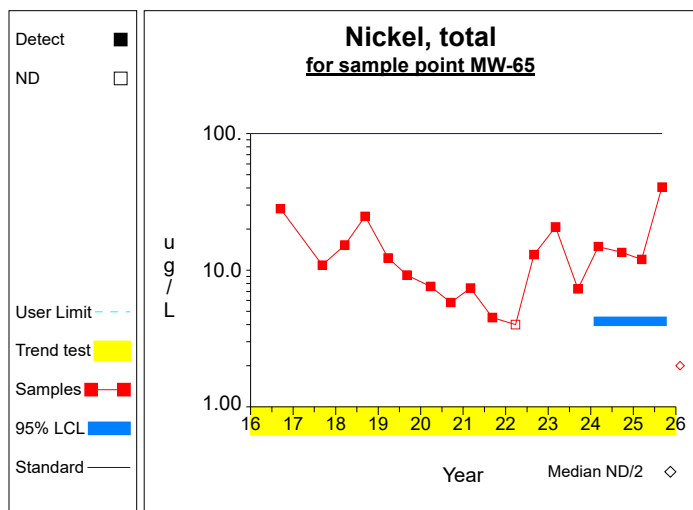
Graph 27



Graph 28

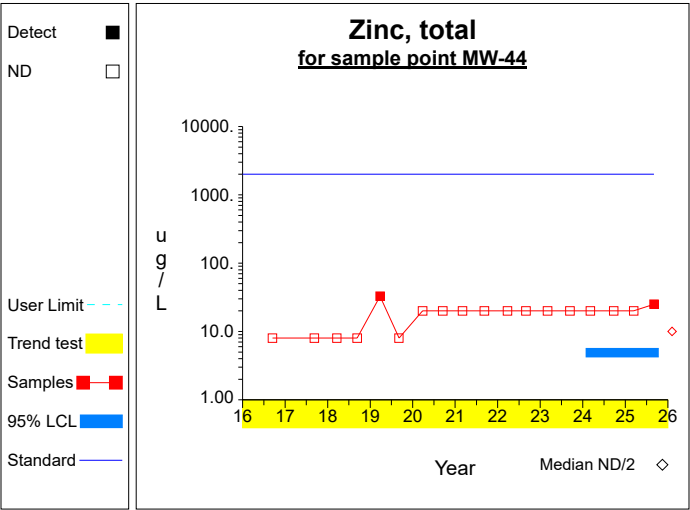


Graph 29

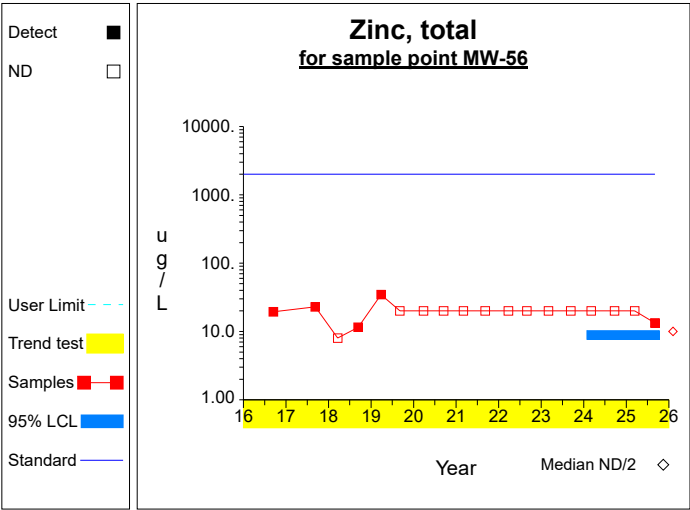


Graph 30

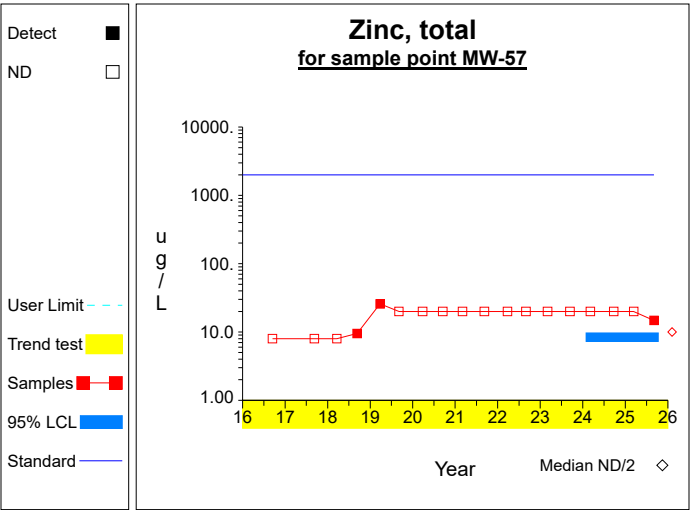
Confidence Limits (Assessment)



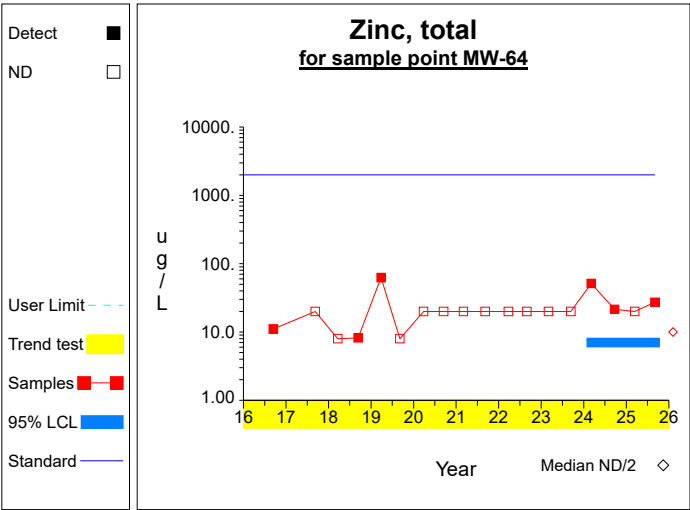
Graph 31



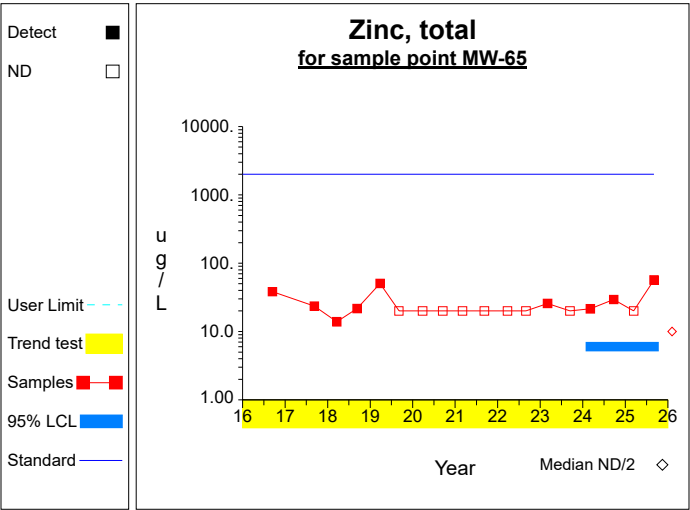
Graph 32



Graph 33



Graph 34



Graph 35

Attachment E

Historical Summary of the VOCs Detected

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	GWD-1	9/08/2011		1	1	ug/L
Acetone	GWD-1	9/16/2008		66.7	20.0	ug/L
Chloroethane	GWD-1	3/06/2009		1.0	1.0	ug/L
Chloroethane	GWD-1	3/29/2010		1.4	1.0	ug/L
Chloroethane	GWD-1	9/08/2011		1.6	1.0	ug/L
Chloroethane	GWD-1	9/25/2012		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	GWD-1	3/29/2010		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	GWD-1	9/28/2010		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	GWD-1	3/22/2011		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	GWD-1	9/08/2011		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	GWD-1	9/25/2012		1.1	1.0	ug/L
Vinyl chloride	GWD-1	3/29/2010		1.4	1.0	ug/L
Vinyl chloride	GWD-1	9/28/2010		1.0	1.0	ug/L
Vinyl chloride	GWD-1	3/22/2011		1.1	1.0	ug/L
Vinyl chloride	GWD-1	9/08/2011		1.2	1.0	ug/L
Trichlorofluoromethane	MW-39	9/25/2013		9	1	ug/L
1,1-dichloroethane	MW-41	9/27/2010		18.6	1.0	ug/L
1,1-dichloroethane	MW-41	3/23/2011		16.0	1.0	ug/L
1,1-dichloroethane	MW-41	9/08/2011		22.5	1.0	ug/L
1,1-dichloroethane	MW-41	3/09/2012		14.7	1.0	ug/L
1,1-dichloroethane	MW-41	9/25/2012		16.4	1.0	ug/L
1,1-dichloroethane	MW-41	3/15/2013		16.0	1.0	ug/L
1,1-dichloroethane	MW-41	9/25/2013		16.8	1.0	ug/L
1,1-dichloroethane	MW-41	3/25/2014		16.0	1.0	ug/L
1,1-dichloroethane	MW-41	9/24/2014		19.3	1.0	ug/L
1,1-dichloroethane	MW-41	3/11/2015		23.1	1.0	ug/L
1,1-dichloroethane	MW-41	9/16/2015		24.9	1.0	ug/L
1,1-dichloroethane	MW-41	3/22/2016		24.1	1.0	ug/L
1,1-dichloroethane	MW-41	9/15/2016		26.2	1.0	ug/L
1,1-dichloroethane	MW-41	3/23/2017		24.4	1.0	ug/L
1,1-dichloroethane	MW-41	9/08/2017		23.4	1.0	ug/L
1,1-dichloroethane	MW-41	3/19/2018		26.7	1.0	ug/L
1,1-dichloroethane	MW-41	9/11/2018		24.6	1.0	ug/L
1,1-dichloroethane	MW-41	3/26/2019		24.6	1.0	ug/L
1,1-dichloroethane	MW-41	9/04/2019		26.3	1.0	ug/L
1,1-dichloroethane	MW-41	3/26/2020		30.8	1.0	ug/L
1,1-dichloroethane	MW-41	9/15/2020		25.8	1.0	ug/L
1,1-dichloroethane	MW-41	3/02/2021		24.5	1.0	ug/L
1,1-dichloroethane	MW-41	9/07/2021		24.4	1.0	ug/L
1,1-dichloroethane	MW-41	3/24/2022		25.1	1.0	ug/L
1,1-dichloroethane	MW-41	8/31/2022		22.0	1.0	ug/L
1,1-dichloroethane	MW-41	3/02/2023		23.9	1.0	ug/L
1,1-dichloroethane	MW-41	9/12/2023		23.0	1.0	ug/L
1,1-dichloroethane	MW-41	3/04/2024		19.0	1.0	ug/L
1,1-dichloroethane	MW-41	9/23/2024		22.0	1.0	ug/L
1,1-dichloroethane	MW-41	3/12/2025		19.5	1.0	ug/L
1,1-dichloroethane	MW-41	9/03/2025		21.0	1.0	ug/L
1,2-dichloropropane	MW-41	3/26/2020		1.2	1.0	ug/L
1,2-dichloropropane	MW-41	3/02/2023		1.0	1.0	ug/L
1,2-dichloropropane	MW-41	9/23/2024		1.0	1.0	ug/L
1,2-dichloropropane	MW-41	9/03/2025		1.2	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-41	3/09/2012		22	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-41	3/25/2014		83	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-41	9/16/2015		10	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-41	3/26/2020		8	6	ug/L
Chloroethane	MW-41	3/26/2019		1.1	1.0	ug/L
Chloroethane	MW-41	3/26/2020		1.0	1.0	ug/L
Chloroethane	MW-41	9/07/2021		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/08/2011		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/24/2014		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/11/2015		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/16/2015		2.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/22/2016		2.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/15/2016		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/23/2017		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/08/2017		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/19/2018		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/11/2018		2.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/26/2019		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/04/2019		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/26/2020		5.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/15/2020		5.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/02/2021		4.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/07/2021		4.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/24/2022		4.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	8/31/2022		4.0	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	MW-41	3/02/2023		4.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/12/2023		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/04/2024		2.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/23/2024		3.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	3/12/2025		3.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-41	9/03/2025		4.4	1.0	ug/L
Tetrachloroethylene	MW-41	9/11/2018		1	1	ug/L
Trichloroethylene	MW-41	9/11/2018		1.1	1.0	ug/L
2,4,5-t	MW-42	3/19/2018		5.0	.5	ug/L
Bis(2-ethylhexyl) phthalate	MW-42	3/02/2023		6	6	ug/L
Acetone	MW-44	9/08/2017		20	10	ug/L
Carbon disulfide	MW-44	9/03/2025		1.6	1.0	ug/L
Acetone	MW-45	3/02/2021		21.1	10.0	ug/L
Carbon disulfide	MW-48	9/03/2025		1.6	1.0	ug/L
Tetrachloroethylene	MW-48	3/04/2024		2.3	1.0	ug/L
1,1-dichloroethane	MW-56	9/14/2016		5.0	1.0	ug/L
1,1-dichloroethane	MW-56	9/08/2017		10.4	1.0	ug/L
1,1-dichloroethane	MW-56	9/04/2019		4.7	1.0	ug/L
1,1-dichloroethane	MW-56	9/15/2020		6.9	1.0	ug/L
1,1-dichloroethane	MW-56	9/07/2021		8.4	1.0	ug/L
1,1-dichloroethane	MW-56	8/31/2022		7.4	1.0	ug/L
1,1-dichloroethane	MW-56	9/12/2023		4.0	1.0	ug/L
1,1-dichloroethane	MW-56	3/04/2024		1.7	1.0	ug/L
1,1-dichloroethane	MW-56	9/23/2024		2.6	1.0	ug/L
Benzene	MW-56	3/11/1992		7.8	5.0	ug/L
Benzene	MW-56	6/30/1992		1.4	1.0	ug/L
Benzene	MW-56	9/24/1992		9.7	5.0	ug/L
Benzene	MW-56	12/29/1992		8.3	5.0	ug/L
Benzene	MW-56	9/26/1995		10.0	5.0	ug/L
Benzene	MW-56	12/13/1995		11.3	5.0	ug/L
Benzene	MW-56	3/20/1996		11.1	5.0	ug/L
Benzene	MW-56	6/19/1996		11.7	5.0	ug/L
Benzene	MW-56	9/06/1996		9.6	5.0	ug/L
Benzene	MW-56	3/27/1997		10.4	5.0	ug/L
Benzene	MW-56	9/10/1997		11.3	5.0	ug/L
Benzene	MW-56	1/20/1998		9.6	5.0	ug/L
Benzene	MW-56	3/23/1998		5.9	5.0	ug/L
Benzene	MW-56	9/08/1998		9.1	5.0	ug/L
Benzene	MW-56	3/19/1999		7.4	5.0	ug/L
Benzene	MW-56	9/03/1999		7.6	5.0	ug/L
Benzene	MW-56	3/24/2000		9.5	5.0	ug/L
Benzene	MW-56	9/15/2000		7.1	5.0	ug/L
Benzene	MW-56	9/04/2001		6.4	5.0	ug/L
Benzene	MW-56	9/12/2002		7.1	5.0	ug/L
Benzene	MW-56	3/21/2003		5.8	5.0	ug/L
Benzene	MW-56	9/20/2003		5.9	5.0	ug/L
Benzene	MW-56	3/24/2004		.4	.3	ug/L
Benzene	MW-56	9/13/2005		5.8	5.0	ug/L
Benzene	MW-56	9/01/2006		5.3	5.0	ug/L
Benzene	MW-56	9/25/2007		2.3	1.0	ug/L
Benzene	MW-56	9/08/2017		1.4	1.0	ug/L
Benzene	MW-56	9/07/2021		1.0	1.0	ug/L
Chlorobenzene	MW-56	12/13/1995		5.6	5.0	ug/L
Chlorobenzene	MW-56	3/20/1996		4.7	1.0	ug/L
Chlorobenzene	MW-56	6/19/1996		4.7	1.0	ug/L
Chlorobenzene	MW-56	9/06/1996		4.4	1.0	ug/L
Chlorobenzene	MW-56	3/27/1997		5.0	1.0	ug/L
Chlorobenzene	MW-56	1/20/1998		4.8	1.0	ug/L
Chlorobenzene	MW-56	9/08/1998		5.1	5.0	ug/L
Chlorobenzene	MW-56	3/19/1999		4.6	1.0	ug/L
Chlorobenzene	MW-56	9/03/1999		5.1	5.0	ug/L
Chlorobenzene	MW-56	3/24/2000		7.0	5.0	ug/L
Chlorobenzene	MW-56	9/15/2000		5.2	5.0	ug/L
Chlorobenzene	MW-56	9/04/2001		5.4	5.0	ug/L
Chlorobenzene	MW-56	9/12/2002		4.8	1.0	ug/L
Chlorobenzene	MW-56	3/21/2003		5.3	5.0	ug/L
Chlorobenzene	MW-56	9/20/2003		4.5	1.0	ug/L
Chlorobenzene	MW-56	3/24/2004		.5	.3	ug/L
Chlorobenzene	MW-56	9/11/2004		4.1	1.0	ug/L
Chlorobenzene	MW-56	9/13/2005		4.3	1.0	ug/L
Chlorobenzene	MW-56	9/01/2006		3.7	1.0	ug/L
Chlorobenzene	MW-56	9/25/2007		1.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-56	12/13/1995		113.0	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	3/20/1996		118.0	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	6/19/1996		101.0	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	9/06/1996		86.5	5.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	MW-56	3/27/1997		71.4	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	9/10/1997		61.3	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	1/20/1998		42.7	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	3/23/1998		27.0	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	9/08/1998		26.6	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	3/19/1999		18.6	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	9/03/1999		13.1	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	3/24/2000		8.6	5.0	ug/L
Cis-1,2-dichloroethylene	MW-56	9/15/2000		6.2	5.0	ug/L
Trans-1,2-dichloroethylene	MW-56	12/13/1995		3.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	3/20/1996		4.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	9/06/1996		3.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	3/27/1997		3.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	9/10/1997		3.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	1/20/1998		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	9/08/1998		2.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	3/19/1999		1.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	9/03/1999		1.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	3/24/2000		1.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	9/15/2000		1.3	1.0	ug/L
Trans-1,2-dichloroethylene	MW-56	9/12/2002		1.1	1.0	ug/L
Vinyl chloride	MW-56	12/13/1995		299.0	2.0	ug/L
Vinyl chloride	MW-56	3/20/1996		286.0	2.0	ug/L
Vinyl chloride	MW-56	6/19/1996		287.0	2.0	ug/L
Vinyl chloride	MW-56	9/06/1996		255.0	2.0	ug/L
Vinyl chloride	MW-56	3/27/1997		200.4	2.0	ug/L
Vinyl chloride	MW-56	9/10/1997		195.0	2.0	ug/L
Vinyl chloride	MW-56	1/20/1998		174.0	2.0	ug/L
Vinyl chloride	MW-56	3/23/1998		99.8	2.0	ug/L
Vinyl chloride	MW-56	9/08/1998		126.0	2.0	ug/L
Vinyl chloride	MW-56	3/19/1999		63.8	2.0	ug/L
Vinyl chloride	MW-56	9/03/1999		43.0	2.0	ug/L
Vinyl chloride	MW-56	3/24/2000		47.9	2.0	ug/L
Vinyl chloride	MW-56	9/15/2000		25.8	2.0	ug/L
Vinyl chloride	MW-56	9/04/2001		9.4	2.0	ug/L
Vinyl chloride	MW-56	9/12/2002		4.5	2.0	ug/L
Vinyl chloride	MW-56	9/20/2003		4.5	2.0	ug/L
Vinyl chloride	MW-56	3/24/2004		.4	.2	ug/L
Vinyl chloride	MW-56	9/11/2004		3.2	2.0	ug/L
Vinyl chloride	MW-56	9/13/2005		2.7	2.0	ug/L
Vinyl chloride	MW-56	9/01/2006		10.2	2.0	ug/L
Vinyl chloride	MW-56	9/25/2007		2.1	2.0	ug/L
Vinyl chloride	MW-56	9/24/2013		3.3	1.0	ug/L
Vinyl chloride	MW-56	9/14/2016		2.8	1.0	ug/L
Vinyl chloride	MW-56	9/08/2017		4.2	1.0	ug/L
Vinyl chloride	MW-56	9/15/2020		1.9	1.0	ug/L
Vinyl chloride	MW-56	9/07/2021		2.2	1.0	ug/L
Acetone	MW-57	9/08/2017		18.2	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-57	3/02/2023		7	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-58	3/26/2020		6	6	ug/L
Cis-1,2-dichloroethylene	MW-58	9/27/2010		14.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/23/2011		16.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/08/2011		16.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/09/2012		12.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/25/2012		14.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/15/2013		10.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/25/2013		7.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/25/2014		8.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/24/2014		3.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/11/2015		5.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/17/2015		5.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/22/2016		4.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/15/2016		5.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/23/2017		4.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/08/2017		5.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/19/2018		4.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/11/2018		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/26/2019		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/04/2019		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/26/2020		2.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/15/2020		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/02/2021		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	9/07/2021		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/24/2022		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	8/31/2022		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/02/2023		1.8	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	MW-58	9/12/2023		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-58	3/04/2024		1.0	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-59	3/26/2019		15	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-59	12/04/2019		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-62R	9/25/2012		18	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-62R	9/24/2013		19	10	ug/L
Trichlorofluoromethane	MW-62R	9/28/2010		5.3	1.0	ug/L
Trichlorofluoromethane	MW-62R	12/22/2010		3.1	1.0	ug/L
Trichlorofluoromethane	MW-62R	5/17/2011		3.2	1.0	ug/L
Trichlorofluoromethane	MW-62R	7/14/2011		2.1	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/08/2011		6.1	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/09/2012		4.2	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/25/2012		4.7	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/15/2013		5.1	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/25/2014		7.1	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/24/2014		8.6	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/11/2015		8.8	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/16/2015		6.3	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/22/2016		5.5	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/15/2016		6.5	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/23/2017		6.0	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/08/2017		5.1	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/19/2018		4.8	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/11/2018		5.1	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/26/2019		3.4	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/04/2019		3.4	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/26/2020		2.2	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/15/2020		1.7	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/02/2021		2.0	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/07/2021		1.3	1.0	ug/L
Trichlorofluoromethane	MW-62R	8/31/2022		1.6	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/02/2023		1.9	1.0	ug/L
Trichlorofluoromethane	MW-62R	9/12/2023		1.4	1.0	ug/L
Trichlorofluoromethane	MW-62R	3/04/2024		1.0	1.0	ug/L
1,1-dichloroethane	MW-64	9/14/2016		1.9	1.0	ug/L
1,1-dichloroethane	MW-64	9/08/2017		2.0	1.0	ug/L
1,1-dichloroethane	MW-64	3/19/2018		2.6	1.0	ug/L
1,1-dichloroethane	MW-64	9/11/2018		1.2	1.0	ug/L
1,1-dichloroethane	MW-64	3/26/2019		2.4	1.0	ug/L
1,1-dichloroethane	MW-64	9/04/2019		2.3	1.0	ug/L
1,1-dichloroethane	MW-64	3/26/2020		2.4	1.0	ug/L
1,1-dichloroethane	MW-64	9/15/2020		1.8	1.0	ug/L
1,1-dichloroethane	MW-64	3/02/2021		2.7	1.0	ug/L
1,1-dichloroethane	MW-64	9/07/2021		1.6	1.0	ug/L
1,1-dichloroethane	MW-64	3/24/2022		2.1	1.0	ug/L
1,1-dichloroethane	MW-64	8/31/2022		1.6	1.0	ug/L
1,1-dichloroethane	MW-64	3/02/2023		2.3	1.0	ug/L
1,1-dichloroethane	MW-64	9/12/2023		1.8	1.0	ug/L
1,1-dichloroethane	MW-64	3/04/2024		1.5	1.0	ug/L
1,1-dichloroethane	MW-64	9/23/2024		1.7	1.0	ug/L
1,1-dichloroethane	MW-64	3/12/2025		1.6	1.0	ug/L
1,1-dichloroethane	MW-64	9/03/2025		1.8	1.0	ug/L
Benzene	MW-64	9/03/1999		1.4	1.0	ug/L
Benzene	MW-64	3/24/2000		2.1	1.0	ug/L
Benzene	MW-64	9/15/2000		1.1	1.0	ug/L
Benzene	MW-64	3/20/2001		1.4	1.0	ug/L
Benzene	MW-64	3/20/2002		1.8	1.0	ug/L
Benzene	MW-64	9/12/2002		2.1	1.0	ug/L
Benzene	MW-64	3/21/2003		1.9	1.0	ug/L
Benzene	MW-64	9/20/2003		1.8	1.0	ug/L
Benzene	MW-64	3/24/2004		1.8	1.0	ug/L
Benzene	MW-64	3/03/2005		1.6	1.0	ug/L
Benzene	MW-64	9/13/2005		1.5	1.0	ug/L
Benzene	MW-64	3/16/2006		1.4	1.0	ug/L
Benzene	MW-64	9/01/2006		1.5	1.0	ug/L
Benzene	MW-64	3/27/2007		1.1	1.0	ug/L
Benzene	MW-64	9/25/2007		1.0	.3	ug/L
Benzene	MW-64	3/20/2008		1.0	.3	ug/L
Benzene	MW-64	3/20/2008		1.0	1.0	ug/L
Benzene	MW-64	9/16/2008		1.0	1.0	ug/L
Carbon disulfide	MW-64	9/03/2025		2.9	1.0	ug/L
Chlorobenzene	MW-64	9/03/1999		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/23/1998		19.8	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/08/1998		28.2	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/19/1999		46.5	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/03/1999		34.2	5.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	MW-64	3/24/2000		82.1	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/15/2000		43.8	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/20/2001		56.4	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/04/2001		67.0	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/20/2002		82.1	5.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/14/2016		36.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/08/2017		23.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/19/2018		17.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/11/2018		15.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/26/2019		9.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/04/2019		8.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/26/2020		4.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/15/2020		6.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/02/2021		7.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/07/2021		7.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/24/2022		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	8/31/2022		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/02/2023		3.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/12/2023		4.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/04/2024		2.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/23/2024		4.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	3/12/2025		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-64	9/03/2025		3.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-64	9/15/2000		1.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-64	3/20/2001		1.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-64	3/20/2002		2.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-64	9/12/2002		2.4	1.0	ug/L
Vinyl chloride	MW-64	1/20/1998		7.4	2.0	ug/L
Vinyl chloride	MW-64	3/23/1998		8.0	2.0	ug/L
Vinyl chloride	MW-64	9/08/1998		12.0	2.0	ug/L
Vinyl chloride	MW-64	3/19/1999		17.8	2.0	ug/L
Vinyl chloride	MW-64	9/03/1999		12.1	2.0	ug/L
Vinyl chloride	MW-64	3/24/2000		59.8	2.0	ug/L
Vinyl chloride	MW-64	9/15/2000		19.7	2.0	ug/L
Vinyl chloride	MW-64	3/20/2001		35.4	2.0	ug/L
Vinyl chloride	MW-64	9/04/2001		35.6	2.0	ug/L
Vinyl chloride	MW-64	3/20/2002		44.3	2.0	ug/L
Vinyl chloride	MW-64	9/12/2002		51.8	2.0	ug/L
Vinyl chloride	MW-64	3/21/2003		56.1	2.0	ug/L
Vinyl chloride	MW-64	9/20/2003		57.0	2.0	ug/L
Vinyl chloride	MW-64	3/24/2004		65.8	2.0	ug/L
Vinyl chloride	MW-64	9/11/2004		65.8	2.0	ug/L
Vinyl chloride	MW-64	3/03/2005		81.3	2.0	ug/L
Vinyl chloride	MW-64	9/13/2005		85.2	2.0	ug/L
Vinyl chloride	MW-64	3/16/2006		103.0	2.0	ug/L
Vinyl chloride	MW-64	9/01/2006		122.0	2.0	ug/L
Vinyl chloride	MW-64	3/27/2007		87.5	2.0	ug/L
Vinyl chloride	MW-64	9/25/2007		74.4	2.0	ug/L
Vinyl chloride	MW-64	3/20/2008		61.9	2.0	ug/L
Vinyl chloride	MW-64	3/20/2008		61.9	1.0	ug/L
Vinyl chloride	MW-64	9/16/2008		77.9	1.0	ug/L
Vinyl chloride	MW-64	9/16/2008		77.9	2.0	ug/L
Vinyl chloride	MW-64	3/06/2009		45.9	1.0	ug/L
Vinyl chloride	MW-64	9/13/2009		42.5	1.0	ug/L
Vinyl chloride	MW-64	9/24/2013		70.6	1.0	ug/L
Vinyl chloride	MW-64	9/25/2014		38.9	1.0	ug/L
Vinyl chloride	MW-64	3/25/2015		20.0	1.0	ug/L
Vinyl chloride	MW-64	9/16/2015		20.1	1.0	ug/L
Vinyl chloride	MW-64	9/14/2016		23.7	1.0	ug/L
Vinyl chloride	MW-64	3/23/2017		14.3	1.0	ug/L
Vinyl chloride	MW-64	9/08/2017		17.4	1.0	ug/L
Vinyl chloride	MW-64	3/19/2018		14.4	1.0	ug/L
Vinyl chloride	MW-64	9/11/2018		7.9	1.0	ug/L
Vinyl chloride	MW-64	3/26/2019		7.0	1.0	ug/L
Vinyl chloride	MW-64	9/04/2019		5.6	1.0	ug/L
Vinyl chloride	MW-64	3/26/2020		3.7	1.0	ug/L
Vinyl chloride	MW-64	9/15/2020		5.6	1.0	ug/L
Vinyl chloride	MW-64	3/02/2021		3.4	1.0	ug/L
Vinyl chloride	MW-64	9/07/2021		2.6	1.0	ug/L
Vinyl chloride	MW-64	3/24/2022		1.6	1.0	ug/L
Vinyl chloride	MW-64	8/31/2022		1.7	1.0	ug/L
Vinyl chloride	MW-64	3/02/2023		1.9	1.0	ug/L
Vinyl chloride	MW-64	9/12/2023		1.8	1.0	ug/L
Vinyl chloride	MW-64	3/04/2024		2.7	1.0	ug/L
Vinyl chloride	MW-64	9/23/2024		1.7	1.0	ug/L
Vinyl chloride	MW-64	9/03/2025		1.4	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Vinyl chloride	MW-65	9/16/2008		1.2	1.0	ug/L
Vinyl chloride	MW-65	9/16/2008		1.2	1.0	ug/L
Vinyl chloride	MW-65	9/24/2013		3.1	1.0	ug/L
Carbon disulfide	MW-79	12/22/2010		1	1	ug/L
Trichlorofluoromethane	MW-79	3/24/2022		1.6	1.0	ug/L
Toluene	PECS-1	9/23/2024		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101	3/23/2017		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101	3/26/2019		2.8	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101	9/04/2019		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101	12/04/2019		3.6	1.0	ug/L
Vinyl chloride	SW-101	9/04/2019		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	3/26/2020		2.6	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	9/15/2020		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	3/02/2021		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	9/07/2021		5.9	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	3/24/2022		5.5	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	8/31/2022		6.1	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	3/02/2023		5.9	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	9/12/2023		6.0	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	3/04/2024		4.0	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	9/23/2024		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	3/12/2025		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	SW-101R	9/03/2025		3.0	1.0	ug/L
Vinyl chloride	SW-101R	9/15/2020		1.8	1.0	ug/L
Vinyl chloride	SW-101R	3/02/2021		1.8	1.0	ug/L
Vinyl chloride	SW-101R	9/07/2021		4.6	1.0	ug/L
Vinyl chloride	SW-101R	3/24/2022		6.5	1.0	ug/L
Vinyl chloride	SW-101R	8/31/2022		3.9	1.0	ug/L
Vinyl chloride	SW-101R	3/02/2023		5.9	1.0	ug/L
Vinyl chloride	SW-101R	9/12/2023		4.4	1.0	ug/L
Vinyl chloride	SW-101R	3/04/2024		5.3	1.0	ug/L
Vinyl chloride	SW-101R	9/23/2024		3.1	1.0	ug/L
Vinyl chloride	SW-101R	3/12/2025		1.2	1.0	ug/L
Vinyl chloride	SW-101R	9/03/2025		3.3	1.0	ug/L
Cis-1,2-dichloroethylene	SW-103	12/13/1995		5.3	5.0	ug/L
Cis-1,2-dichloroethylene	SW-103	3/20/1996		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	SW-103	3/27/1997		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	SW-103	3/20/2002		1.4	1.0	ug/L
Vinyl chloride	SW-103	12/13/1995		6.2	2.0	ug/L

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

Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
1,1-dichloroethane	ug/L	MW-41	4	20.375	1.377	1.176	18.755	21.995	140.000	inc
1,2-dichloropropane	ug/L	MW-41	4	0.800	0.356	1.176	0.381	1.219	5.000	
Cis-1,2-dichloroethylene	ug/L	MW-41	4	3.300	0.829	1.176	2.325	4.275	70.000	
Vinyl chloride	ug/L	MW-41	4	0.500	0.000	1.176	0.500	0.500	2.000	
1,1-dichloroethane	ug/L	MW-56	4	1.325	1.021	1.176	0.124	2.526	140.000	
1,2-dichloropropane	ug/L	MW-56	4	0.500	0.000	1.176	0.500	0.500	5.000	
Cis-1,2-dichloroethylene	ug/L	MW-56	4	0.500	0.000	1.176	0.500	0.500	70.000	
Vinyl chloride	ug/L	MW-56	4	0.500	0.000	1.176	0.500	0.500	2.000	
1,1-dichloroethane	ug/L	MW-64	4	1.650	0.129	1.176	1.498	1.802	140.000	dec dec
1,2-dichloropropane	ug/L	MW-64	4	0.500	0.000	1.176	0.500	0.500	5.000	
Cis-1,2-dichloroethylene	ug/L	MW-64	4	2.925	0.929	1.176	1.833	4.017	70.000	
Vinyl chloride	ug/L	MW-64	4	1.575	0.907	1.176	0.508	2.642	2.000	
1,1-dichloroethane	ug/L	SW-101R	4	0.500	0.000	1.176	0.500	0.500	140.000	
1,2-dichloropropane	ug/L	SW-101R	4	0.500	0.000	1.176	0.500	0.500	5.000	
Cis-1,2-dichloroethylene	ug/L	SW-101R	4	3.150	0.755	1.176	2.262	4.038	70.000	
Vinyl chloride	ug/L	SW-101R	4	3.225	1.676	1.176	1.253	5.197	2.000	

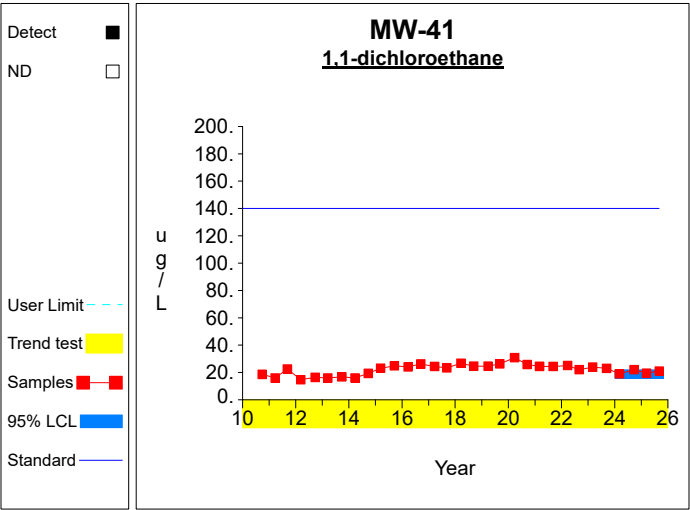
* - Insufficient Data

** - Significant Exceedance

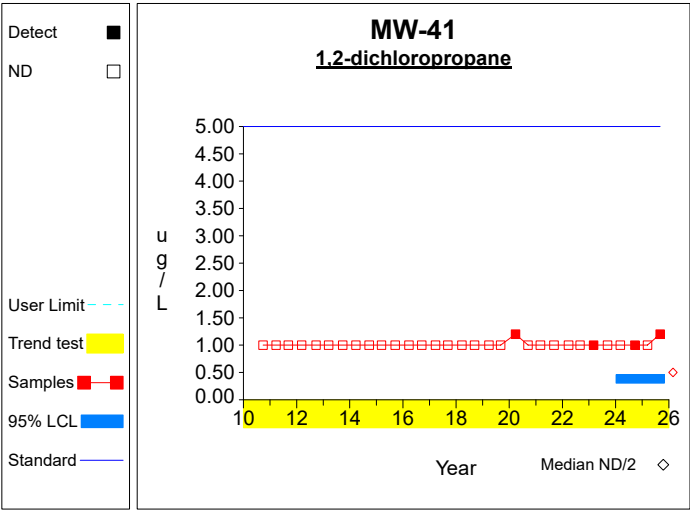
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

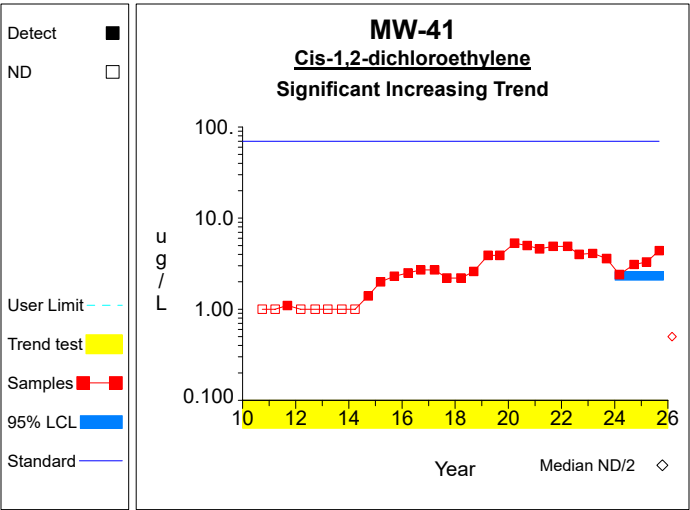
Confidence Limits (Assessment)



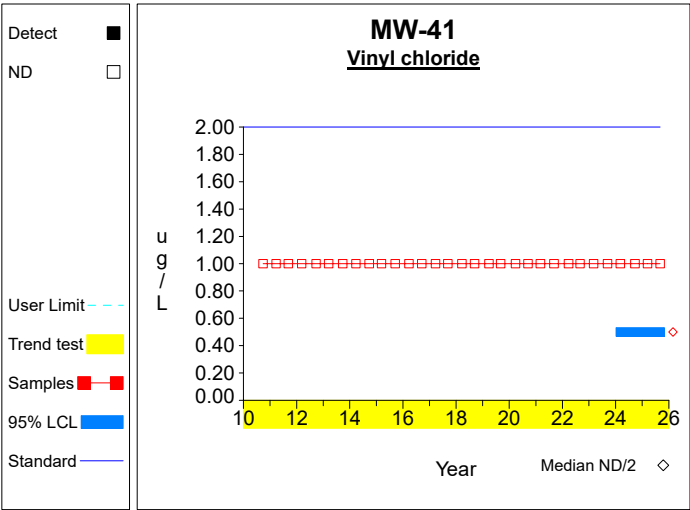
Graph 1



Graph 2

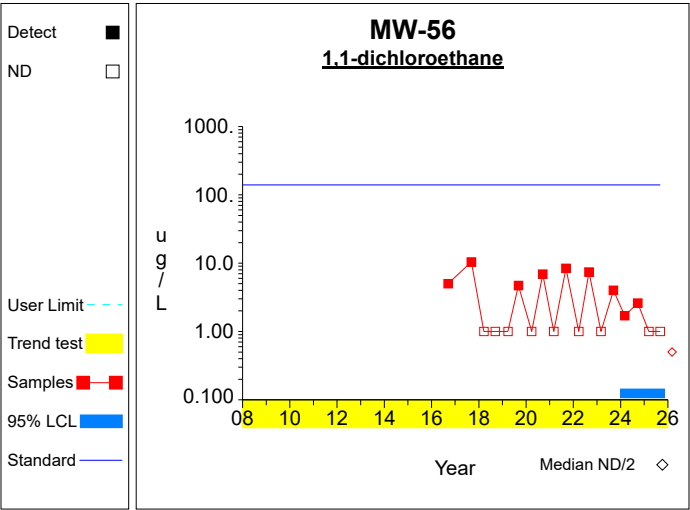


Graph 3

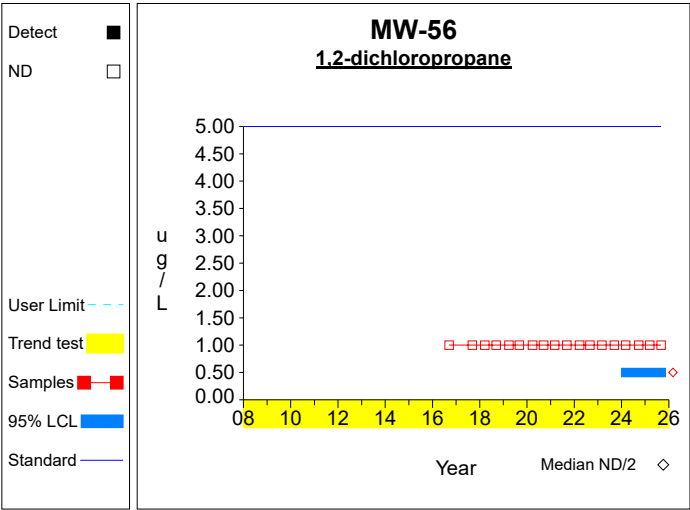


Graph 4

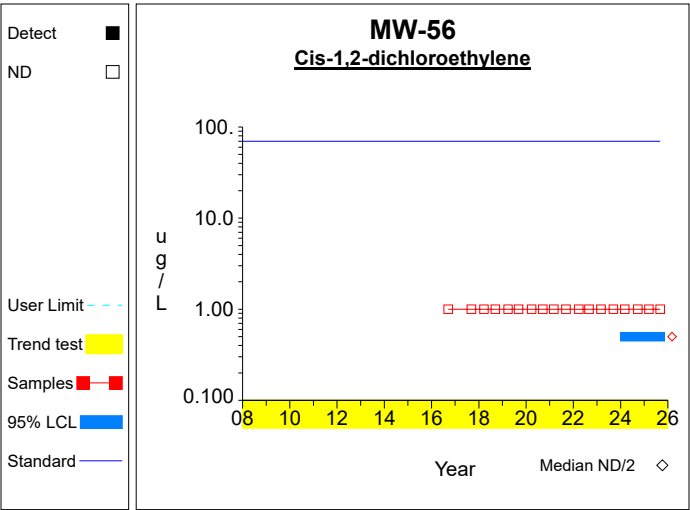
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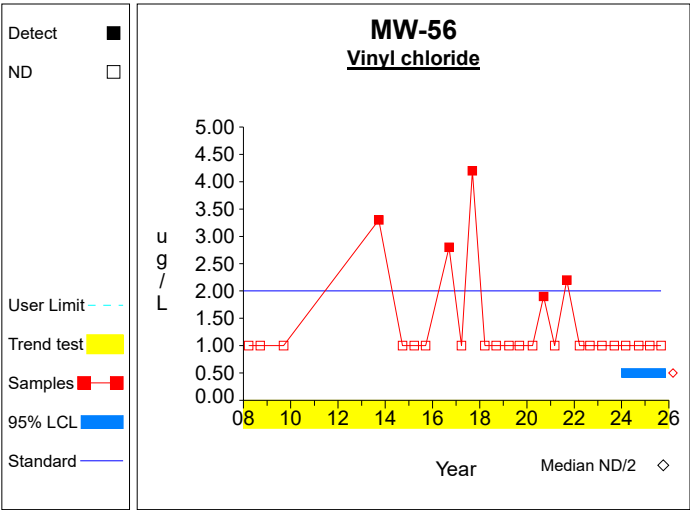
Graph 5



Graph 6

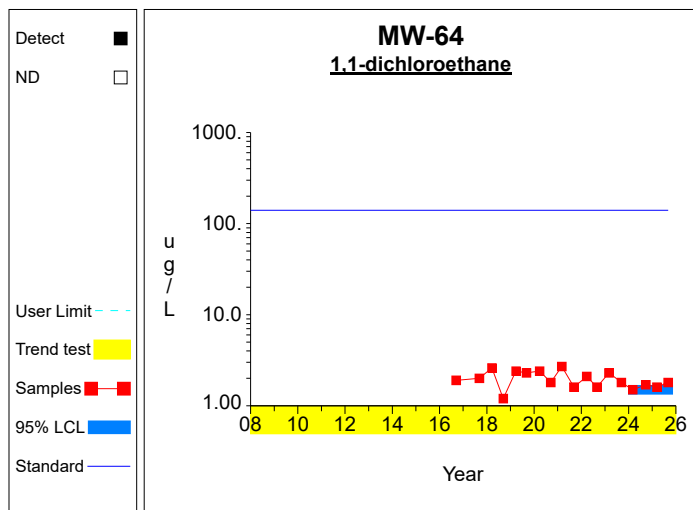


Graph 7

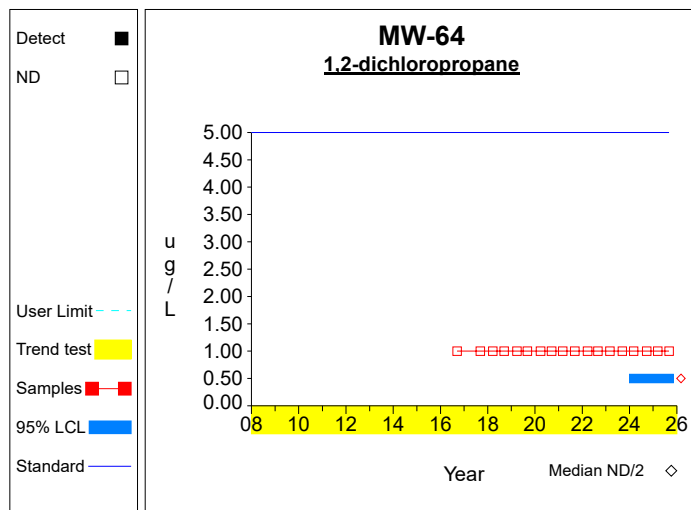


Graph 8

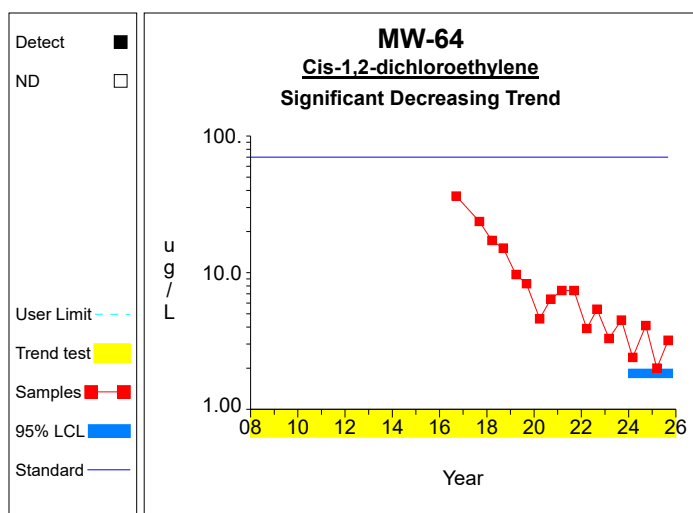
Confidence Limits (Assessment)



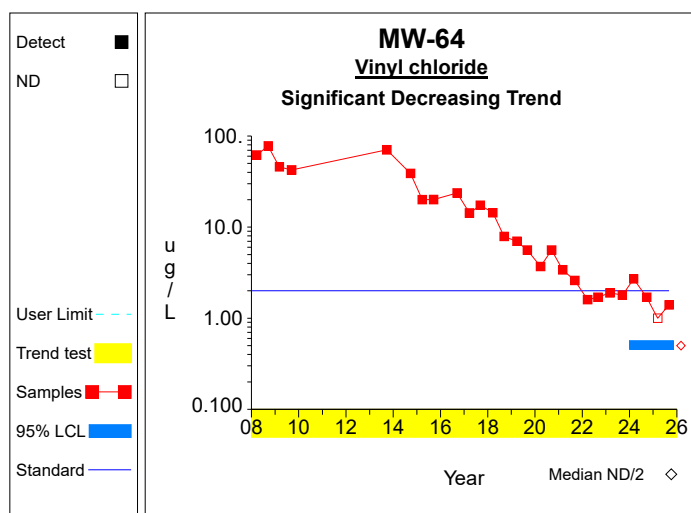
Graph 9



Graph 10

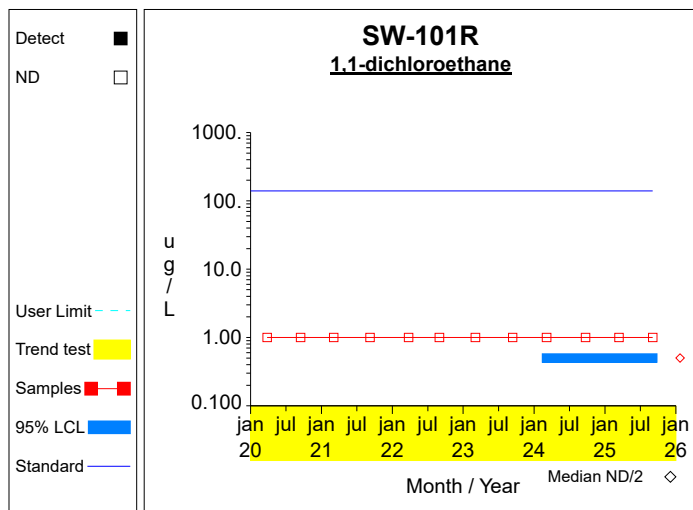


Graph 11

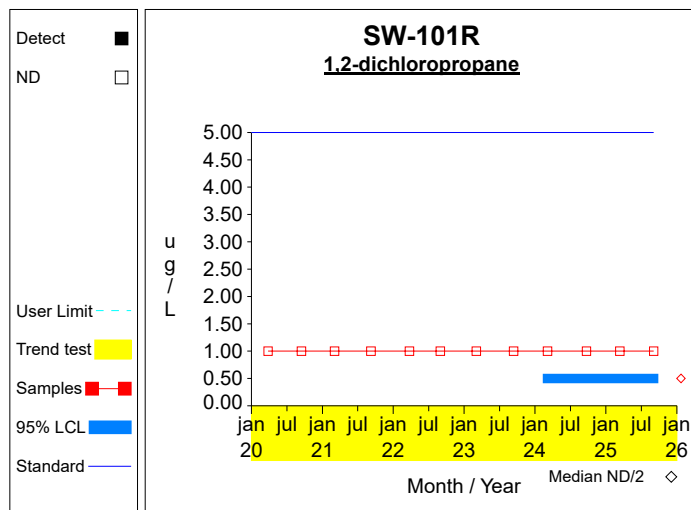


Graph 12

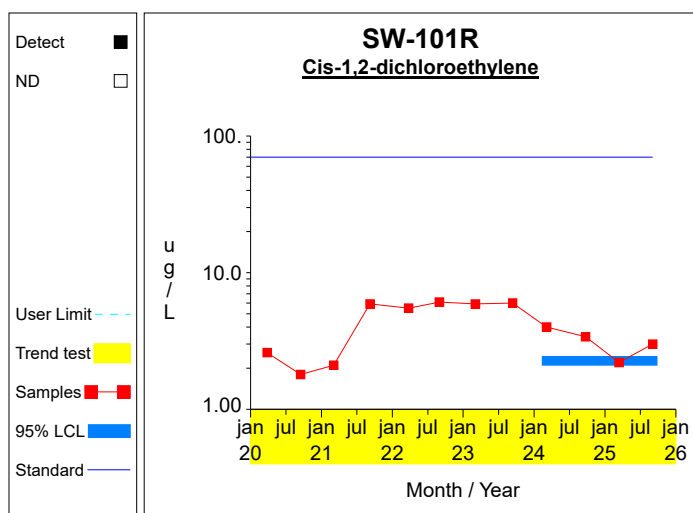
Confidence Limits (Assessment)



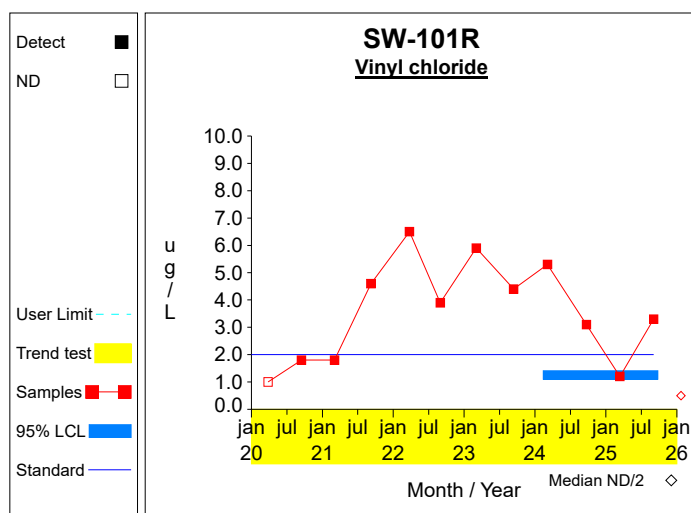
Graph 13



Graph 14



Graph 15



Graph 16

Appendix C

Laboratory Reports for Reporting Period *With Chain of Custody*



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC0851

Project Description

6002

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Monday, March 31, 2025

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

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

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

1IC0851

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6002

Project / PO Number: N/A
Received: 03/12/2025
Reported: 03/31/2025

Sample Summary Report

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Client Matrix</u>	<u>Sample Type</u>	<u>Sample Begin</u>	<u>Sample Taken</u>	<u>Lab Received</u>
MW-44	1IC0851-01	Aqueous	GRAB		03/12/25 13:19	03/12/25 16:30
MW-57	1IC0851-02	Aqueous	GRAB		03/12/25 14:22	03/12/25 16:30
MW-56	1IC0851-03	Aqueous	GRAB		03/12/25 13:57	03/12/25 16:30
MW-64	1IC0851-04	Aqueous	GRAB		03/12/25 14:11	03/12/25 16:30
MW-65	1IC0851-05	Aqueous	GRAB		03/12/25 13:45	03/12/25 16:30
SW-101R	1IC0851-06	Aqueous	GRAB		03/12/25 14:54	03/12/25 16:30
PECS-1	1IC0851-07	Aqueous	GRAB		03/12/25 15:02	03/12/25 16:30
SW-102	1IC0851-08	Aqueous	GRAB		03/12/25 10:52	03/12/25 16:30
SW-103	1IC0851-09	Aqueous	GRAB		03/12/25 13:43	03/12/25 16:30
MW-48 (B)	1IC0851-10	Aqueous	GRAB		03/12/25 14:45	03/12/25 16:30
MW-39 (B)	1IC0851-11	Aqueous	GRAB		03/12/25 12:33	03/12/25 16:30
MW-78 (B)	1IC0851-12	Aqueous	GRAB		03/12/25 11:51	03/12/25 16:30
MW-62R	1IC0851-13	Aqueous	GRAB		03/12/25 12:04	03/12/25 16:30
MW-79	1IC0851-14	Aqueous	GRAB		03/12/25 11:37	03/12/25 16:30
MW-80	1IC0851-15	Aqueous	GRAB		03/12/25 01:13	03/12/25 16:30
MW-36	1IC0851-16	Aqueous	GRAB		03/12/25 12:47	03/12/25 16:30
MW-41	1IC0851-17	Aqueous	GRAB		03/12/25 09:03	03/12/25 16:30
MW-42	1IC0851-18	Aqueous	GRAB		03/12/25 09:42	03/12/25 16:30
MW-58	1IC0851-19	Aqueous	GRAB		03/12/25 10:00	03/12/25 16:30
MW-59	1IC0851-20	Aqueous	GRAB		03/12/25 10:29	03/12/25 16:30
MW-60	1IC0851-21	Aqueous	GRAB		03/12/25 08:38	03/12/25 16:30
MW-61	1IC0851-22	Aqueous	GRAB		03/12/25 12:59	03/12/25 16:30
Duplicate	1IC0851-23	Aqueous	GRAB		03/12/25 00:00	03/12/25 16:30



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CERTIFICATE OF ANALYSIS

11C0851

Analytical Testing Parameters

Client Sample ID: MW-44
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-01

Collected By: Whipple, Todd
Collection Date: 03/12/2025 13:19

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Dichlorodifluoromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Chloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Acrolein	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1619	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Acetone	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Methyl Iodide	<2.0	2.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Acetonitrile	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1619	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
2,2-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
2-Butanone (MEK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Chloroform	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
1,1-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Benzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Toluene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Ethyl Methacrylate	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
1,3-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-44
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-01

Collected By: Whipple, Todd
Collection Date: 03/12/2025 13:19

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Dibromochloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Styrene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Bromoform	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1820	CSM
Allyl chloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1822	RAF
Chloroprene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1822	RAF
Methacrylonitrile	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1822	RAF
Methyl Methacrylate	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1822	RAF
Propionitrile	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1822	RAF
Surrogate: Dibromofluoromethane	105	Limit: 57-134	% Rec	1		03/24/25 0000	03/24/25 1822	RAF
Surrogate: Dibromofluoromethane	94.4	Limit: 57-134	% Rec	1		03/24/25 0000	03/24/25 1820	CSM
Surrogate: 1,2-Dichloroethane-d4	91.8	Limit: 53-140	% Rec	1		03/24/25 0000	03/24/25 1820	CSM
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 53-140	% Rec	1		03/24/25 0000	03/24/25 1822	RAF
Surrogate: 1,2-Dichloroethane-d4	69.0	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 1619	CSM
Surrogate: Toluene-d8	98.3	Limit: 86-114	% Rec	1		03/24/25 0000	03/24/25 1822	RAF
Surrogate: Toluene-d8	97.5	Limit: 86-114	% Rec	1		03/24/25 0000	03/24/25 1820	CSM
Surrogate: Toluene-d8	104	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 1619	CSM
Surrogate: 4-Bromofluorobenzene	99.9	Limit: 78-121	% Rec	1		03/24/25 0000	03/24/25 1822	RAF
Surrogate: 4-Bromofluorobenzene	93.2	Limit: 78-121	% Rec	1		03/24/25 0000	03/24/25 1820	CSM
Surrogate: 4-Bromofluorobenzene	91.2	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 1619	CSM

Determination of General Solvents	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8015C								
Isobutanol	<1.0	1.0	mg/L	1		03/21/25 1147	03/23/25 0154	PDS
Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3520C/EPA 8270C								
N-Nitrosodimethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Methyl Methanesulfonate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
N-Nitrosodiethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
N-Nitrosomethylethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-44
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-01

Collected By: Whipple, Todd
Collection Date: 03/12/2025 13:19

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Ethyl Methanesulfonate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Phenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Bis(2-Chloroethyl) Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
2-Chlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Benzyl Alcohol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
N-Nitrosopyrrolidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Acetophenone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
o-Toluidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
(3 & 4)-Methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Hexachloroethane	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Nitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
N-Nitrosopiperidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Isophorone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
2-Nitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
2,4-Dimethylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
2,4-Dichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Naphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
4-Chloroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
2,6-Dichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Hexachloropropene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Hexachlorobutadiene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
1,4-Phenylenediamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
4-Chloro-3-methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
2-Methylnaphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Isosafrole	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Hexachlorocyclopentadiene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
2,4,6-Trichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
2,4,5-Trichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Safrole	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
2-Chloronaphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
2-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
1,4-Naphthoquinone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Dimethylphthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
1,3-Dinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
1,2-Dinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
2,6-Dinitrotoluene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Acenaphthylene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-44
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-01

Collected By: Whipple, Todd
Collection Date: 03/12/2025 13:19

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
3-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Acenaphthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
2,4-Dinitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
4-Nitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Dibenzofuran	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
2,4-Dinitrotoluene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Pentachlorobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
1-Naphthylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
2-Naphthylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Diethyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Fluorene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
4-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
5-Nitro-o-toluidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
N-Nitrosodiphenylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Diphenylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Azobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Diallate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Phenacetin	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
4-Aminobiphenyl	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Pentachlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Pronamide	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Phenanthrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Di-n-butyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Methapyrilene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Isodrin	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Chlorobenzilate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
3,3-Dimethylbenzidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Butyl Benzyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Benzo(a)anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Chrysene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Kepone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-44
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-01

Collected By: Whipple, Todd
Collection Date: 03/12/2025 13:19

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
2-Acetylaminofluorene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Di-n-octyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Benzo(b)Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Benzo(k)Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Benzo(a)Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
3-Methylcholanthrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Benzo(g,h,i)perylene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2108	EPP
Surrogate: 2-Fluorophenol	63.1	Limit: 10-149	% Rec	1		03/19/25 1349	03/24/25 2108	EPP
Surrogate: Phenol-d6	67.7	Limit: 10-143	% Rec	1		03/19/25 1349	03/24/25 2108	EPP
Surrogate: Nitrobenzene-d5	66.9	Limit: 20-149	% Rec	1		03/19/25 1349	03/24/25 2108	EPP
Surrogate: 2-Fluorobiphenyl	70.3	Limit: 11-146	% Rec	1		03/19/25 1349	03/24/25 2108	EPP
Surrogate: 2,4,6-Tribromophenol	87.6	Limit: 10-153	% Rec	1		03/19/25 1349	03/24/25 2108	EPP
Surrogate: Terphenyl-dl4	52.8	Limit: 27-155	% Rec	1		03/19/25 1349	03/24/25 2108	EPP

Determination of Organophosphorus Insecticides	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8141								
O,O,O-Triethyl phosphorothioate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1825	EPP
Thionazin	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1825	EPP
Phorate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1825	EPP
Dimethoate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1825	EPP
Disulfoton	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1825	EPP
Methyl Parathion	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1825	EPP
Parathion	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1825	EPP
Famphur	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1825	EPP
Surrogate: 2-Nitro-m-xylene	60.1	Limit: 15-154	% Rec	1		03/17/25 1427	03/24/25 1825	EPP

Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8151A								
2,4-D	<2.0	2.0	ug/L	1		03/14/25 1557	03/21/25 1858	EPP
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 1858	EPP
2,4,5-T	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 1858	EPP
Dinoseb	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 1858	EPP
Surrogate: 2,5-Dichlorobenzoic Acid	154	Limit: 36-159	% Rec	1		03/14/25 1557	03/21/25 1858	EPP

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8081								
Alpha-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP



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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-44
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-01

Collected By: Whipple, Todd
Collection Date: 03/12/2025 13:19

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Beta-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
Heptachlor	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
Delta-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
Aldrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
Endosulfan I	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
4,4'-DDE	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
Dieldrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
Endrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
4,4'-DDD	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
Endosulfan II	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
4,4'-DDT	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
Endrin Aldehyde	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
Methoxychlor	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
Chlordane	<0.10	0.10	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
Toxaphene	<0.20	0.20	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
Hexachlorobenzene	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1313	EPP
Surrogate: Tetrachloro-m-xylene	78.2	Limit: 40-116	% Rec	1		03/17/25 1421	03/21/25 1313	EPP

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8082								
Arochlor 1016	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1313	EPP
Arochlor 1221	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1313	EPP
Arochlor 1232	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1313	EPP
Arochlor 1242	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1313	EPP
Arochlor 1248	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1313	EPP
Arochlor 1254	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1313	EPP
Arochlor 1260	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1313	EPP
Surrogate: Tetrachloro-m-xylene	78.2	Limit: 37-120	% Rec	1		03/17/25 1424	03/21/25 1313	EPP
Surrogate: Decachlorobiphenyl	58.0	Limit: 22-116	% Rec	1		03/17/25 1424	03/21/25 1313	EPP

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			03/17/25 0928	AKK
EPA 9014								
Cyanide, total	<0.010	0.010	mg/L	1		03/20/25 0716	03/21/25 0908	CES
Determination of Total Metals								
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/19/25 2251	KKJ



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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID:	MW-44	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/12/2025 13:19
Lab Sample ID:	1IC0851-01		

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Arsenic, total	0.0089	0.0040	mg/L	4		03/14/25 1555	03/19/25 2251	KKJ
Barium, total	0.126	0.0040	mg/L	4		03/14/25 1555	03/19/25 2251	KKJ
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2251	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/19/25 2251	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/19/25 2251	KKJ
Cobalt, total	0.0103	0.0004	mg/L	4		03/14/25 1555	03/19/25 2251	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2251	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2251	KKJ
Nickel, total	0.0088	0.0040	mg/L	4		03/14/25 1555	03/19/25 2251	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2251	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2251	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/19/25 2251	KKJ
Tin, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/19/25 2251	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/19/25 2251	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/19/25 2251	KKJ
EPA 7470A								
Mercury, total	<0.00050	0.00050	mg/L	1		03/20/25 1536	03/21/25 1503	JAR

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID: MW-57
Sample Matrix: Aqueous
Lab Sample ID: 1IC0851-02

Collected By: Whipple, Todd
Collection Date: 03/12/2025 14:22

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Dichlorodifluoromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Chloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Acrolein	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1641	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Acetone	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Methyl Iodide	<2.0	2.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Acetonitrile	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1641	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
2,2-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
2-Butanone (MEK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Chloroform	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
1,1-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Benzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Toluene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Ethyl Methacrylate	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
1,3-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID: MW-57
Sample Matrix: Aqueous
Lab Sample ID: 1IC0851-02

Collected By: Whipple, Todd
Collection Date: 03/12/2025 14:22

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Chlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Styrene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Bromoform	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1842	CSM
Allyl chloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1845	RAF
Chloroprene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1845	RAF
Methacrylonitrile	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1845	RAF
Methyl Methacrylate	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1845	RAF
Propionitrile	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1845	RAF
Surrogate: Dibromofluoromethane	106	Limit: 57-134	% Rec	1		03/24/25 0000	03/24/25 1845	RAF
Surrogate: Dibromofluoromethane	95.2	Limit: 57-134	% Rec	1		03/24/25 0000	03/24/25 1842	CSM
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 53-140	% Rec	1		03/24/25 0000	03/24/25 1845	RAF
Surrogate: 1,2-Dichloroethane-d4	91.6	Limit: 53-140	% Rec	1		03/24/25 0000	03/24/25 1842	CSM
Surrogate: 1,2-Dichloroethane-d4	70.1	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 1641	CSM
Surrogate: Toluene-d8	98.4	Limit: 86-114	% Rec	1		03/24/25 0000	03/24/25 1845	RAF
Surrogate: Toluene-d8	98.3	Limit: 86-114	% Rec	1		03/24/25 0000	03/24/25 1842	CSM
Surrogate: Toluene-d8	103	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 1641	CSM
Surrogate: 4-Bromofluorobenzene	90.8	Limit: 78-121	% Rec	1		03/24/25 0000	03/24/25 1842	CSM
Surrogate: 4-Bromofluorobenzene	97.3	Limit: 78-121	% Rec	1		03/24/25 0000	03/24/25 1845	RAF
Surrogate: 4-Bromofluorobenzene	94.2	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 1641	CSM

Determination of General Solvents	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8015C								
Isobutanol	<1.0	1.0	mg/L	1		03/21/25 1147	03/23/25 0232	PDS

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3520C/EPA 8270C								
N-Nitrosodimethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Methyl Methanesulfonate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
N-Nitrosodiethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
N-Nitrosomethylethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Ethyl Methanesulfonate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Phenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-57
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-02

Collected By: Whipple, Todd
Collection Date: 03/12/2025 14:22

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Bis(2-Chloroethyl) Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
2-Chlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Benzyl Alcohol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
N-Nitrosopyrrolidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Acetophenone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
o-Toluidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
(3 & 4)-Methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Hexachloroethane	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Nitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
N-Nitrosopiperidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Isophorone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
2-Nitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
2,4-Dimethylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
2,4-Dichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Naphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
4-Chloroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
2,6-Dichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Hexachloropropene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Hexachlorobutadiene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
1,4-Phenylenediamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
4-Chloro-3-methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
2-Methylnaphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Isosafrole	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Hexachlorocyclopentadiene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
2,4,6-Trichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
2,4,5-Trichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Safrole	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
2-Chloronaphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
2-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
1,4-Naphthoquinone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Dimethylphthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
1,3-Dinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
1,2-Dinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
2,6-Dinitrotoluene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Acenaphthylene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
3-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Acenaphthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID: MW-57
Sample Matrix: Aqueous
Lab Sample ID: 1IC0851-02

Collected By: Whipple, Todd
Collection Date: 03/12/2025 14:22

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
4-Nitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Dibenzofuran	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
2,4-Dinitrotoluene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Pentachlorobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
1-Naphthylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
2-Naphthylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Diethyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Fluorene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
4-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
5-Nitro-o-toluidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
N-Nitrosodiphenylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Diphenylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Azobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Diallate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Phenacetin	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
4-Aminobiphenyl	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Pentachlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Pronamide	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Phenanthrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Di-n-butyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Methapyrilene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Isodrin	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Chlorobenzilate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
3,3-Dimethylbenzidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Butyl Benzyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Benzo(a)anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Chrysene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Kepone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
2-Acetylaminofluorene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Di-n-octyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-57
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-02

Collected By: Whipple, Todd
Collection Date: 03/12/2025 14:22

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

Benzo(b)Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Benzo(k)Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Benzo(a)Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
3-Methylcholanthrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Benzo(g,h,i)perylene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2133	EPP
Surrogate: 2-Fluorophenol	63.9	Limit: 10-149	% Rec	1		03/19/25 1349	03/24/25 2133	EPP
Surrogate: Phenol-d6	66.7	Limit: 10-143	% Rec	1		03/19/25 1349	03/24/25 2133	EPP
Surrogate: Nitrobenzene-d5	71.5	Limit: 20-149	% Rec	1		03/19/25 1349	03/24/25 2133	EPP
Surrogate: 2-Fluorobiphenyl	75.6	Limit: 11-146	% Rec	1		03/19/25 1349	03/24/25 2133	EPP
Surrogate: 2,4,6-Tribromophenol	86.2	Limit: 10-153	% Rec	1		03/19/25 1349	03/24/25 2133	EPP
Surrogate: Terphenyl-dl4	73.9	Limit: 27-155	% Rec	1		03/19/25 1349	03/24/25 2133	EPP

Determination of Organophosphorus Insecticides	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst

EPA 3510C/EPA 8141

O,O,O-Triethyl phosphorothioate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1907	EPP
Thionazin	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1907	EPP
Phorate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1907	EPP
Dimethoate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1907	EPP
Disulfoton	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1907	EPP
Methyl Parathion	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1907	EPP
Parathion	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1907	EPP
Famphur	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1907	EPP
Surrogate: 2-Nitro-m-xylene	70.9	Limit: 15-154	% Rec	1		03/17/25 1427	03/24/25 1907	EPP

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

EPA 8151A

2,4-D	<2.0	2.0	ug/L	1		03/14/25 1557	03/21/25 1930	EPP
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 1930	EPP
2,4,5-T	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 1930	EPP
Dinoseb	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 1930	EPP
Surrogate: 2,5-Dichlorobenzoic Acid	114	Limit: 36-159	% Rec	1		03/14/25 1557	03/21/25 1930	EPP

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

EPA 3510C/EPA 8081

Alpha-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
Beta-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
Heptachlor	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-57
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-02

Collected By: Whipple, Todd
Collection Date: 03/12/2025 14:22

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Delta-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
Aldrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
Endosulfan I	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
4,4'-DDE	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
Dieldrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
Endrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
4,4'-DDD	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
Endosulfan II	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
4,4'-DDT	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
Endrin Aldehyde	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
Methoxychlor	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
Chlordane	<0.10	0.10	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
Toxaphene	<0.20	0.20	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
Hexachlorobenzene	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1327	EPP
Surrogate: Tetrachloro-m-xylene	84.7	Limit: 40-116	% Rec	1		03/17/25 1421	03/21/25 1327	EPP

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8082								
Arochlor 1016	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1327	EPP
Arochlor 1221	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1327	EPP
Arochlor 1232	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1327	EPP
Arochlor 1242	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1327	EPP
Arochlor 1248	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1327	EPP
Arochlor 1254	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1327	EPP
Arochlor 1260	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1327	EPP
Surrogate: Tetrachloro-m-xylene	84.7	Limit: 37-120	% Rec	1		03/17/25 1424	03/21/25 1327	EPP
Surrogate: Decachlorobiphenyl	83.2	Limit: 22-116	% Rec	1		03/17/25 1424	03/21/25 1327	EPP

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			03/17/25 0928	AKK
EPA 9014								
Cyanide, total	<0.010	0.010	mg/L	1		03/20/25 0716	03/21/25 0908	CES

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		03/14/25 1555	03/19/25 2328	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2328	KKJ
Barium, total	0.164	0.0040	mg/L	4		03/14/25 1555	03/19/25 2328	KKJ

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID:	MW-57	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/12/2025 14:22
Lab Sample ID:	1IC0851-02		

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2328	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/19/25 2328	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/19/25 2328	KKJ
Cobalt, total	<0.0004	0.0004	mg/L	4		03/14/25 1555	03/19/25 2328	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2328	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2328	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2328	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2328	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2328	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/19/25 2328	KKJ
Tin, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/19/25 2328	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/19/25 2328	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/19/25 2328	KKJ
EPA 7470A								
Mercury, total	<0.00050	0.00050	mg/L	1		03/20/25 1536	03/21/25 1505	JAR

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-56
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-03

Collected By: Whipple, Todd
Collection Date: 03/12/2025 13:57

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Acetone	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Chloroform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Benzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Toluene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Styrene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Bromoform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-56
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-03

Collected By: Whipple, Todd
Collection Date: 03/12/2025 13:57

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1703	CSM
Surrogate: Dibromofluoromethane	67.9	Limit: 57-134	% Rec	1		03/19/25 0000	03/19/25 1703	CSM
Surrogate: Dibromofluoromethane	67.9	Limit: 75-136	% Rec	1	S2	03/19/25 0000	03/19/25 1703	CSM
Surrogate: 1,2-Dichloroethane-d4	66.8	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 1703	CSM
Surrogate: 1,2-Dichloroethane-d4	66.8	Limit: 61-142	% Rec	1		03/19/25 0000	03/19/25 1703	CSM
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 1703	CSM
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec	1		03/19/25 0000	03/19/25 1703	CSM
Surrogate: 4-Bromofluorobenzene	92.5	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 1703	CSM
Surrogate: 4-Bromofluorobenzene	92.5	Limit: 80-116	% Rec	1		03/19/25 0000	03/19/25 1703	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		03/14/25 1555	03/19/25 2334	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2334	KKJ
Barium, total	0.0182	0.0040	mg/L	4		03/14/25 1555	03/19/25 2334	KKJ
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2334	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/19/25 2334	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/19/25 2334	KKJ
Cobalt, total	<0.0004	0.0004	mg/L	4		03/14/25 1555	03/19/25 2334	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2334	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2334	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2334	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2334	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2334	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/19/25 2334	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/19/25 2334	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/19/25 2334	KKJ

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-64
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-04

Collected By: Whipple, Todd
Collection Date: 03/12/2025 14:11

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		03/19/25 0000	03/19/25 1726	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Acetone	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
1,1-Dichloroethane	1.6	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
cis-1,2-Dichloroethylene	2.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Chloroform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Benzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Toluene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Styrene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Bromoform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-64
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-04

Collected By: Whipple, Todd
Collection Date: 03/12/2025 14:11

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		03/19/25 0000	03/19/25 1726	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1726	CSM
Surrogate: Dibromofluoromethane	74.9	Limit: 75-136	% Rec	1	S2	03/19/25 0000	03/19/25 1726	CSM
Surrogate: Dibromofluoromethane	74.9	Limit: 57-134	% Rec	1		03/19/25 0000	03/19/25 1726	CSM
Surrogate: 1,2-Dichloroethane-d4	71.6	Limit: 61-142	% Rec	1		03/19/25 0000	03/19/25 1726	CSM
Surrogate: 1,2-Dichloroethane-d4	71.6	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 1726	CSM
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec	1		03/19/25 0000	03/19/25 1726	CSM
Surrogate: Toluene-d8	104	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 1726	CSM
Surrogate: 4-Bromofluorobenzene	93.4	Limit: 80-116	% Rec	1		03/19/25 0000	03/19/25 1726	CSM
Surrogate: 4-Bromofluorobenzene	93.4	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 1726	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		03/14/25 1555	03/19/25 2340	KKJ
Arsenic, total	0.0257	0.0040	mg/L	4		03/14/25 1555	03/19/25 2340	KKJ
Barium, total	0.0572	0.0040	mg/L	4		03/14/25 1555	03/19/25 2340	KKJ
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2340	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/19/25 2340	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/19/25 2340	KKJ
Cobalt, total	0.0111	0.0004	mg/L	4		03/14/25 1555	03/19/25 2340	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2340	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2340	KKJ
Nickel, total	0.0307	0.0040	mg/L	4		03/14/25 1555	03/19/25 2340	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2340	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2340	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/19/25 2340	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/19/25 2340	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/19/25 2340	KKJ

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID: MW-65
Sample Matrix: Aqueous
Lab Sample ID: 1IC0851-05

Collected By: Whipple, Todd
Collection Date: 03/12/2025 13:45

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	03/19/25 1748	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Acetone	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Chloroform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Benzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Toluene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Styrene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Bromoform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-65
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-05

Collected By: Whipple, Todd
Collection Date: 03/12/2025 13:45

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		03/19/25 0000	03/19/25 1748	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1748	CSM
Surrogate: Dibromofluoromethane	73.6	Limit: 57-134	% Rec	1		03/19/25 0000	03/19/25 1748	CSM
Surrogate: Dibromofluoromethane	73.6	Limit: 75-136	% Rec	1	S2	03/19/25 0000	03/19/25 1748	CSM
Surrogate: 1,2-Dichloroethane-d4	68.2	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 1748	CSM
Surrogate: 1,2-Dichloroethane-d4	68.2	Limit: 61-142	% Rec	1		03/19/25 0000	03/19/25 1748	CSM
Surrogate: Toluene-d8	104	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 1748	CSM
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec	1		03/19/25 0000	03/19/25 1748	CSM
Surrogate: 4-Bromofluorobenzene	91.4	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 1748	CSM
Surrogate: 4-Bromofluorobenzene	91.4	Limit: 80-116	% Rec	1		03/19/25 0000	03/19/25 1748	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		03/14/25 1555	03/19/25 2347	KKJ
Arsenic, total	0.0043	0.0040	mg/L	4		03/14/25 1555	03/19/25 2347	KKJ
Barium, total	0.0300	0.0040	mg/L	4		03/14/25 1555	03/19/25 2347	KKJ
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2347	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/19/25 2347	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/19/25 2347	KKJ
Cobalt, total	0.0036	0.0004	mg/L	4		03/14/25 1555	03/19/25 2347	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2347	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2347	KKJ
Nickel, total	0.0120	0.0040	mg/L	4		03/14/25 1555	03/19/25 2347	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2347	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2347	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/19/25 2347	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/19/25 2347	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/19/25 2347	KKJ

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: SW-101R
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-06

Collected By: Whipple, Todd
Collection Date: 03/12/2025 14:54

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	03/19/25 1810	CSM
Vinyl Chloride	1.2	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Acetone	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
cis-1,2-Dichloroethylene	2.2	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Chloroform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Benzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Toluene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Styrene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Bromoform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: SW-101R
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-06

Collected By: Whipple, Todd
Collection Date: 03/12/2025 14:54

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		03/19/25 0000	03/19/25 1810	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1810	CSM
Surrogate: Dibromofluoromethane	72.6	Limit: 57-134	% Rec	1		03/19/25 0000	03/19/25 1810	CSM
Surrogate: Dibromofluoromethane	72.6	Limit: 75-136	% Rec	1	S2	03/19/25 0000	03/19/25 1810	CSM
Surrogate: 1,2-Dichloroethane-d4	72.1	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 1810	CSM
Surrogate: 1,2-Dichloroethane-d4	72.1	Limit: 61-142	% Rec	1		03/19/25 0000	03/19/25 1810	CSM
Surrogate: Toluene-d8	102	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 1810	CSM
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec	1		03/19/25 0000	03/19/25 1810	CSM
Surrogate: 4-Bromofluorobenzene	93.0	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 1810	CSM
Surrogate: 4-Bromofluorobenzene	93.0	Limit: 80-116	% Rec	1		03/19/25 0000	03/19/25 1810	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		03/14/25 1555	03/19/25 2353	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2353	KKJ
Barium, total	0.224	0.0040	mg/L	4		03/14/25 1555	03/19/25 2353	KKJ
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2353	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/19/25 2353	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/19/25 2353	KKJ
Cobalt, total	0.0014	0.0004	mg/L	4		03/14/25 1555	03/19/25 2353	KKJ
Copper, total	0.0057	0.0040	mg/L	4		03/14/25 1555	03/19/25 2353	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2353	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2353	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2353	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2353	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/19/25 2353	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/19/25 2353	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/26/25 0950	RVV

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: PECS-1
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-07

Collected By: Whipple, Todd
Collection Date: 03/12/2025 15:02

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	03/19/25 1833	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Acetone	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Chloroform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Benzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Toluene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Styrene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Bromoform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: PECS-1
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-07

Collected By: Whipple, Todd
Collection Date: 03/12/2025 15:02

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		03/19/25 0000	03/19/25 1833	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1833	CSM
Surrogate: Dibromofluoromethane	77.8	Limit: 57-134	% Rec	1		03/19/25 0000	03/19/25 1833	CSM
Surrogate: Dibromofluoromethane	77.8	Limit: 75-136	% Rec	1		03/19/25 0000	03/19/25 1833	CSM
Surrogate: 1,2-Dichloroethane-d4	74.2	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 1833	CSM
Surrogate: 1,2-Dichloroethane-d4	74.2	Limit: 61-142	% Rec	1		03/19/25 0000	03/19/25 1833	CSM
Surrogate: Toluene-d8	102	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 1833	CSM
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec	1		03/19/25 0000	03/19/25 1833	CSM
Surrogate: 4-Bromofluorobenzene	92.0	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 1833	CSM
Surrogate: 4-Bromofluorobenzene	92.0	Limit: 80-116	% Rec	1		03/19/25 0000	03/19/25 1833	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: SW-102
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-08

Collected By: Whipple, Todd
Collection Date: 03/12/2025 10:52

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	03/19/25 1855	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Acetone	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Chloroform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Benzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Toluene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Styrene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Bromoform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: SW-102
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-08

Collected By: Whipple, Todd
Collection Date: 03/12/2025 10:52

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		03/19/25 0000	03/19/25 1855	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1855	CSM
Surrogate: Dibromofluoromethane	72.8	Limit: 57-134	% Rec	1		03/19/25 0000	03/19/25 1855	CSM
Surrogate: Dibromofluoromethane	72.8	Limit: 75-136	% Rec	1	S2	03/19/25 0000	03/19/25 1855	CSM
Surrogate: 1,2-Dichloroethane-d4	72.6	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 1855	CSM
Surrogate: 1,2-Dichloroethane-d4	72.6	Limit: 61-142	% Rec	1		03/19/25 0000	03/19/25 1855	CSM
Surrogate: Toluene-d8	105	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 1855	CSM
Surrogate: Toluene-d8	105	Limit: 82-121	% Rec	1		03/19/25 0000	03/19/25 1855	CSM
Surrogate: 4-Bromofluorobenzene	90.6	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 1855	CSM
Surrogate: 4-Bromofluorobenzene	90.6	Limit: 80-116	% Rec	1		03/19/25 0000	03/19/25 1855	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		03/14/25 1555	03/19/25 2359	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2359	KKJ
Barium, total	0.152	0.0040	mg/L	4		03/14/25 1555	03/19/25 2359	KKJ
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2359	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/19/25 2359	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/19/25 2359	KKJ
Cobalt, total	<0.0004	0.0004	mg/L	4		03/14/25 1555	03/19/25 2359	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2359	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2359	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2359	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2359	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/19/25 2359	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/19/25 2359	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/19/25 2359	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/19/25 2359	KKJ

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID: SW-103
Sample Matrix: Aqueous
Lab Sample ID: 1IC0851-09

Collected By: Whipple, Todd
Collection Date: 03/12/2025 13:43

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Acetone	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Chloroform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Benzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Toluene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Styrene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Bromoform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: SW-103
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-09

Collected By: Whipple, Todd
Collection Date: 03/12/2025 13:43

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1917	CSM
Surrogate: Dibromofluoromethane	71.3	Limit: 57-134	% Rec	1		03/19/25 0000	03/19/25 1917	CSM
Surrogate: Dibromofluoromethane	71.3	Limit: 75-136	% Rec	1	S2	03/19/25 0000	03/19/25 1917	CSM
Surrogate: 1,2-Dichloroethane-d4	70.3	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 1917	CSM
Surrogate: 1,2-Dichloroethane-d4	70.3	Limit: 61-142	% Rec	1		03/19/25 0000	03/19/25 1917	CSM
Surrogate: Toluene-d8	104	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 1917	CSM
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec	1		03/19/25 0000	03/19/25 1917	CSM
Surrogate: 4-Bromofluorobenzene	91.3	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 1917	CSM
Surrogate: 4-Bromofluorobenzene	91.3	Limit: 80-116	% Rec	1		03/19/25 0000	03/19/25 1917	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		03/14/25 1555	03/20/25 0005	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0005	KKJ
Barium, total	0.150	0.0040	mg/L	4		03/14/25 1555	03/20/25 0005	KKJ
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0005	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/20/25 0005	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/20/25 0005	KKJ
Cobalt, total	0.0006	0.0004	mg/L	4		03/14/25 1555	03/20/25 0005	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0005	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0005	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0005	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0005	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0005	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/20/25 0005	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0005	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0005	KKJ

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID: MW-48 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1IC0851-10

Collected By: Whipple, Todd
Collection Date: 03/12/2025 14:45

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	03/19/25 1939	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Acetone	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Chloroform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Benzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Toluene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Styrene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Bromoform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-48 (B)
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-10

Collected By: Whipple, Todd
Collection Date: 03/12/2025 14:45

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		03/19/25 0000	03/19/25 1939	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 1939	CSM
Surrogate: Dibromofluoromethane	73.5	Limit: 57-134	% Rec	1		03/19/25 0000	03/19/25 1939	CSM
Surrogate: Dibromofluoromethane	73.5	Limit: 75-136	% Rec	1	S2	03/19/25 0000	03/19/25 1939	CSM
Surrogate: 1,2-Dichloroethane-d4	71.2	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 1939	CSM
Surrogate: 1,2-Dichloroethane-d4	71.2	Limit: 61-142	% Rec	1		03/19/25 0000	03/19/25 1939	CSM
Surrogate: Toluene-d8	103	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 1939	CSM
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec	1		03/19/25 0000	03/19/25 1939	CSM
Surrogate: 4-Bromofluorobenzene	91.9	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 1939	CSM
Surrogate: 4-Bromofluorobenzene	91.9	Limit: 80-116	% Rec	1		03/19/25 0000	03/19/25 1939	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		03/14/25 1555	03/20/25 0023	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0023	KKJ
Barium, total	0.153	0.0040	mg/L	4		03/14/25 1555	03/20/25 0023	KKJ
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0023	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/20/25 0023	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/20/25 0023	KKJ
Cobalt, total	<0.0004	0.0004	mg/L	4		03/14/25 1555	03/20/25 0023	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0023	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0023	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0023	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0023	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0023	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/20/25 0023	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0023	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0023	KKJ

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-39 (B)
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-11

Collected By: Whipple, Todd
Collection Date: 03/12/2025 12:33

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	03/19/25 2002	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Acetone	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Chloroform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Benzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Toluene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Styrene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Bromoform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-39 (B)
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-11

Collected By: Whipple, Todd
Collection Date: 03/12/2025 12:33

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		03/19/25 0000	03/19/25 2002	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2002	CSM
Surrogate: Dibromofluoromethane	71.0	Limit: 57-134	% Rec	1		03/19/25 0000	03/19/25 2002	CSM
Surrogate: Dibromofluoromethane	71.0	Limit: 75-136	% Rec	1	S2	03/19/25 0000	03/19/25 2002	CSM
Surrogate: 1,2-Dichloroethane-d4	69.3	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 2002	CSM
Surrogate: 1,2-Dichloroethane-d4	69.3	Limit: 61-142	% Rec	1		03/19/25 0000	03/19/25 2002	CSM
Surrogate: Toluene-d8	105	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 2002	CSM
Surrogate: Toluene-d8	105	Limit: 82-121	% Rec	1		03/19/25 0000	03/19/25 2002	CSM
Surrogate: 4-Bromofluorobenzene	91.3	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 2002	CSM
Surrogate: 4-Bromofluorobenzene	91.3	Limit: 80-116	% Rec	1		03/19/25 0000	03/19/25 2002	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		03/14/25 1555	03/20/25 0029	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0029	KKJ
Barium, total	0.135	0.0040	mg/L	4		03/14/25 1555	03/20/25 0029	KKJ
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0029	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/20/25 0029	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/20/25 0029	KKJ
Cobalt, total	<0.0004	0.0004	mg/L	4		03/14/25 1555	03/20/25 0029	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0029	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0029	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0029	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0029	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0029	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/20/25 0029	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0029	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0029	KKJ

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-78 (B)
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-12

Collected By: Whipple, Todd
Collection Date: 03/12/2025 11:51

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	03/19/25 2024	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Acetone	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Chloroform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Benzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Toluene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Styrene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Bromoform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-78 (B)
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-12

Collected By: Whipple, Todd
Collection Date: 03/12/2025 11:51

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		03/19/25 0000	03/19/25 2024	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2024	CSM
Surrogate: Dibromofluoromethane	68.4	Limit: 75-136	% Rec	1	S2	03/19/25 0000	03/19/25 2024	CSM
Surrogate: Dibromofluoromethane	68.4	Limit: 57-134	% Rec	1		03/19/25 0000	03/19/25 2024	CSM
Surrogate: 1,2-Dichloroethane-d4	67.6	Limit: 61-142	% Rec	1		03/19/25 0000	03/19/25 2024	CSM
Surrogate: 1,2-Dichloroethane-d4	67.6	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 2024	CSM
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec	1		03/19/25 0000	03/19/25 2024	CSM
Surrogate: Toluene-d8	104	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 2024	CSM
Surrogate: 4-Bromofluorobenzene	89.8	Limit: 80-116	% Rec	1		03/19/25 0000	03/19/25 2024	CSM
Surrogate: 4-Bromofluorobenzene	89.8	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 2024	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		03/14/25 1555	03/20/25 0036	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0036	KKJ
Barium, total	0.283	0.0040	mg/L	4		03/14/25 1555	03/20/25 0036	KKJ
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0036	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/20/25 0036	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/20/25 0036	KKJ
Cobalt, total	<0.0004	0.0004	mg/L	4		03/14/25 1555	03/20/25 0036	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0036	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0036	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0036	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0036	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0036	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/20/25 0036	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0036	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0036	KKJ

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID: MW-62R
Sample Matrix: Aqueous
Lab Sample ID: 1IC0851-13

Collected By: Whipple, Todd
Collection Date: 03/12/2025 12:04

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Dichlorodifluoromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Chloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Acrolein	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 2046	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Acetone	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Methyl Iodide	<2.0	2.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Acetonitrile	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2046	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
2,2-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
2-Butanone (MEK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Chloroform	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
1,1-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Benzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Toluene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Ethyl Methacrylate	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
1,3-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID: MW-62R
Sample Matrix: Aqueous
Lab Sample ID: 1IC0851-13

Collected By: Whipple, Todd
Collection Date: 03/12/2025 12:04

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Chlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Styrene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Bromoform	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1904	CSM
Allyl chloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1907	RAF
Chloroprene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1907	RAF
Methacrylonitrile	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1907	RAF
Methyl Methacrylate	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1907	RAF
Propionitrile	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1907	RAF
Surrogate: Dibromofluoromethane	94.9	Limit: 57-134	% Rec	1		03/24/25 0000	03/24/25 1904	CSM
Surrogate: Dibromofluoromethane	111	Limit: 57-134	% Rec	1		03/24/25 0000	03/24/25 1907	RAF
Surrogate: 1,2-Dichloroethane-d4	92.4	Limit: 53-140	% Rec	1		03/24/25 0000	03/24/25 1904	CSM
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 53-140	% Rec	1		03/24/25 0000	03/24/25 1907	RAF
Surrogate: 1,2-Dichloroethane-d4	67.5	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 2046	CSM
Surrogate: Toluene-d8	95.5	Limit: 86-114	% Rec	1		03/24/25 0000	03/24/25 1904	CSM
Surrogate: Toluene-d8	98.6	Limit: 86-114	% Rec	1		03/24/25 0000	03/24/25 1907	RAF
Surrogate: Toluene-d8	103	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 2046	CSM
Surrogate: 4-Bromofluorobenzene	93.5	Limit: 78-121	% Rec	1		03/24/25 0000	03/24/25 1904	CSM
Surrogate: 4-Bromofluorobenzene	95.9	Limit: 78-121	% Rec	1		03/24/25 0000	03/24/25 1907	RAF
Surrogate: 4-Bromofluorobenzene	91.5	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 2046	CSM

Determination of General Solvents	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8015C								
Isobutanol	<1.0	1.0	mg/L	1		03/21/25 1147	03/23/25 0310	PDS

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3520C/EPA 8270C								
N-Nitrosodimethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Methyl Methanesulfonate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
N-Nitrosodiethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
N-Nitrosomethylethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Ethyl Methanesulfonate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Phenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP



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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-62R
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-13

Collected By: Whipple, Todd
Collection Date: 03/12/2025 12:04

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Bis(2-Chloroethyl) Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
2-Chlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Benzyl Alcohol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
N-Nitrosopyrrolidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Acetophenone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
o-Toluidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
(3 & 4)-Methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Hexachloroethane	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Nitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
N-Nitrosopiperidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Isophorone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
2-Nitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
2,4-Dimethylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
2,4-Dichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Naphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
4-Chloroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
2,6-Dichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Hexachloropropene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Hexachlorobutadiene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
1,4-Phenylenediamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
4-Chloro-3-methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
2-Methylnaphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Isosafrole	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Hexachlorocyclopentadiene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
2,4,6-Trichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
2,4,5-Trichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Safrole	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
2-Chloronaphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
2-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
1,4-Naphthoquinone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Dimethylphthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
1,3-Dinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
1,2-Dinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
2,6-Dinitrotoluene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Acenaphthylene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
3-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Acenaphthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-62R
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-13

Collected By: Whipple, Todd
Collection Date: 03/12/2025 12:04

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
4-Nitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Dibenzofuran	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
2,4-Dinitrotoluene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Pentachlorobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
1-Naphthylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
2-Naphthylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Diethyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Fluorene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
4-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
5-Nitro-o-toluidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
N-Nitrosodiphenylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Diphenylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Azobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Diallate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Phenacetin	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
4-Aminobiphenyl	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Pentachlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Pronamide	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Phenanthrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Di-n-butyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Methapyrilene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Isodrin	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Chlorobenzilate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
3,3-Dimethylbenzidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Butyl Benzyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Benzo(a)anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Chrysene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Kepone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
2-Acetylaminofluorene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Di-n-octyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-62R
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-13

Collected By: Whipple, Todd
Collection Date: 03/12/2025 12:04

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Benzo(b)Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Benzo(k)Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Benzo(a)Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
3-Methylcholanthrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Benzo(g,h,i)perylene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2157	EPP
Surrogate: 2-Fluorophenol	68.2	Limit: 10-149	% Rec	1		03/19/25 1349	03/24/25 2157	EPP
Surrogate: Phenol-d6	72.0	Limit: 10-143	% Rec	1		03/19/25 1349	03/24/25 2157	EPP
Surrogate: Nitrobenzene-d5	72.2	Limit: 20-149	% Rec	1		03/19/25 1349	03/24/25 2157	EPP
Surrogate: 2-Fluorobiphenyl	76.4	Limit: 11-146	% Rec	1		03/19/25 1349	03/24/25 2157	EPP
Surrogate: 2,4,6-Tribromophenol	91.2	Limit: 10-153	% Rec	1		03/19/25 1349	03/24/25 2157	EPP
Surrogate: Terphenyl-dl4	84.7	Limit: 27-155	% Rec	1		03/19/25 1349	03/24/25 2157	EPP

Determination of Organophosphorus Insecticides	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8141								
O,O,O-Triethyl phosphorothioate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1949	EPP
Thionazin	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1949	EPP
Phorate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1949	EPP
Dimethoate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1949	EPP
Disulfoton	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1949	EPP
Methyl Parathion	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1949	EPP
Parathion	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1949	EPP
Famphur	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 1949	EPP
Surrogate: 2-Nitro-m-xylene	60.7	Limit: 15-154	% Rec	1		03/17/25 1427	03/24/25 1949	EPP

Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8151A								
2,4-D	<2.0	2.0	ug/L	1		03/14/25 1557	03/21/25 2002	EPP
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2002	EPP
2,4,5-T	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2002	EPP
Dinoseb	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2002	EPP
Surrogate: 2,5-Dichlorobenzoic Acid	106	Limit: 36-159	% Rec	1		03/14/25 1557	03/21/25 2002	EPP

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8081								
Alpha-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
Beta-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
Heptachlor	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-62R
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-13

Collected By: Whipple, Todd
Collection Date: 03/12/2025 12:04

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Delta-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
Aldrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
Endosulfan I	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
4,4'-DDE	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
Dieldrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
Endrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
4,4'-DDD	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
Endosulfan II	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
4,4'-DDT	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
Endrin Aldehyde	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
Methoxychlor	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
Chlordane	<0.10	0.10	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
Toxaphene	<0.20	0.20	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
Hexachlorobenzene	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1341	EPP
Surrogate: Tetrachloro-m-xylene	77.8	Limit: 40-116	% Rec	1		03/17/25 1421	03/21/25 1341	EPP

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8082								
Arochlor 1016	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1341	EPP
Arochlor 1221	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1341	EPP
Arochlor 1232	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1341	EPP
Arochlor 1242	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1341	EPP
Arochlor 1248	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1341	EPP
Arochlor 1254	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1341	EPP
Arochlor 1260	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1341	EPP
Surrogate: Tetrachloro-m-xylene	77.8	Limit: 37-120	% Rec	1		03/17/25 1424	03/21/25 1341	EPP
Surrogate: Decachlorobiphenyl	81.9	Limit: 22-116	% Rec	1		03/17/25 1424	03/21/25 1341	EPP

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			03/17/25 0928	AKK
EPA 9014								
Cyanide, total	<0.010	0.010	mg/L	1		03/20/25 0716	03/21/25 0908	CES

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		03/14/25 1555	03/20/25 0042	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0042	KKJ
Barium, total	0.946	0.0040	mg/L	4		03/14/25 1555	03/20/25 0042	KKJ

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID:	MW-62R	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/12/2025 12:04
Lab Sample ID:	1IC0851-13		

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0042	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/20/25 0042	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/20/25 0042	KKJ
Cobalt, total	<0.0004	0.0004	mg/L	4		03/14/25 1555	03/20/25 0042	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0042	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0042	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0042	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0042	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0042	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/20/25 0042	KKJ
Tin, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0042	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0042	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0042	KKJ
EPA 7470A								
Mercury, total	<0.00050	0.00050	mg/L	1		03/20/25 1536	03/21/25 1508	JAR

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-79
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-14

Collected By: Whipple, Todd
Collection Date: 03/12/2025 11:37

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	03/19/25 2109	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Acetone	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Chloroform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Benzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Toluene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Styrene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Bromoform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-79
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-14

Collected By: Whipple, Todd
Collection Date: 03/12/2025 11:37

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		03/19/25 0000	03/19/25 2109	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2109	CSM
Surrogate: Dibromofluoromethane	69.0	Limit: 75-136	% Rec	1	S2	03/19/25 0000	03/19/25 2109	CSM
Surrogate: Dibromofluoromethane	69.0	Limit: 57-134	% Rec	1		03/19/25 0000	03/19/25 2109	CSM
Surrogate: 1,2-Dichloroethane-d4	66.7	Limit: 61-142	% Rec	1		03/19/25 0000	03/19/25 2109	CSM
Surrogate: 1,2-Dichloroethane-d4	66.7	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 2109	CSM
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec	1		03/19/25 0000	03/19/25 2109	CSM
Surrogate: Toluene-d8	104	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 2109	CSM
Surrogate: 4-Bromofluorobenzene	91.7	Limit: 80-116	% Rec	1		03/19/25 0000	03/19/25 2109	CSM
Surrogate: 4-Bromofluorobenzene	91.7	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 2109	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		03/14/25 1555	03/20/25 0048	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0048	KKJ
Barium, total	0.0549	0.0040	mg/L	4		03/14/25 1555	03/20/25 0048	KKJ
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0048	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/20/25 0048	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/20/25 0048	KKJ
Cobalt, total	<0.0004	0.0004	mg/L	4		03/14/25 1555	03/20/25 0048	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0048	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0048	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0048	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0048	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0048	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/20/25 0048	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0048	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0048	KKJ

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID: MW-80
Sample Matrix: Aqueous
Lab Sample ID: 1IC0851-15

Collected By: Whipple, Todd
Collection Date: 03/12/2025 1:13

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Dichlorodifluoromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Chloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Acrolein	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 2131	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Acetone	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Methyl Iodide	<2.0	2.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Acetonitrile	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2131	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
2,2-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
2-Butanone (MEK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Chloroform	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
1,1-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Benzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Toluene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Ethyl Methacrylate	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
1,3-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-80
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-15

Collected By: Whipple, Todd
Collection Date: 03/12/2025 1:13

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Chlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Styrene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Bromoform	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1927	CSM
Allyl chloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1930	RAF
Chloroprene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1930	RAF
Methacrylonitrile	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1930	RAF
Methyl Methacrylate	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1930	RAF
Propionitrile	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1930	RAF
Surrogate: Dibromofluoromethane	93.3	Limit: 57-134	% Rec	1		03/24/25 0000	03/24/25 1927	CSM
Surrogate: Dibromofluoromethane	108	Limit: 57-134	% Rec	1		03/24/25 0000	03/24/25 1930	RAF
Surrogate: 1,2-Dichloroethane-d4	91.6	Limit: 53-140	% Rec	1		03/24/25 0000	03/24/25 1927	CSM
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 53-140	% Rec	1		03/24/25 0000	03/24/25 1930	RAF
Surrogate: 1,2-Dichloroethane-d4	67.3	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 2131	CSM
Surrogate: Toluene-d8	96.5	Limit: 86-114	% Rec	1		03/24/25 0000	03/24/25 1927	CSM
Surrogate: Toluene-d8	97.6	Limit: 86-114	% Rec	1		03/24/25 0000	03/24/25 1930	RAF
Surrogate: Toluene-d8	102	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 2131	CSM
Surrogate: 4-Bromofluorobenzene	91.6	Limit: 78-121	% Rec	1		03/24/25 0000	03/24/25 1927	CSM
Surrogate: 4-Bromofluorobenzene	99.5	Limit: 78-121	% Rec	1		03/24/25 0000	03/24/25 1930	RAF
Surrogate: 4-Bromofluorobenzene	92.7	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 2131	CSM

Determination of General Solvents	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8015C								
Isobutanol	<1.0	1.0	mg/L	1		03/21/25 1147	03/23/25 0348	PDS

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3520C/EPA 8270C								
N-Nitrosodimethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Methyl Methanesulfonate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
N-Nitrosodiethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
N-Nitrosomethylethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Ethyl Methanesulfonate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Phenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP



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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-80
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-15

Collected By: Whipple, Todd
Collection Date: 03/12/2025 1:13

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Bis(2-Chloroethyl) Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
2-Chlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Benzyl Alcohol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
N-Nitrosopyrrolidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Acetophenone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
o-Toluidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
(3 & 4)-Methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Hexachloroethane	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Nitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
N-Nitrosopiperidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Isophorone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
2-Nitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
2,4-Dimethylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
2,4-Dichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Naphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
4-Chloroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
2,6-Dichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Hexachloropropene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Hexachlorobutadiene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
1,4-Phenylenediamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
4-Chloro-3-methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
2-Methylnaphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Isosafrole	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Hexachlorocyclopentadiene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
2,4,6-Trichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
2,4,5-Trichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Safrole	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
2-Chloronaphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
2-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
1,4-Naphthoquinone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Dimethylphthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
1,3-Dinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
1,2-Dinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
2,6-Dinitrotoluene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Acenaphthylene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
3-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Acenaphthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-80
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-15

Collected By: Whipple, Todd
Collection Date: 03/12/2025 1:13

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
4-Nitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Dibenzofuran	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
2,4-Dinitrotoluene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Pentachlorobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
1-Naphthylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
2-Naphthylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Diethyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Fluorene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
4-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
5-Nitro-o-toluidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
N-Nitrosodiphenylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Diphenylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Azobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Diallate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Phenacetin	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
4-Aminobiphenyl	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Pentachlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Pronamide	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Phenanthrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Di-n-butyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Methapyrilene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Isodrin	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Chlorobenzilate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
3,3-Dimethylbenzidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Butyl Benzyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Benzo(a)anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Chrysene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Kepone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
2-Acetylaminofluorene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Di-n-octyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-80
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-15

Collected By: Whipple, Todd
Collection Date: 03/12/2025 1:13

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Benzo(b)Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Benzo(k)Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Benzo(a)Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
3-Methylcholanthrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Benzo(g,h,i)perylene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2222	EPP
Surrogate: 2-Fluorophenol	55.8	Limit: 10-149	% Rec	1		03/19/25 1349	03/24/25 2222	EPP
Surrogate: Phenol-d6	47.6	Limit: 10-143	% Rec	1		03/19/25 1349	03/24/25 2222	EPP
Surrogate: Nitrobenzene-d5	67.7	Limit: 20-149	% Rec	1		03/19/25 1349	03/24/25 2222	EPP
Surrogate: 2-Fluorobiphenyl	75.4	Limit: 11-146	% Rec	1		03/19/25 1349	03/24/25 2222	EPP
Surrogate: 2,4,6-Tribromophenol	68.4	Limit: 10-153	% Rec	1		03/19/25 1349	03/24/25 2222	EPP
Surrogate: Terphenyl-dl4	85.7	Limit: 27-155	% Rec	1		03/19/25 1349	03/24/25 2222	EPP
Determination of Organophosphorus Insecticides	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8141								
O,O,O-Triethyl phosphorothioate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2031	EPP
Thionazin	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2031	EPP
Phorate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2031	EPP
Dimethoate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2031	EPP
Disulfoton	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2031	EPP
Methyl Parathion	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2031	EPP
Parathion	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2031	EPP
Famphur	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2031	EPP
Surrogate: 2-Nitro-m-xylene	65.0	Limit: 15-154	% Rec	1		03/17/25 1427	03/24/25 2031	EPP
Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8151A								
2,4-D	<2.0	2.0	ug/L	1		03/14/25 1557	03/21/25 2034	EPP
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2034	EPP
2,4,5-T	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2034	EPP
Dinoseb	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2034	EPP
Surrogate: 2,5-Dichlorobenzoic Acid	156	Limit: 36-159	% Rec	1		03/14/25 1557	03/21/25 2034	EPP
Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8081								
Alpha-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
Beta-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
Heptachlor	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-80
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-15

Collected By: Whipple, Todd
Collection Date: 03/12/2025 1:13

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Delta-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
Aldrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
Endosulfan I	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
4,4'-DDE	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
Dieldrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
Endrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
4,4'-DDD	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
Endosulfan II	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
4,4'-DDT	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
Endrin Aldehyde	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
Methoxychlor	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
Chlordane	<0.10	0.10	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
Toxaphene	<0.20	0.20	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
Hexachlorobenzene	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1355	EPP
Surrogate: Tetrachloro-m-xylene	76.9	Limit: 40-116	% Rec	1		03/17/25 1421	03/21/25 1355	EPP

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8082								
Arochlor 1016	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1355	EPP
Arochlor 1221	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1355	EPP
Arochlor 1232	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1355	EPP
Arochlor 1242	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1355	EPP
Arochlor 1248	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1355	EPP
Arochlor 1254	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1355	EPP
Arochlor 1260	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1355	EPP
Surrogate: Tetrachloro-m-xylene	76.9	Limit: 37-120	% Rec	1		03/17/25 1424	03/21/25 1355	EPP
Surrogate: Decachlorobiphenyl	94.9	Limit: 22-116	% Rec	1		03/17/25 1424	03/21/25 1355	EPP

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			03/17/25 0928	AKK
EPA 9014								
Cyanide, total	<0.010	0.010	mg/L	1		03/20/25 0716	03/21/25 0908	CES

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		03/14/25 1555	03/20/25 0054	KKJ
Arsenic, total	0.0046	0.0040	mg/L	4		03/14/25 1555	03/20/25 0054	KKJ
Barium, total	0.127	0.0040	mg/L	4		03/14/25 1555	03/20/25 0054	KKJ

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID:	MW-80	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/12/2025 1:13
Lab Sample ID:	1IC0851-15		

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0054	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/20/25 0054	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/20/25 0054	KKJ
Cobalt, total	0.0018	0.0004	mg/L	4		03/14/25 1555	03/20/25 0054	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0054	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0054	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0054	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0054	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0054	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/20/25 0054	KKJ
Tin, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0054	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0054	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0054	KKJ
EPA 7470A								
Mercury, total	<0.00050	0.00050	mg/L	1		03/20/25 1536	03/21/25 1510	JAR

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-36
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-16

Collected By: Whipple, Todd
Collection Date: 03/12/2025 12:47

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	03/19/25 2153	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Acetone	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Chloroform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Benzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Toluene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Styrene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Bromoform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-36
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-16

Collected By: Whipple, Todd
Collection Date: 03/12/2025 12:47

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		03/19/25 0000	03/19/25 2153	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2153	CSM
Surrogate: Dibromofluoromethane	64.9	Limit: 57-134	% Rec	1		03/19/25 0000	03/19/25 2153	CSM
Surrogate: Dibromofluoromethane	64.9	Limit: 75-136	% Rec	1	S2	03/19/25 0000	03/19/25 2153	CSM
Surrogate: 1,2-Dichloroethane-d4	62.4	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 2153	CSM
Surrogate: 1,2-Dichloroethane-d4	62.4	Limit: 61-142	% Rec	1		03/19/25 0000	03/19/25 2153	CSM
Surrogate: Toluene-d8	107	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 2153	CSM
Surrogate: Toluene-d8	107	Limit: 82-121	% Rec	1		03/19/25 0000	03/19/25 2153	CSM
Surrogate: 4-Bromofluorobenzene	89.2	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 2153	CSM
Surrogate: 4-Bromofluorobenzene	89.2	Limit: 80-116	% Rec	1		03/19/25 0000	03/19/25 2153	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		03/14/25 1555	03/20/25 0100	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0100	KKJ
Barium, total	0.0763	0.0040	mg/L	4		03/14/25 1555	03/20/25 0100	KKJ
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0100	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/20/25 0100	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/20/25 0100	KKJ
Cobalt, total	<0.0004	0.0004	mg/L	4		03/14/25 1555	03/20/25 0100	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0100	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0100	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0100	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0100	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0100	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/20/25 0100	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0100	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0100	KKJ

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID: MW-41
Sample Matrix: Aqueous
Lab Sample ID: 1IC0851-17

Collected By: Whipple, Todd
Collection Date: 03/12/2025 9:03

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Dichlorodifluoromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Chloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Acrolein	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 2216	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Acetone	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Methyl Iodide	<2.0	2.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Acetonitrile	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2216	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
1,1-Dichloroethane	19.5	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
2,2-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
cis-1,2-Dichloroethylene	3.3	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
2-Butanone (MEK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Chloroform	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
1,1-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Benzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Toluene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Ethyl Methacrylate	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
1,3-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-41
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-17

Collected By: Whipple, Todd
Collection Date: 03/12/2025 9:03

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Chlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Styrene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Bromoform	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1949	CSM
Allyl chloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1953	RAF
Chloroprene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1953	RAF
Methacrylonitrile	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1953	RAF
Methyl Methacrylate	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 1953	RAF
Propionitrile	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 1953	RAF
Surrogate: Dibromofluoromethane	94.6	Limit: 57-134	% Rec	1		03/24/25 0000	03/24/25 1949	CSM
Surrogate: Dibromofluoromethane	105	Limit: 57-134	% Rec	1		03/24/25 0000	03/24/25 1953	RAF
Surrogate: 1,2-Dichloroethane-d4	105	Limit: 53-140	% Rec	1		03/24/25 0000	03/24/25 1953	RAF
Surrogate: 1,2-Dichloroethane-d4	91.5	Limit: 53-140	% Rec	1		03/24/25 0000	03/24/25 1949	CSM
Surrogate: 1,2-Dichloroethane-d4	65.4	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 2216	CSM
Surrogate: Toluene-d8	98.6	Limit: 86-114	% Rec	1		03/24/25 0000	03/24/25 1949	CSM
Surrogate: Toluene-d8	98.0	Limit: 86-114	% Rec	1		03/24/25 0000	03/24/25 1953	RAF
Surrogate: Toluene-d8	102	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 2216	CSM
Surrogate: 4-Bromofluorobenzene	99.6	Limit: 78-121	% Rec	1		03/24/25 0000	03/24/25 1953	RAF
Surrogate: 4-Bromofluorobenzene	96.5	Limit: 78-121	% Rec	1		03/24/25 0000	03/24/25 1949	CSM
Surrogate: 4-Bromofluorobenzene	89.6	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 2216	CSM

Determination of General Solvents	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8015C								
Isobutanol	<1.0	1.0	mg/L	1		03/21/25 1147	03/23/25 0426	PDS

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3520C/EPA 8270C								
N-Nitrosodimethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Methyl Methanesulfonate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
N-Nitrosodiethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
N-Nitrosomethylethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Ethyl Methanesulfonate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Phenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP



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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-41
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-17

Collected By: Whipple, Todd
Collection Date: 03/12/2025 9:03

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Bis(2-Chloroethyl) Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
2-Chlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Benzyl Alcohol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
N-Nitrosopyrrolidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Acetophenone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
o-Toluidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
(3 & 4)-Methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Hexachloroethane	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Nitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
N-Nitrosopiperidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Isophorone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
2-Nitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
2,4-Dimethylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
2,4-Dichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Naphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
4-Chloroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
2,6-Dichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Hexachloropropene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Hexachlorobutadiene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
1,4-Phenylenediamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
4-Chloro-3-methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
2-Methylnaphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Isosafrole	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Hexachlorocyclopentadiene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
2,4,6-Trichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
2,4,5-Trichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Safrole	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
2-Chloronaphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
2-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
1,4-Naphthoquinone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Dimethylphthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
1,3-Dinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
1,2-Dinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
2,6-Dinitrotoluene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Acenaphthylene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
3-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Acenaphthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-41
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-17

Collected By: Whipple, Todd
Collection Date: 03/12/2025 9:03

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
4-Nitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Dibenzofuran	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
2,4-Dinitrotoluene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Pentachlorobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
1-Naphthylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
2-Naphthylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Diethyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Fluorene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
4-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
5-Nitro-o-toluidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
N-Nitrosodiphenylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Diphenylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Azobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Diallate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Phenacetin	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
4-Aminobiphenyl	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Pentachlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Pronamide	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Phenanthrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Di-n-butyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Methapyrilene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Isodrin	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Chlorobenzilate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
3,3-Dimethylbenzidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Butyl Benzyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Benzo(a)anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Chrysene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Kepone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
2-Acetylaminofluorene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Di-n-octyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-41
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-17

Collected By: Whipple, Todd
Collection Date: 03/12/2025 9:03

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Benzo(b)Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Benzo(k)Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Benzo(a)Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
3-Methylcholanthrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Benzo(g,h,i)perylene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2246	EPP
Surrogate: 2-Fluorophenol	59.4	Limit: 10-149	% Rec	1		03/19/25 1349	03/24/25 2246	EPP
Surrogate: Phenol-d6	61.9	Limit: 10-143	% Rec	1		03/19/25 1349	03/24/25 2246	EPP
Surrogate: Nitrobenzene-d5	66.5	Limit: 20-149	% Rec	1		03/19/25 1349	03/24/25 2246	EPP
Surrogate: 2-Fluorobiphenyl	70.3	Limit: 11-146	% Rec	1		03/19/25 1349	03/24/25 2246	EPP
Surrogate: 2,4,6-Tribromophenol	86.4	Limit: 10-153	% Rec	1		03/19/25 1349	03/24/25 2246	EPP
Surrogate: Terphenyl-dl4	85.0	Limit: 27-155	% Rec	1		03/19/25 1349	03/24/25 2246	EPP

Determination of Organophosphorus Insecticides	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8141								
O,O,O-Triethyl phosphorothioate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2113	EPP
Thionazin	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2113	EPP
Phorate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2113	EPP
Dimethoate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2113	EPP
Disulfoton	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2113	EPP
Methyl Parathion	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2113	EPP
Parathion	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2113	EPP
Famphur	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2113	EPP
Surrogate: 2-Nitro-m-xylene	59.7	Limit: 15-154	% Rec	1		03/17/25 1427	03/24/25 2113	EPP

Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8151A								
2,4-D	<2.0	2.0	ug/L	1		03/14/25 1557	03/21/25 2106	EPP
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2106	EPP
2,4,5-T	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2106	EPP
Dinoseb	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2106	EPP
Surrogate: 2,5-Dichlorobenzoic Acid	141	Limit: 36-159	% Rec	1		03/14/25 1557	03/21/25 2106	EPP

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8081								
Alpha-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
Beta-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
Heptachlor	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-41
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-17

Collected By: Whipple, Todd
Collection Date: 03/12/2025 9:03

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Delta-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
Aldrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
Endosulfan I	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
4,4'-DDE	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
Dieldrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
Endrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
4,4'-DDD	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
Endosulfan II	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
4,4'-DDT	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
Endrin Aldehyde	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
Methoxychlor	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
Chlordane	<0.10	0.10	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
Toxaphene	<0.20	0.20	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
Hexachlorobenzene	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1409	EPP
Surrogate: Tetrachloro-m-xylene	71.8	Limit: 40-116	% Rec	1		03/17/25 1421	03/21/25 1409	EPP

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8082								
Arochlor 1016	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1409	EPP
Arochlor 1221	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1409	EPP
Arochlor 1232	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1409	EPP
Arochlor 1242	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1409	EPP
Arochlor 1248	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1409	EPP
Arochlor 1254	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1409	EPP
Arochlor 1260	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1409	EPP
Surrogate: Tetrachloro-m-xylene	71.8	Limit: 37-120	% Rec	1		03/17/25 1424	03/21/25 1409	EPP
Surrogate: Decachlorobiphenyl	92.2	Limit: 22-116	% Rec	1		03/17/25 1424	03/21/25 1409	EPP

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			03/17/25 0928	AKK
EPA 9014								
Cyanide, total	<0.010	0.010	mg/L	1		03/20/25 0716	03/21/25 0908	CES

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		03/14/25 1555	03/20/25 0106	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0106	KKJ
Barium, total	0.0731	0.0040	mg/L	4		03/14/25 1555	03/20/25 0106	KKJ

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID:	MW-41	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/12/2025 9:03
Lab Sample ID:	1IC0851-17		

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0106	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/20/25 0106	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/20/25 0106	KKJ
Cobalt, total	<0.0004	0.0004	mg/L	4		03/14/25 1555	03/20/25 0106	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0106	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0106	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0106	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0106	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0106	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/20/25 0106	KKJ
Tin, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0106	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0106	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0106	KKJ
EPA 7470A								
Mercury, total	<0.00050	0.00050	mg/L	1		03/20/25 1536	03/21/25 1517	JAR

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID: MW-42
Sample Matrix: Aqueous
Lab Sample ID: 1IC0851-18

Collected By: Whipple, Todd
Collection Date: 03/12/2025 9:42

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	03/19/25 2238	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Acetone	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Chloroform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Benzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Toluene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Styrene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Bromoform	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-42
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-18

Collected By: Whipple, Todd
Collection Date: 03/12/2025 9:42

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		03/19/25 0000	03/19/25 2238	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2238	CSM
Surrogate: Dibromofluoromethane	68.7	Limit: 57-134	% Rec	1		03/19/25 0000	03/19/25 2238	CSM
Surrogate: Dibromofluoromethane	68.7	Limit: 75-136	% Rec	1	S2	03/19/25 0000	03/19/25 2238	CSM
Surrogate: 1,2-Dichloroethane-d4	65.1	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 2238	CSM
Surrogate: 1,2-Dichloroethane-d4	65.1	Limit: 61-142	% Rec	1		03/19/25 0000	03/19/25 2238	CSM
Surrogate: Toluene-d8	103	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 2238	CSM
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec	1		03/19/25 0000	03/19/25 2238	CSM
Surrogate: 4-Bromofluorobenzene	91.1	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 2238	CSM
Surrogate: 4-Bromofluorobenzene	91.1	Limit: 80-116	% Rec	1		03/19/25 0000	03/19/25 2238	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		03/14/25 1555	03/20/25 0113	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0113	KKJ
Barium, total	0.0181	0.0040	mg/L	4		03/14/25 1555	03/20/25 0113	KKJ
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0113	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/20/25 0113	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/20/25 0113	KKJ
Cobalt, total	<0.0004	0.0004	mg/L	4		03/14/25 1555	03/20/25 0113	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0113	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0113	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0113	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0113	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0113	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/20/25 0113	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0113	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0113	KKJ

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID: MW-58
Sample Matrix: Aqueous
Lab Sample ID: 1IC0851-19

Collected By: Whipple, Todd
Collection Date: 03/12/2025 10:00

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Dichlorodifluoromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Chloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Acrolein	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 2300	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Acetone	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Methyl Iodide	<2.0	2.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Acetonitrile	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2300	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
2,2-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
2-Butanone (MEK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Chloroform	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
1,1-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Benzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Toluene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Ethyl Methacrylate	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
1,3-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-58
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-19

Collected By: Whipple, Todd
Collection Date: 03/12/2025 10:00

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Chlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Styrene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Bromoform	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2011	CSM
Allyl chloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2016	RAF
Chloroprene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2016	RAF
Methacrylonitrile	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2016	RAF
Methyl Methacrylate	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2016	RAF
Propionitrile	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 2016	RAF
Surrogate: Dibromofluoromethane	110	Limit: 57-134	% Rec	1		03/24/25 0000	03/24/25 2016	RAF
Surrogate: Dibromofluoromethane	94.3	Limit: 57-134	% Rec	1		03/24/25 0000	03/24/25 2011	CSM
Surrogate: 1,2-Dichloroethane-d4	105	Limit: 53-140	% Rec	1		03/24/25 0000	03/24/25 2016	RAF
Surrogate: 1,2-Dichloroethane-d4	64.7	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 2300	CSM
Surrogate: 1,2-Dichloroethane-d4	88.5	Limit: 53-140	% Rec	1		03/24/25 0000	03/24/25 2011	CSM
Surrogate: Toluene-d8	105	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 2300	CSM
Surrogate: Toluene-d8	97.2	Limit: 86-114	% Rec	1		03/24/25 0000	03/24/25 2016	RAF
Surrogate: Toluene-d8	98.9	Limit: 86-114	% Rec	1		03/24/25 0000	03/24/25 2011	CSM
Surrogate: 4-Bromofluorobenzene	97.7	Limit: 78-121	% Rec	1		03/24/25 0000	03/24/25 2016	RAF
Surrogate: 4-Bromofluorobenzene	91.3	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 2300	CSM
Surrogate: 4-Bromofluorobenzene	90.8	Limit: 78-121	% Rec	1		03/24/25 0000	03/24/25 2011	CSM

Determination of General Solvents	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8015C								
Isobutanol	<1.0	1.0	mg/L	1		03/21/25 1147	03/23/25 0504	PDS

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3520C/EPA 8270C								
N-Nitrosodimethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Methyl Methanesulfonate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
N-Nitrosodiethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
N-Nitrosomethylethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Ethyl Methanesulfonate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Phenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP



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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-58
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-19

Collected By: Whipple, Todd
Collection Date: 03/12/2025 10:00

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Bis(2-Chloroethyl) Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
2-Chlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Benzyl Alcohol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
N-Nitrosopyrrolidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Acetophenone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
o-Toluidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
(3 & 4)-Methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Hexachloroethane	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Nitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
N-Nitrosopiperidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Isophorone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
2-Nitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
2,4-Dimethylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
2,4-Dichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Naphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
4-Chloroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
2,6-Dichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Hexachloropropene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Hexachlorobutadiene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
1,4-Phenylenediamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
4-Chloro-3-methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
2-Methylnaphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Isosafrole	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Hexachlorocyclopentadiene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
2,4,6-Trichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
2,4,5-Trichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Safrole	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
2-Chloronaphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
2-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
1,4-Naphthoquinone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Dimethylphthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
1,3-Dinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
1,2-Dinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
2,6-Dinitrotoluene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Acenaphthylene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
3-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Acenaphthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-58
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-19

Collected By: Whipple, Todd
Collection Date: 03/12/2025 10:00

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
4-Nitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Dibenzofuran	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
2,4-Dinitrotoluene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Pentachlorobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
1-Naphthylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
2-Naphthylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Diethyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Fluorene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
4-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
5-Nitro-o-toluidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
N-Nitrosodiphenylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Diphenylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Azobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Diallate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Phenacetin	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
4-Aminobiphenyl	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Pentachlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Pronamide	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Phenanthrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Di-n-butyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Methapyrilene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Isodrin	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Chlorobenzilate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
3,3-Dimethylbenzidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Butyl Benzyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Benzo(a)anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Chrysene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Kepone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
2-Acetylaminofluorene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Di-n-octyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-58
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-19

Collected By: Whipple, Todd
Collection Date: 03/12/2025 10:00

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Benzo(b)Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Benzo(k)Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Benzo(a)Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
3-Methylcholanthrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Benzo(g,h,i)perylene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2311	EPP
Surrogate: 2-Fluorophenol	45.1	Limit: 10-149	% Rec	1		03/19/25 1349	03/24/25 2311	EPP
Surrogate: Phenol-d6	46.6	Limit: 10-143	% Rec	1		03/19/25 1349	03/24/25 2311	EPP
Surrogate: Nitrobenzene-d5	69.6	Limit: 20-149	% Rec	1		03/19/25 1349	03/24/25 2311	EPP
Surrogate: 2-Fluorobiphenyl	72.2	Limit: 11-146	% Rec	1		03/19/25 1349	03/24/25 2311	EPP
Surrogate: 2,4,6-Tribromophenol	45.5	Limit: 10-153	% Rec	1		03/19/25 1349	03/24/25 2311	EPP
Surrogate: Terphenyl-dl4	81.9	Limit: 27-155	% Rec	1		03/19/25 1349	03/24/25 2311	EPP

Determination of Organophosphorus Insecticides	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8141								
O,O,O-Triethyl phosphorothioate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2155	EPP
Thionazin	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2155	EPP
Phorate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2155	EPP
Dimethoate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2155	EPP
Disulfoton	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2155	EPP
Methyl Parathion	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2155	EPP
Parathion	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2155	EPP
Famphur	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2155	EPP
Surrogate: 2-Nitro-m-xylene	67.0	Limit: 15-154	% Rec	1		03/17/25 1427	03/24/25 2155	EPP

Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8151A								
2,4-D	<2.0	2.0	ug/L	1		03/14/25 1557	03/21/25 2138	EPP
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2138	EPP
2,4,5-T	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2138	EPP
Dinoseb	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2138	EPP
Surrogate: 2,5-Dichlorobenzoic Acid	125	Limit: 36-159	% Rec	1		03/14/25 1557	03/21/25 2138	EPP

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8081								
Alpha-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
Beta-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
Heptachlor	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-58
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-19

Collected By: Whipple, Todd
Collection Date: 03/12/2025 10:00

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Delta-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
Aldrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
Endosulfan I	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
4,4'-DDE	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
Dieldrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
Endrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
4,4'-DDD	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
Endosulfan II	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
4,4'-DDT	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
Endrin Aldehyde	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
Methoxychlor	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
Chlordane	<0.10	0.10	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
Toxaphene	<0.20	0.20	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
Hexachlorobenzene	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1424	EPP
Surrogate: Tetrachloro-m-xylene	78.6	Limit: 40-116	% Rec	1		03/17/25 1421	03/21/25 1424	EPP

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8082								
Arochlor 1016	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1424	EPP
Arochlor 1221	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1424	EPP
Arochlor 1232	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1424	EPP
Arochlor 1242	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1424	EPP
Arochlor 1248	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1424	EPP
Arochlor 1254	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1424	EPP
Arochlor 1260	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1424	EPP
Surrogate: Tetrachloro-m-xylene	78.6	Limit: 37-120	% Rec	1		03/17/25 1424	03/21/25 1424	EPP
Surrogate: Decachlorobiphenyl	89.2	Limit: 22-116	% Rec	1		03/17/25 1424	03/21/25 1424	EPP

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			03/17/25 0928	AKK
EPA 9014								
Cyanide, total	<0.010	0.010	mg/L	1		03/20/25 0716	03/21/25 0908	CES

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		03/14/25 1555	03/20/25 0119	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0119	KKJ
Barium, total	0.0214	0.0040	mg/L	4		03/14/25 1555	03/20/25 0119	KKJ

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID:	MW-58	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/12/2025 10:00
Lab Sample ID:	1IC0851-19		

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0119	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/20/25 0119	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/20/25 0119	KKJ
Cobalt, total	<0.0004	0.0004	mg/L	4		03/14/25 1555	03/20/25 0119	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0119	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0119	KKJ
Nickel, total	0.0142	0.0040	mg/L	4		03/14/25 1555	03/20/25 0119	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0119	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0119	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/20/25 0119	KKJ
Tin, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0119	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0119	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0119	KKJ
EPA 7470A								
Mercury, total	<0.00050	0.00050	mg/L	1		03/20/25 1536	03/21/25 1519	JAR

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID: MW-59
Sample Matrix: Aqueous
Lab Sample ID: 1IC0851-20

Collected By: Whipple, Todd
Collection Date: 03/12/2025 10:29

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Dichlorodifluoromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Chloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Acrolein	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 2323	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Acetone	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Methyl Iodide	<2.0	2.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Acetonitrile	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2323	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
2,2-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
2-Butanone (MEK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Chloroform	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
1,1-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Benzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Toluene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Ethyl Methacrylate	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
1,3-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-59
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-20

Collected By: Whipple, Todd
Collection Date: 03/12/2025 10:29

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Chlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Styrene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Bromoform	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2034	CSM
Allyl chloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2039	RAF
Chloroprene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2039	RAF
Methacrylonitrile	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2039	RAF
Methyl Methacrylate	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2039	RAF
Propionitrile	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 2039	RAF
Surrogate: Dibromofluoromethane	98.6	Limit: 57-134	% Rec	1		03/24/25 0000	03/24/25 2034	CSM
Surrogate: Dibromofluoromethane	107	Limit: 57-134	% Rec	1		03/24/25 0000	03/24/25 2039	RAF
Surrogate: 1,2-Dichloroethane-d4	95.0	Limit: 53-140	% Rec	1		03/24/25 0000	03/24/25 2034	CSM
Surrogate: 1,2-Dichloroethane-d4	105	Limit: 53-140	% Rec	1		03/24/25 0000	03/24/25 2039	RAF
Surrogate: 1,2-Dichloroethane-d4	63.1	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 2323	CSM
Surrogate: Toluene-d8	97.7	Limit: 86-114	% Rec	1		03/24/25 0000	03/24/25 2034	CSM
Surrogate: Toluene-d8	98.6	Limit: 86-114	% Rec	1		03/24/25 0000	03/24/25 2039	RAF
Surrogate: Toluene-d8	103	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 2323	CSM
Surrogate: 4-Bromofluorobenzene	90.4	Limit: 78-121	% Rec	1		03/24/25 0000	03/24/25 2034	CSM
Surrogate: 4-Bromofluorobenzene	97.4	Limit: 78-121	% Rec	1		03/24/25 0000	03/24/25 2039	RAF
Surrogate: 4-Bromofluorobenzene	91.4	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 2323	CSM

Determination of General Solvents	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8015C								
Isobutanol	<1.0	1.0	mg/L	1		03/21/25 1147	03/23/25 0542	PDS

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3520C/EPA 8270C								
N-Nitrosodimethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Methyl Methanesulfonate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
N-Nitrosodiethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
N-Nitrosomethylethylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Ethyl Methanesulfonate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Phenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-59
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-20

Collected By: Whipple, Todd
Collection Date: 03/12/2025 10:29

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Bis(2-Chloroethyl) Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
2-Chlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Benzyl Alcohol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
N-Nitrosopyrrolidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Acetophenone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
o-Toluidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
(3 & 4)-Methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Hexachloroethane	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Nitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
N-Nitrosopiperidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Isophorone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
2-Nitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
2,4-Dimethylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
2,4-Dichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Naphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
4-Chloroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
2,6-Dichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Hexachloropropene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Hexachlorobutadiene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
1,4-Phenylenediamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
4-Chloro-3-methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
2-Methylnaphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Isosafrole	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Hexachlorocyclopentadiene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
2,4,6-Trichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
2,4,5-Trichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Safrole	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
2-Chloronaphthalene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
2-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
1,4-Naphthoquinone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Dimethylphthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
1,3-Dinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
1,2-Dinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
2,6-Dinitrotoluene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Acenaphthylene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
3-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Acenaphthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-59
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-20

Collected By: Whipple, Todd
Collection Date: 03/12/2025 10:29

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
4-Nitrophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Dibenzofuran	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
2,4-Dinitrotoluene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Pentachlorobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
1-Naphthylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
2-Naphthylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Diethyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Fluorene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
4-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
5-Nitro-o-toluidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
N-Nitrosodiphenylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Diphenylamine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Azobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Diallate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Phenacetin	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
4-Aminobiphenyl	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Pentachlorophenol	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Pronamide	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Phenanthrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Di-n-butyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Methapyrilene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Isodrin	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Chlorobenzilate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
3,3-Dimethylbenzidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Butyl Benzyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Benzo(a)anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Chrysene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Kepone	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
2-Acetylaminofluorene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Di-n-octyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-59
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-20

Collected By: Whipple, Todd
Collection Date: 03/12/2025 10:29

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

Benzo(b)Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Benzo(k)Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Benzo(a)Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
3-Methylcholanthrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Benzo(g,h,i)perylene	<8	8	ug/L	1		03/19/25 1349	03/24/25 2335	EPP
Surrogate: 2-Fluorophenol	51.3	Limit: 10-149	% Rec	1		03/19/25 1349	03/24/25 2335	EPP
Surrogate: Phenol-d6	54.7	Limit: 10-143	% Rec	1		03/19/25 1349	03/24/25 2335	EPP
Surrogate: Nitrobenzene-d5	73.7	Limit: 20-149	% Rec	1		03/19/25 1349	03/24/25 2335	EPP
Surrogate: 2-Fluorobiphenyl	74.4	Limit: 11-146	% Rec	1		03/19/25 1349	03/24/25 2335	EPP
Surrogate: 2,4,6-Tribromophenol	55.9	Limit: 10-153	% Rec	1		03/19/25 1349	03/24/25 2335	EPP
Surrogate: Terphenyl-dl4	72.7	Limit: 27-155	% Rec	1		03/19/25 1349	03/24/25 2335	EPP

Determination of Organophosphorus Insecticides	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst

EPA 3510C/EPA 8141

O,O,O-Triethyl phosphorothioate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2237	EPP
Thionazin	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2237	EPP
Phorate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2237	EPP
Dimethoate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2237	EPP
Disulfoton	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2237	EPP
Methyl Parathion	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2237	EPP
Parathion	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2237	EPP
Famphur	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2237	EPP
Surrogate: 2-Nitro-m-xylene	74.8	Limit: 15-154	% Rec	1		03/17/25 1427	03/24/25 2237	EPP

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

EPA 8151A

2,4-D	<2.0	2.0	ug/L	1		03/14/25 1557	03/21/25 2210	EPP
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2210	EPP
2,4,5-T	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2210	EPP
Dinoseb	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2210	EPP
Surrogate: 2,5-Dichlorobenzoic Acid	136	Limit: 36-159	% Rec	1		03/14/25 1557	03/21/25 2210	EPP

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

EPA 3510C/EPA 8081

Alpha-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
Beta-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
Heptachlor	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-59
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-20

Collected By: Whipple, Todd
Collection Date: 03/12/2025 10:29

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Delta-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
Aldrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
Endosulfan I	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
4,4'-DDE	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
Dieldrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
Endrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
4,4'-DDD	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
Endosulfan II	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
4,4'-DDT	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
Endrin Aldehyde	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
Methoxychlor	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
Chlordane	<0.10	0.10	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
Toxaphene	<0.20	0.20	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
Hexachlorobenzene	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1438	EPP
Surrogate: Tetrachloro-m-xylene	80.6	Limit: 40-116	% Rec	1		03/17/25 1421	03/21/25 1438	EPP

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8082								
Arochlor 1016	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1438	EPP
Arochlor 1221	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1438	EPP
Arochlor 1232	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1438	EPP
Arochlor 1242	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1438	EPP
Arochlor 1248	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1438	EPP
Arochlor 1254	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1438	EPP
Arochlor 1260	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1438	EPP
Surrogate: Tetrachloro-m-xylene	80.6	Limit: 37-120	% Rec	1		03/17/25 1424	03/21/25 1438	EPP
Surrogate: Decachlorobiphenyl	78.4	Limit: 22-116	% Rec	1		03/17/25 1424	03/21/25 1438	EPP

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			03/17/25 0928	AKK
EPA 9014								
Cyanide, total	<0.010	0.010	mg/L	1		03/20/25 0716	03/21/25 0908	CES

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		03/14/25 1555	03/20/25 0137	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0137	KKJ
Barium, total	0.0248	0.0040	mg/L	4		03/14/25 1555	03/20/25 0137	KKJ

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID:	MW-59	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/12/2025 10:29
Lab Sample ID:	1IC0851-20		

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0137	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/20/25 0137	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/20/25 0137	KKJ
Cobalt, total	<0.0004	0.0004	mg/L	4		03/14/25 1555	03/20/25 0137	KKJ
Copper, total	0.0067	0.0040	mg/L	4		03/14/25 1555	03/20/25 0137	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0137	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0137	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0137	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0137	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/20/25 0137	KKJ
Tin, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0137	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0137	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0137	KKJ
EPA 7470A								
Mercury, total	<0.00050	0.00050	mg/L	1		03/20/25 1536	03/21/25 1521	JAR

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID: MW-60
Sample Matrix: Aqueous
Lab Sample ID: 1IC0851-21

Collected By: Whipple, Todd
Collection Date: 03/12/2025 8:38

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Dichlorodifluoromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Chloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Acrolein	<10.0	10.0	ug/L	1		03/19/25 0000	03/19/25 2345	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Acetone	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Methyl Iodide	<2.0	2.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Acetonitrile	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/19/25 0000	03/19/25 2345	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
2,2-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
2-Butanone (MEK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Chloroform	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
1,1-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Benzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Toluene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Ethyl Methacrylate	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
1,3-Dichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-60
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-21

Collected By: Whipple, Todd
Collection Date: 03/12/2025 8:38

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Chlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Styrene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Bromoform	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2056	CSM
Allyl chloride	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2102	RAF
Chloroprene	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2102	RAF
Methacrylonitrile	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2102	RAF
Methyl Methacrylate	<1.0	1.0	ug/L	1		03/24/25 0000	03/24/25 2102	RAF
Propionitrile	<10.0	10.0	ug/L	1		03/24/25 0000	03/24/25 2102	RAF
Surrogate: Dibromofluoromethane	109	Limit: 57-134	% Rec	1		03/24/25 0000	03/24/25 2102	RAF
Surrogate: Dibromofluoromethane	96.0	Limit: 57-134	% Rec	1		03/24/25 0000	03/24/25 2056	CSM
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 53-140	% Rec	1		03/24/25 0000	03/24/25 2102	RAF
Surrogate: 1,2-Dichloroethane-d4	90.6	Limit: 53-140	% Rec	1		03/24/25 0000	03/24/25 2056	CSM
Surrogate: 1,2-Dichloroethane-d4	66.2	Limit: 53-140	% Rec	1		03/19/25 0000	03/19/25 2345	CSM
Surrogate: Toluene-d8	97.1	Limit: 86-114	% Rec	1		03/24/25 0000	03/24/25 2102	RAF
Surrogate: Toluene-d8	97.3	Limit: 86-114	% Rec	1		03/24/25 0000	03/24/25 2056	CSM
Surrogate: Toluene-d8	103	Limit: 86-114	% Rec	1		03/19/25 0000	03/19/25 2345	CSM
Surrogate: 4-Bromofluorobenzene	98.4	Limit: 78-121	% Rec	1		03/24/25 0000	03/24/25 2102	RAF
Surrogate: 4-Bromofluorobenzene	90.8	Limit: 78-121	% Rec	1		03/24/25 0000	03/24/25 2056	CSM
Surrogate: 4-Bromofluorobenzene	90.9	Limit: 78-121	% Rec	1		03/19/25 0000	03/19/25 2345	CSM

Determination of General Solvents	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8015C								
Isobutanol	<1.0	1.0	mg/L	1		03/21/25 1147	03/23/25 1202	PDS

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3520C/EPA 8270C								
N-Nitrosodimethylamine	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Methyl Methanesulfonate	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
N-Nitrosodiethylamine	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
N-Nitrosomethylethylamine	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Ethyl Methanesulfonate	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Phenol	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-60
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-21

Collected By: Whipple, Todd
Collection Date: 03/12/2025 8:38

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Bis(2-Chloroethyl) Ether	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
2-Chlorophenol	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Benzyl Alcohol	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
N-Nitrosopyrrolidine	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Acetophenone	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
o-Toluidine	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
(3 & 4)-Methylphenol	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Hexachloroethane	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Nitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
N-Nitrosopiperidine	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Isophorone	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
2-Nitrophenol	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
2,4-Dimethylphenol	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
2,4-Dichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Naphthalene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
4-Chloroaniline	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
2,6-Dichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Hexachloropropene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Hexachlorobutadiene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
1,4-Phenylenediamine	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
4-Chloro-3-methylphenol	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
2-Methylnaphthalene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Isosafrole	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Hexachlorocyclopentadiene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
2,4,6-Trichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
2,4,5-Trichlorophenol	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Safrole	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
2-Chloronaphthalene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
2-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
1,4-Naphthoquinone	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Dimethylphthalate	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
1,3-Dinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
1,2-Dinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
2,6-Dinitrotoluene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Acenaphthylene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
3-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Acenaphthene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-60
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-21

Collected By: Whipple, Todd
Collection Date: 03/12/2025 8:38

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
4-Nitrophenol	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Dibenzofuran	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
2,4-Dinitrotoluene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Pentachlorobenzene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
1-Naphthylamine	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
2-Naphthylamine	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Diethyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Fluorene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
4-Nitroaniline	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
5-Nitro-o-toluidine	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
N-Nitrosodiphenylamine	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Diphenylamine	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Azobenzene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Diallate	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Phenacetin	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
4-Aminobiphenyl	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Pentachlorophenol	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Pronamide	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Phenanthrene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Anthracene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Di-n-butyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Methapyrilene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Isodrin	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Chlorobenzilate	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Pyrene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
3,3-Dimethylbenzidine	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Butyl Benzyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Benzo(a)anthracene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Chrysene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Kepone	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
2-Acetylaminofluorene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Di-n-octyl Phthalate	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-60
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-21

Collected By: Whipple, Todd
Collection Date: 03/12/2025 8:38

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Benzo(b)Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Benzo(k)Fluoranthene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Benzo(a)Pyrene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
3-Methylcholanthrene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Benzo(g,h,i)perylene	<8	8	ug/L	1		03/19/25 1349	03/25/25 0000	EPP
Surrogate: 2-Fluorophenol	47.4	Limit: 10-149	% Rec	1		03/19/25 1349	03/25/25 0000	EPP
Surrogate: Phenol-d6	54.2	Limit: 10-143	% Rec	1		03/19/25 1349	03/25/25 0000	EPP
Surrogate: Nitrobenzene-d5	75.7	Limit: 20-149	% Rec	1		03/19/25 1349	03/25/25 0000	EPP
Surrogate: 2-Fluorobiphenyl	77.0	Limit: 11-146	% Rec	1		03/19/25 1349	03/25/25 0000	EPP
Surrogate: 2,4,6-Tribromophenol	45.8	Limit: 10-153	% Rec	1		03/19/25 1349	03/25/25 0000	EPP
Surrogate: Terphenyl-dl4	84.3	Limit: 27-155	% Rec	1		03/19/25 1349	03/25/25 0000	EPP

Determination of Organophosphorus Insecticides	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8141								
O,O,O-Triethyl phosphorothioate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2319	EPP
Thionazin	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2319	EPP
Phorate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2319	EPP
Dimethoate	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2319	EPP
Disulfoton	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2319	EPP
Methyl Parathion	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2319	EPP
Parathion	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2319	EPP
Famphur	<0.4	0.4	ug/L	1		03/17/25 1427	03/24/25 2319	EPP
Surrogate: 2-Nitro-m-xylene	59.7	Limit: 15-154	% Rec	1		03/17/25 1427	03/24/25 2319	EPP

Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8151A								
2,4-D	<2.0	2.0	ug/L	1		03/14/25 1557	03/21/25 2241	EPP
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2241	EPP
2,4,5-T	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2241	EPP
Dinoseb	<0.5	0.5	ug/L	1		03/14/25 1557	03/21/25 2241	EPP
Surrogate: 2,5-Dichlorobenzoic Acid	112	Limit: 36-159	% Rec	1		03/14/25 1557	03/21/25 2241	EPP

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8081								
Alpha-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
Beta-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
Heptachlor	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-60
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-21

Collected By: Whipple, Todd
Collection Date: 03/12/2025 8:38

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Delta-BHC	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
Aldrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
Endosulfan I	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
4,4'-DDE	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
Dieldrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
Endrin	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
4,4'-DDD	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
Endosulfan II	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
4,4'-DDT	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
Endrin Aldehyde	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
Methoxychlor	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
Chlordane	<0.10	0.10	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
Toxaphene	<0.20	0.20	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
Hexachlorobenzene	<0.05	0.05	ug/L	1		03/17/25 1421	03/21/25 1453	EPP
Surrogate: Tetrachloro-m-xylene	76.8	Limit: 40-116	% Rec	1		03/17/25 1421	03/21/25 1453	EPP

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8082								
Arochlor 1016	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1453	EPP
Arochlor 1221	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1453	EPP
Arochlor 1232	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1453	EPP
Arochlor 1242	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1453	EPP
Arochlor 1248	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1453	EPP
Arochlor 1254	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1453	EPP
Arochlor 1260	<0.20	0.20	ug/L	1		03/17/25 1424	03/21/25 1453	EPP
Surrogate: Tetrachloro-m-xylene	76.8	Limit: 37-120	% Rec	1		03/17/25 1424	03/21/25 1453	EPP
Surrogate: Decachlorobiphenyl	68.6	Limit: 22-116	% Rec	1		03/17/25 1424	03/21/25 1453	EPP

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			03/17/25 0928	AKK
EPA 9014								
Cyanide, total	<0.010	0.010	mg/L	1		03/20/25 0716	03/21/25 0908	CES

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		03/14/25 1555	03/20/25 0143	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0143	KKJ
Barium, total	0.146	0.0040	mg/L	4		03/14/25 1555	03/20/25 0143	KKJ

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID:	MW-60	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/12/2025 8:38
Lab Sample ID:	1IC0851-21		

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0143	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1555	03/20/25 0143	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1555	03/20/25 0143	KKJ
Cobalt, total	<0.0004	0.0004	mg/L	4		03/14/25 1555	03/20/25 0143	KKJ
Copper, total	0.0045	0.0040	mg/L	4		03/14/25 1555	03/20/25 0143	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0143	KKJ
Nickel, total	0.0053	0.0040	mg/L	4		03/14/25 1555	03/20/25 0143	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0143	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1555	03/20/25 0143	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1555	03/20/25 0143	KKJ
Tin, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0143	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0143	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1555	03/20/25 0143	KKJ
EPA 7470A								
Mercury, total	<0.00050	0.00050	mg/L	1		03/20/25 1536	03/21/25 1524	JAR

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-61
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-22

Collected By: Whipple, Todd
Collection Date: 03/12/2025 12:59

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Acetone	<10.0	10.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Acrylonitrile	<5.0	5.0	ug/L	1	AC	03/19/25 0000	03/20/25 0007	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Chloroform	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Benzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Toluene	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Styrene	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Bromoform	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM

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CERTIFICATE OF ANALYSIS

11C0851

Client Sample ID: MW-61
Sample Matrix: Aqueous
Lab Sample ID: 11C0851-22

Collected By: Whipple, Todd
Collection Date: 03/12/2025 12:59

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/19/25 0000	03/20/25 0007	CSM
Surrogate: Dibromofluoromethane	66.5	Limit: 57-134	% Rec	1		03/19/25 0000	03/20/25 0007	CSM
Surrogate: Dibromofluoromethane	66.5	Limit: 75-136	% Rec	1	S2	03/19/25 0000	03/20/25 0007	CSM
Surrogate: 1,2-Dichloroethane-d4	64.0	Limit: 53-140	% Rec	1		03/19/25 0000	03/20/25 0007	CSM
Surrogate: 1,2-Dichloroethane-d4	64.0	Limit: 61-142	% Rec	1		03/19/25 0000	03/20/25 0007	CSM
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec	1		03/19/25 0000	03/20/25 0007	CSM
Surrogate: Toluene-d8	103	Limit: 86-114	% Rec	1		03/19/25 0000	03/20/25 0007	CSM
Surrogate: 4-Bromofluorobenzene	91.3	Limit: 78-121	% Rec	1		03/19/25 0000	03/20/25 0007	CSM
Surrogate: 4-Bromofluorobenzene	91.3	Limit: 80-116	% Rec	1		03/19/25 0000	03/20/25 0007	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		03/14/25 1600	03/20/25 0202	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1600	03/20/25 0202	KKJ
Barium, total	0.196	0.0040	mg/L	4		03/14/25 1600	03/20/25 0202	KKJ
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1600	03/20/25 0202	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1600	03/20/25 0202	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1600	03/20/25 0202	KKJ
Cobalt, total	<0.0004	0.0004	mg/L	4		03/14/25 1600	03/20/25 0202	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1600	03/20/25 0202	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1600	03/20/25 0202	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1600	03/20/25 0202	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1600	03/20/25 0202	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1600	03/20/25 0202	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1600	03/20/25 0202	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1600	03/20/25 0202	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1600	03/20/25 0202	KKJ

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CERTIFICATE OF ANALYSIS

1IC0851

Client Sample ID:	Duplicate	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/12/2025
Lab Sample ID:	1IC0851-23		

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		03/14/25 1600	03/20/25 0232	KKJ
Arsenic, total	<0.0040	0.0040	mg/L	4		03/14/25 1600	03/20/25 0232	KKJ
Barium, total	0.0820	0.0040	mg/L	4		03/14/25 1600	03/20/25 0232	KKJ
Beryllium, total	<0.0040	0.0040	mg/L	4		03/14/25 1600	03/20/25 0232	KKJ
Cadmium, total	<0.0008	0.0008	mg/L	4		03/14/25 1600	03/20/25 0232	KKJ
Chromium, total	<0.0080	0.0080	mg/L	4		03/14/25 1600	03/20/25 0232	KKJ
Cobalt, total	<0.0004	0.0004	mg/L	4		03/14/25 1600	03/20/25 0232	KKJ
Copper, total	<0.0040	0.0040	mg/L	4		03/14/25 1600	03/20/25 0232	KKJ
Lead, total	<0.0040	0.0040	mg/L	4		03/14/25 1600	03/20/25 0232	KKJ
Nickel, total	<0.0040	0.0040	mg/L	4		03/14/25 1600	03/20/25 0232	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/14/25 1600	03/20/25 0232	KKJ
Silver, total	<0.0040	0.0040	mg/L	4		03/14/25 1600	03/20/25 0232	KKJ
Thallium, total	<0.0020	0.0020	mg/L	4		03/14/25 1600	03/20/25 0232	KKJ
Vanadium, total	<0.0200	0.0200	mg/L	4		03/14/25 1600	03/20/25 0232	KKJ
Zinc, total	<0.0200	0.0200	mg/L	4		03/14/25 1600	03/20/25 0232	KKJ

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CERTIFICATE OF ANALYSIS

1IC0851

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IC0734	1IC0734-BLK1	
		1IC0734-BS1	
		1IC0851-01	MW-44
		1IC0734-MS1	1IC0851-01
		1IC0734-MSD1	1IC0851-01
		1IC0734-PS1	1IC0851-01
		1IC0851-02	MW-57
		1IC0851-03	MW-56
		1IC0851-04	MW-64
		1IC0851-05	MW-65
		1IC0851-06	SW-101R
		1IC0851-08	SW-102
		1IC0851-09	SW-103
		1IC0851-10	MW-48 (B)
		1IC0851-11	MW-39 (B)
		1IC0851-12	MW-78 (B)
		1IC0851-13	MW-62R
		1IC0851-14	MW-79
		1IC0851-15	MW-80
		1IC0851-16	MW-36
		1IC0851-17	MW-41
		1IC0851-18	MW-42
		1IC0851-19	MW-58
		1IC0851-20	MW-59
		1IC0851-21	MW-60
		1IC0851-06RE1	SW-101R
Method	Batch	Laboratory ID	Client / Source ID
EPA 8151A	1IC0735	1IC0735-BLK1	
		1IC0851-01	MW-44
		1IC0851-02	MW-57
		1IC0851-13	MW-62R
		1IC0851-15	MW-80
		1IC0851-17	MW-41
		1IC0851-19	MW-58
		1IC0851-20	MW-59
		1IC0851-21	MW-60
		1IC0735-BS1	
		1IC0735-BSD1	

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CERTIFICATE OF ANALYSIS

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Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IC0736	1IC0736-BLK1	
		1IC0736-BS1	
		1IC0851-22	MW-61
		1IC0736-MS1	1IC0852-01
		1IC0736-MSD1	1IC0852-01
		1IC0736-PS1	1IC0852-01
		1IC0851-23	Duplicate
Method	Batch	Laboratory ID	Client / Source ID
EPA 376.2	1IC0760	1IC0760-BS1	
		1IC0851-20	MW-59
		1IC0851-15	MW-80
		1IC0851-21	MW-60
		1IC0760-MS1	1IC0696-01
		1IC0851-19	MW-58
		1IC0851-02	MW-57
		1IC0851-01	MW-44
		1IC0851-17	MW-41
		1IC0760-MSD1	1IC0696-01
		1IC0760-BLK1	
		1IC0851-13	MW-62R
Method	Batch	Laboratory ID	Client / Source ID
EPA 8081	1IC0789	1IC0789-BLK1	
		1IC0789-BS1	
		1IC0789-BSD1	
		1IC0851-01	MW-44
		1IC0851-02	MW-57
		1IC0851-13	MW-62R
		1IC0851-15	MW-80
		1IC0851-17	MW-41
		1IC0851-19	MW-58
		1IC0851-20	MW-59
		1IC0851-21	MW-60
Method	Batch	Laboratory ID	Client / Source ID
EPA 8082	1IC0790	1IC0790-BLK1	
		1IC0790-BS1	
		1IC0790-BSD1	
		1IC0851-01	MW-44
		1IC0851-02	MW-57
		1IC0851-13	MW-62R

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1IC0851

EPA 8082	1IC0790	1IC0851-15	MW-80
		1IC0851-17	MW-41
		1IC0851-19	MW-58
		1IC0851-20	MW-59
		1IC0851-21	MW-60

Method	Batch	Laboratory ID	Client / Source ID
EPA 8141	1IC0795	1IC0795-BLK1	
		1IC0851-01	MW-44
		1IC0851-02	MW-57
		1IC0851-13	MW-62R
		1IC0851-15	MW-80
		1IC0851-17	MW-41
		1IC0851-19	MW-58
		1IC0851-20	MW-59
		1IC0851-21	MW-60
		1IC0795-BS1	
		1IC0795-BSD1	

Method	Batch	Laboratory ID	Client / Source ID
EPA 8270C	1IC0958	1IC0958-BLK1	
		1IC0958-BS1	
		1IC0958-BS1	
		1IC0958-BSD1	
		1IC0958-SRM1	
		1IC0851-01	MW-44
		1IC0851-02	MW-57
		1IC0851-13	MW-62R
		1IC0851-15	MW-80
		1IC0851-17	MW-41
		1IC0851-19	MW-58
		1IC0851-20	MW-59
		1IC0851-21	MW-60

Method	Batch	Laboratory ID	Client / Source ID
EPA 9014	1IC0986	1IC0986-BS1	
		1IC0851-01	MW-44
		1IC0986-MS1	1IC0827-03
		1IC0986-MSD1	1IC0827-03
		1IC0851-17	MW-41
		1IC0851-19	MW-58
		1IC0851-20	MW-59
		1IC0851-21	MW-60
		1IC0851-13	MW-62R

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1IC0851

EPA 9014	1IC0986	1IC0851-15	MW-80
		1IC0986-BLK1	
		1IC0851-02	MW-57

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IC1002	1IC1002-BS1	
		1IC1002-BLK1	
		1IC0851-01	MW-44
		1IC0851-02	MW-57
		1IC0851-03	MW-56
		1IC0851-04	MW-64
		1IC0851-05	MW-65
		1IC0851-06	SW-101R
		1IC0851-07	PECS-1
		1IC0851-08	SW-102
		1IC0851-09	SW-103
		1IC0851-10	MW-48 (B)
		1IC0851-11	MW-39 (B)
		1IC0851-12	MW-78 (B)
		1IC0851-13	MW-62R
		1IC0851-14	MW-79
		1IC0851-15	MW-80
		1IC0851-16	MW-36
		1IC0851-17	MW-41
		1IC0851-18	MW-42
		1IC0851-19	MW-58
		1IC0851-20	MW-59
		1IC0851-21	MW-60
		1IC0851-22	MW-61
		1IC1002-MS1	1IC0851-01
		1IC1002-MSD1	1IC0851-01
		1IC1002-BS2	
		1IC1002-BSD2	
		1IC1002-BLK2	
		1IC1002-MS2	1IC0851-21
		1IC1002-MSD2	1IC0851-21
Method	Batch	Laboratory ID	Client / Source ID
EPA 7470A	1IC1060	1IC1060-BLK1	
		1IC1060-BS1	
		1IC0851-01	MW-44
		1IC0851-02	MW-57
		1IC0851-13	MW-62R

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1IC0851

EPA 7470A	1IC1060	1IC0851-15	MW-80
		1IC0851-17	MW-41
		1IC0851-19	MW-58
		1IC0851-20	MW-59
		1IC0851-21	MW-60
		1IC1060-MS1	1IC1029-01
		1IC1060-MSD1	1IC1029-01

Method	Batch	Laboratory ID	Client / Source ID
EPA 8015C	1IC1088	1IC1088-BS1	
		1IC1088-BLK1	
		1IC0851-01	MW-44
		1IC0851-02	MW-57
		1IC0851-13	MW-62R
		1IC0851-15	MW-80
		1IC0851-17	MW-41
		1IC0851-19	MW-58
		1IC0851-20	MW-59
		1IC1088-MS1	1IC0851-01
		1IC1088-MSD1	1IC0851-01
		1IC1088-BLK2	
		1IC0851-21	MW-60

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IC1200	1IC1200-BS1	
		1IC1200-BSD1	
		1IC1200-BLK1	
		1IC0851-01	MW-44
		1IC0851-02	MW-57
		1IC0851-13	MW-62R
		1IC0851-15	MW-80
		1IC0851-17	MW-41
		1IC0851-19	MW-58
		1IC0851-20	MW-59
		1IC0851-21	MW-60
		1IC1200-MS1	1IC0851-21
		1IC1200-MSD1	1IC0851-21

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IC1203	1IC1203-BS1	
		1IC1203-BSD1	
		1IC1203-BLK1	
		1IC0851-01	MW-44
		1IC0851-02	MW-57



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CERTIFICATE OF ANALYSIS

1IC0851

EPA 8260D	1IC1203	1IC0851-13	MW-62R
		1IC0851-15	MW-80
		1IC0851-17	MW-41
		1IC0851-19	MW-58
		1IC0851-20	MW-59
		1IC0851-21	MW-60
		1IC1203-MS1	1IC0851-01

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 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							
Acrolein	<10.0	10.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
Acrylonitrile	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							

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CERTIFICATE OF ANALYSIS

1IC0851

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%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						
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	34.7		ug/L	50.2		69.1	57-134			S2
Surrogate: Dibromofluoromethane	34.7		ug/L	50.2		69.1	75-136			
Surrogate: 1,2-Dichloroethane-d4	33.2		ug/L	50.1		66.4	53-140			
Surrogate: 1,2-Dichloroethane-d4	33.2		ug/L	50.1		66.4	53-140			
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	86-114			
Surrogate: Toluene-d8	51.4		ug/L	50.4		102	86-114			
Surrogate: Toluene-d8	51.4		ug/L	50.4		102	82-121			
Surrogate: 4-Bromofluorobenzene	46.6		ug/L	50.1		92.9	78-121			
Surrogate: 4-Bromofluorobenzene	46.6		ug/L	50.1		92.9	78-121			
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							
Acrolein	<10.0	10.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<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							
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							

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CERTIFICATE OF ANALYSIS

1IC0851

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-BLK2)				Prepared: 03/19/25 00:00 Analyzed: 03/20/25 03:06						
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	37.6		ug/L	50.2		74.9	57-134			
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	53-140			
Surrogate: 1,2-Dichloroethane-d4	36.0		ug/L	50.1		71.9	53-140			
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	86-114			
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	46.3		ug/L	50.1		92.3	78-121			

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CERTIFICATE OF ANALYSIS

1IC0851

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-BLK2)										
				Prepared: 03/19/25 00:00 Analyzed: 03/20/25 03:06						
Surrogate: 4-Bromofluorobenzene	46.3		ug/L	50.1		92.3	78-121			
Surrogate: 4-Bromofluorobenzene	46.3		ug/L	50.1		92.3	80-116			
LCS (1IC1002-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			
Acrolein	42.49	10.0	ug/L	50.4		84.4	21-142			
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			
Acrylonitrile	45.11	5.0	ug/L	50.2		89.9	56-135			
Acrylonitrile	45.11	5.0	ug/L	50.2		89.9	56-135			
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			
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			

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CERTIFICATE OF ANALYSIS

1IC0851

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										
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	57-134			
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	53-140			
Surrogate: 1,2-Dichloroethane-d4	44.7		ug/L	50.1		89.2	53-140			
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	86-114			
Surrogate: Toluene-d8	49.7		ug/L	50.4		98.6	86-114			
Surrogate: Toluene-d8	49.7		ug/L	50.4		98.6	82-121			
Surrogate: 4-Bromofluorobenzene	48.5		ug/L	50.1		96.7	78-121			
Surrogate: 4-Bromofluorobenzene	48.5		ug/L	50.1		96.7	78-121			
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			
Acrolein	45.78	10.0	ug/L	50.4		90.9	21-142			
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			
Acrylonitrile	46.33	5.0	ug/L	50.2		92.3	56-135			
Acrylonitrile	46.33	5.0	ug/L	50.2		92.3	56-135			
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			
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			

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1IC0851

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						
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	57-134			
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	53-140			
Surrogate: 1,2-Dichloroethane-d4	45.5		ug/L	50.1		90.9	53-140			
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	86-114			
Surrogate: Toluene-d8	49.6		ug/L	50.4		98.5	86-114			
Surrogate: Toluene-d8	49.6		ug/L	50.4		98.5	82-121			
Surrogate: 4-Bromofluorobenzene	49.3		ug/L	50.1		98.4	78-121			
Surrogate: 4-Bromofluorobenzene	49.3		ug/L	50.1		98.4	78-121			
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	

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CERTIFICATE OF ANALYSIS

1IC0851

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						
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	
Acrolein	42.00	10.0	ug/L	50.4		83.4	21-142	8.61	18	
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	
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	
Acrylonitrile	46.61	5.0	ug/L	50.2		92.8	56-135	0.603	16	
Acrylonitrile	46.61	5.0	ug/L	50.2		92.8	56-135	0.603	16	
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	

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CERTIFICATE OF ANALYSIS

11C0851

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										
LCS Dup (11C1002-BSD2)				Prepared: 03/19/25 00:00 Analyzed: 03/20/25 02:21						
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	57-134			
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	53-140			
Surrogate: 1,2-Dichloroethane-d4	47.1		ug/L	50.1		94.1	53-140			
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	86-114			
Surrogate: Toluene-d8	48.9		ug/L	50.4		97.0	86-114			
Surrogate: Toluene-d8	48.9		ug/L	50.4		97.0	82-121			
Surrogate: 4-Bromofluorobenzene	47.9		ug/L	50.1		95.5	78-121			
Surrogate: 4-Bromofluorobenzene	47.9		ug/L	50.1		95.5	78-121			
Surrogate: 4-Bromofluorobenzene	47.9		ug/L	50.1		95.5	80-116			
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			
Acrolein	407.4	100	ug/L	504	ND	80.9	22-138			
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			
Acrylonitrile	475.3	50.0	ug/L	502	ND	94.7	38-147			
Acrylonitrile	475.3	50.0	ug/L	502	ND	94.7	38-147			
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			

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CERTIFICATE OF ANALYSIS

1IC0851

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-MS1)	Source: 1IC0851-01			Prepared: 03/19/25 00:00 Analyzed: 03/20/25 00:30						
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			
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	57-134			
Surrogate: Dibromofluoromethane	446		ug/L	502		88.9	75-136			
Surrogate: 1,2-Dichloroethane-d4	448		ug/L	501		89.4	53-140			
Surrogate: 1,2-Dichloroethane-d4	448		ug/L	501		89.4	53-140			
Surrogate: 1,2-Dichloroethane-d4	448		ug/L	501		89.4	61-142			
Surrogate: Toluene-d8	498		ug/L	504		98.9	86-114			
Surrogate: Toluene-d8	498		ug/L	504		98.9	86-114			
Surrogate: Toluene-d8	498		ug/L	504		98.9	82-121			
Surrogate: 4-Bromofluorobenzene	500		ug/L	501		99.6	78-121			
Surrogate: 4-Bromofluorobenzene	500		ug/L	501		99.6	78-121			
Surrogate: 4-Bromofluorobenzene	500		ug/L	501		99.6	80-116			
Matrix Spike (1IC1002-MS2)	Source: 1IC0851-21			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			
Acrolein	385.1	100	ug/L	504	ND	76.5	22-138			
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			

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CERTIFICATE OF ANALYSIS

1IC0851

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						
Methylene Chloride	432.2	50.0	ug/L	501	ND	86.3	69-140			
Acrylonitrile	500.0	50.0	ug/L	502	ND	99.6	38-147			
Acrylonitrile	500.0	50.0	ug/L	502	ND	99.6	38-147			
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			
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	57-134			
Surrogate: Dibromofluoromethane	478		ug/L	502		95.3	75-136			
Surrogate: 1,2-Dichloroethane-d4	476		ug/L	501		95.0	53-140			
Surrogate: 1,2-Dichloroethane-d4	476		ug/L	501		95.0	53-140			

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CERTIFICATE OF ANALYSIS

1IC0851

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						
Surrogate: 1,2-Dichloroethane-d4	476		ug/L	501		95.0	61-142			
Surrogate: Toluene-d8	500		ug/L	504		99.2	86-114			
Surrogate: Toluene-d8	500		ug/L	504		99.2	86-114			
Surrogate: Toluene-d8	500		ug/L	504		99.2	82-121			
Surrogate: 4-Bromofluorobenzene	503		ug/L	501		100	78-121			
Surrogate: 4-Bromofluorobenzene	503		ug/L	501		100	78-121			
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	
Acrolein	364.6	100	ug/L	504	ND	72.4	22-138	11.1	30	
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	
Acrylonitrile	419.4	50.0	ug/L	502	ND	83.5	38-147	12.5	30	
Acrylonitrile	419.4	50.0	ug/L	502	ND	83.5	38-147	12.5	30	
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	
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	

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CERTIFICATE OF ANALYSIS

1IC0851

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-MSD1)	Source: 1IC0851-01			Prepared: 03/19/25 00:00 Analyzed: 03/20/25 00:52						
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	57-134			
Surrogate: Dibromofluoromethane	412		ug/L	502		82.1	75-136			
Surrogate: 1,2-Dichloroethane-d4	414		ug/L	501		82.8	53-140			
Surrogate: 1,2-Dichloroethane-d4	414		ug/L	501		82.8	53-140			
Surrogate: 1,2-Dichloroethane-d4	414		ug/L	501		82.8	61-142			
Surrogate: Toluene-d8	507		ug/L	504		101	86-114			
Surrogate: Toluene-d8	507		ug/L	504		101	86-114			
Surrogate: Toluene-d8	507		ug/L	504		101	82-121			
Surrogate: 4-Bromofluorobenzene	486		ug/L	501		96.9	78-121			
Surrogate: 4-Bromofluorobenzene	486		ug/L	501		96.9	78-121			
Surrogate: 4-Bromofluorobenzene	486		ug/L	501		96.9	80-116			
Matrix Spike Dup (1IC1002-MSD2)	Source: 1IC0851-21			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	
Acrolein	399.8	100	ug/L	504	ND	79.4	22-138	3.75	30	
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	
Acrylonitrile	491.3	50.0	ug/L	502	ND	97.9	38-147	1.76	30	
Acrylonitrile	491.3	50.0	ug/L	502	ND	97.9	38-147	1.76	30	
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	

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CERTIFICATE OF ANALYSIS

1IC0851

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						
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	
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	57-134			
Surrogate: Dibromofluoromethane	470		ug/L	502		93.6	75-136			
Surrogate: 1,2-Dichloroethane-d4	462		ug/L	501		92.3	53-140			
Surrogate: 1,2-Dichloroethane-d4	462		ug/L	501		92.3	53-140			
Surrogate: 1,2-Dichloroethane-d4	462		ug/L	501		92.3	61-142			
Surrogate: Toluene-d8	495		ug/L	504		98.2	86-114			
Surrogate: Toluene-d8	495		ug/L	504		98.2	86-114			
Surrogate: Toluene-d8	495		ug/L	504		98.2	82-121			
Surrogate: 4-Bromofluorobenzene	497		ug/L	501		99.1	78-121			
Surrogate: 4-Bromofluorobenzene	497		ug/L	501		99.1	78-121			
Surrogate: 4-Bromofluorobenzene	497		ug/L	501		99.1	80-116			

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CERTIFICATE OF ANALYSIS

1IC0851

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1200 - EPA 5030B - EPA 8260D										
Blank (1IC1200-BLK1) Prepared: 03/24/25 00:00 Analyzed: 03/24/25 15:06										
Allyl chloride	<1.0	1.0	ug/L							
Chloroprene	<1.0	1.0	ug/L							
Methacrylonitrile	<1.0	1.0	ug/L							
Methyl Methacrylate	<1.0	1.0	ug/L							
Propionitrile	<10.0	10.0	ug/L							
Surrogate: Dibromofluoromethane	54.6		ug/L	50.2		109	57-134			
Surrogate: 1,2-Dichloroethane-d4	50.9		ug/L	50.1		102	53-140			
Surrogate: Toluene-d8	50.0		ug/L	50.4		99.3	86-114			
Surrogate: 4-Bromofluorobenzene	47.5		ug/L	50.1		94.8	78-121			
LCS (1IC1200-BS1) Prepared: 03/24/25 00:00 Analyzed: 03/24/25 13:45										
Allyl chloride	58.92	1.0	ug/L	50.0		118	40-154			
Chloroprene	57.29	1.0	ug/L	50.0		115	57-134			
Methacrylonitrile	52.85	1.0	ug/L	50.0		106	59-124			
Methyl Methacrylate	49.26	1.0	ug/L	50.0		98.5	64-130			
Propionitrile	57.84	10.0	ug/L	50.0		116	32-180			
Surrogate: Dibromofluoromethane	52.9		ug/L	50.2		105	57-134			
Surrogate: 1,2-Dichloroethane-d4	50.7		ug/L	50.1		101	53-140			
Surrogate: Toluene-d8	49.3		ug/L	50.4		97.8	86-114			
Surrogate: 4-Bromofluorobenzene	49.3		ug/L	50.1		98.3	78-121			
LCS Dup (1IC1200-BSD1) Prepared: 03/24/25 00:00 Analyzed: 03/24/25 14:08										
Allyl chloride	57.53	1.0	ug/L	50.0		115	40-154	2.39	16	
Chloroprene	54.49	1.0	ug/L	50.0		109	57-134	5.01	15	
Methacrylonitrile	48.49	1.0	ug/L	50.0		97.0	59-124	8.60	17	
Methyl Methacrylate	46.60	1.0	ug/L	50.0		93.2	64-130	5.55	17	
Propionitrile	52.83	10.0	ug/L	50.0		106	32-180	9.05	21	
Surrogate: Dibromofluoromethane	52.5		ug/L	50.2		105	57-134			
Surrogate: 1,2-Dichloroethane-d4	48.9		ug/L	50.1		97.6	53-140			
Surrogate: Toluene-d8	49.4		ug/L	50.4		98.1	86-114			
Surrogate: 4-Bromofluorobenzene	48.6		ug/L	50.1		97.0	78-121			
Matrix Spike (1IC1200-MS1) Source: 1IC0851-21 Prepared: 03/24/25 00:00 Analyzed: 03/25/25 09:18										
Allyl chloride	513.7	10.0	ug/L	500	ND	103	60-140			
Chloroprene	448.8	10.0	ug/L	500	ND	89.8	62-121			
Methacrylonitrile	534.2	10.0	ug/L	500	ND	107	60-140			
Methyl Methacrylate	491.7	10.0	ug/L	500	ND	98.3	60-140			
Propionitrile	552.8	100	ug/L	500	ND	111	60-140			
Surrogate: Dibromofluoromethane	521		ug/L	502		104	57-134			
Surrogate: 1,2-Dichloroethane-d4	510		ug/L	501		102	53-140			
Surrogate: Toluene-d8	495		ug/L	504		98.3	86-114			
Surrogate: 4-Bromofluorobenzene	492		ug/L	501		98.2	78-121			
Matrix Spike Dup (1IC1200-MSD1) Source: 1IC0851-21 Prepared: 03/24/25 00:00 Analyzed: 03/25/25 10:47										

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CERTIFICATE OF ANALYSIS

1IC0851

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1200 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IC1200-MSD1)	Source: 1IC0851-21			Prepared: 03/24/25 00:00 Analyzed: 03/25/25 10:47						
Allyl chloride	551.3	10.0	ug/L	500	ND	110	60-140	7.06	30	
Chloroprene	521.9	10.0	ug/L	500	ND	104	62-121	15.1	30	
Methacrylonitrile	469.7	10.0	ug/L	500	ND	93.9	60-140	12.8	30	
Methyl Methacrylate	496.6	10.0	ug/L	500	ND	99.3	60-140	0.992	30	
Propionitrile	520.9	100	ug/L	500	ND	104	60-140	5.94	30	

Surrogate: Dibromofluoromethane	536		ug/L	502		107	57-134
Surrogate: 1,2-Dichloroethane-d4	508		ug/L	501		102	53-140
Surrogate: Toluene-d8	500		ug/L	504		99.3	86-114
Surrogate: 4-Bromofluorobenzene	508		ug/L	501		101	78-121

Batch 1IC1203 - EPA 5030B - EPA 8260D

Blank (1IC1203-BLK1)	Prepared: 03/24/25 00:00 Analyzed: 03/24/25 16:06									
Dichlorodifluoromethane	<1.0	1.0	ug/L							
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<2.0	2.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Acetonitrile	<10.0	10.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
2,2-Dichloropropane	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<5.0	5.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
1,1-Dichloropropene	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							

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CERTIFICATE OF ANALYSIS

1IC0851

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1203 - EPA 5030B - EPA 8260D										
Blank (1IC1203-BLK1)				Prepared: 03/24/25 00:00 Analyzed: 03/24/25 16:06						
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
Ethyl Methacrylate	<10.0	10.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
1,3-Dichloropropane	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,3-Dichlorobenzene	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	43.5		ug/L	50.2		86.7	57-134			
Surrogate: 1,2-Dichloroethane-d4	39.8		ug/L	50.1		79.4	53-140			
Surrogate: Toluene-d8	46.3		ug/L	50.4		92.0	86-114			
Surrogate: 4-Bromofluorobenzene	46.4		ug/L	50.1		92.6	78-121			
LCS (1IC1203-BS1)				Prepared: 03/24/25 00:00 Analyzed: 03/24/25 14:59						
Dichlorodifluoromethane	27.87	1.0	ug/L	30.3		92.0	49-138			
Chloromethane	30.38	1.0	ug/L	30.3		100	60-141			
Vinyl Chloride	30.53	1.0	ug/L	30.2		101	65-137			
Bromomethane	27.30	1.0	ug/L	30.1		90.6	47-173			
Chloroethane	30.30	1.0	ug/L	30.3		99.9	67-145			
Trichlorofluoromethane	30.99	1.0	ug/L	30.3		102	63-127			
1,1-Dichloroethylene	51.26	1.0	ug/L	50.1		102	69-136			
Acetone	70.30	10.0	ug/L	100		70.3	45-153			
Methyl Iodide	113.8	2.0	ug/L	100		114	58-156			
Carbon Disulfide	99.66	1.0	ug/L	100		99.7	68-128			
Acetonitrile	71.59	10.0	ug/L	100		71.6	35-177			
Methylene Chloride	45.56	5.0	ug/L	50.1		90.9	65-124			
trans-1,2-Dichloroethylene	52.77	1.0	ug/L	50.1		105	74-126			

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CERTIFICATE OF ANALYSIS

1IC0851

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1203 - EPA 5030B - EPA 8260D										
LCS (1IC1203-BS1)				Prepared: 03/24/25 00:00 Analyzed: 03/24/25 14:59						
1,1-Dichloroethane	49.90	1.0	ug/L	50.1		99.6	73-122			
Vinyl Acetate	138.5	5.0	ug/L	140		98.9	24-171			
2,2-Dichloropropane	50.65	1.0	ug/L	50.3		101	68-120			
cis-1,2-Dichloroethylene	49.50	1.0	ug/L	50.4		98.3	65-149			
2-Butanone (MEK)	66.11	5.0	ug/L	100		66.1	57-147			
Bromochloromethane	43.38	1.0	ug/L	50.4		86.1	76-125			
Chloroform	45.63	1.0	ug/L	50.1		91.1	71-125			
1,1,1-Trichloroethane	52.99	1.0	ug/L	50.1		106	66-118			
1,1-Dichloropropene	51.60	1.0	ug/L	50.5		102	69-130			
Carbon Tetrachloride	51.69	1.0	ug/L	50.1		103	68-126			
Benzene	50.69	1.0	ug/L	50.4		101	81-123			
1,2-Dichloroethane	43.74	1.0	ug/L	50.1		87.3	70-130			
Trichloroethylene	52.91	1.0	ug/L	50.1		106	84-118			
1,2-Dichloropropane	49.29	1.0	ug/L	50.1		98.4	87-118			
Dibromomethane	39.24	1.0	ug/L	50.4		77.9	82-126			Q3
Bromodichloromethane	48.65	1.0	ug/L	50.1		97.1	80-116			
cis-1,3-Dichloropropene	40.07	1.0	ug/L	50.1		80.0	83-116			Q3
4-Methyl-2-pentanone (MIBK)	61.45	5.0	ug/L	100		61.4	74-138			Q3
Toluene	52.29	1.0	ug/L	50.5		104	78-123			
trans-1,3-Dichloropropene	37.87	1.0	ug/L	50.1		75.6	75-120			
Ethyl Methacrylate	66.27	10.0	ug/L	100		66.3	77-129			Q3
1,1,2-Trichloroethane	38.95	1.0	ug/L	50.1		77.8	81-121			Q3
Tetrachloroethylene	55.68	1.0	ug/L	50.1		111	76-120			
1,3-Dichloropropane	45.73	1.0	ug/L	50.4		90.7	86-131			
2-Hexanone (MBK)	62.02	5.0	ug/L	100		62.0	76-139			Q3
Dibromochloromethane	46.25	1.0	ug/L	50.1		92.4	83-123			
1,2-Dibromoethane	40.76	1.0	ug/L	50.2		81.2	86-115			Q3
Chlorobenzene	52.07	1.0	ug/L	50.1		104	82-117			
1,1,1,2-Tetrachloroethane	49.46	1.0	ug/L	50.3		98.2	86-119			
Ethylbenzene	57.87	1.0	ug/L	50.2		115	80-122			
Xylenes, total	175.8	2.0	ug/L	151		116	81-122			
Styrene	49.26	1.0	ug/L	50.4		97.8	85-118			
Bromoform	42.45	1.0	ug/L	50.1		84.7	80-123			
1,2,3-Trichloropropane	40.04	1.0	ug/L	50.3		79.5	83-126			Q3
trans-1,4-Dichloro-2-butene	67.53	5.0	ug/L	100		67.5	67-118			
1,1,2,2-Tetrachloroethane	37.50	1.0	ug/L	50.1		74.8	81-124			Q3
1,3-Dichlorobenzene	54.03	1.0	ug/L	50.1		108	83-114			
1,4-Dichlorobenzene	49.71	1.0	ug/L	50.1		99.2	83-117			
1,2-Dichlorobenzene	48.33	1.0	ug/L	50.1		96.5	83-116			
1,2-Dibromo-3-chloropropane	28.56	1.0	ug/L	50.1		57.0	77-128			Q3
1,2,4-Trichlorobenzene	38.27	1.0	ug/L	50.4		76.0	66-134			
Surrogate: Dibromofluoromethane	47.3		ug/L	50.2		94.2	57-134			

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CERTIFICATE OF ANALYSIS

1IC0851

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1203 - EPA 5030B - EPA 8260D										
LCS (1IC1203-BS1)				Prepared: 03/24/25 00:00 Analyzed: 03/24/25 14:59						
Surrogate: 1,2-Dichloroethane-d4	41.7		ug/L	50.1		83.3	53-140			
Surrogate: Toluene-d8	49.4		ug/L	50.4		98.0	86-114			
Surrogate: 4-Bromofluorobenzene	49.2		ug/L	50.1		98.1	78-121			
LCS Dup (1IC1203-BSD1)				Prepared: 03/24/25 00:00 Analyzed: 03/24/25 15:22						
Dichlorodifluoromethane	23.61	1.0	ug/L	30.3		78.0	49-138	16.6	22	R1
Chloromethane	24.69	1.0	ug/L	30.3		81.4	60-141	20.7	30	
Vinyl Chloride	26.81	1.0	ug/L	30.2		88.6	65-137	13.0	20	
Bromomethane	24.59	1.0	ug/L	30.1		81.6	47-173	10.4	17	
Chloroethane	26.51	1.0	ug/L	30.3		87.4	67-145	13.3	30	R1
Trichlorofluoromethane	26.85	1.0	ug/L	30.3		88.6	63-127	14.3	15	
1,1-Dichloroethylene	45.25	1.0	ug/L	50.1		90.3	69-136	12.5	30	
Acetone	91.22	10.0	ug/L	100		91.2	45-153	25.9	23	
Methyl Iodide	103.2	2.0	ug/L	100		103	58-156	9.76	17	R1
Carbon Disulfide	88.80	1.0	ug/L	100		88.8	68-128	11.5	30	
Acetonitrile	88.22	10.0	ug/L	100		88.2	35-177	20.8	30	
Methylene Chloride	44.78	5.0	ug/L	50.1		89.4	65-124	1.73	30	
trans-1,2-Dichloroethylene	47.40	1.0	ug/L	50.1		94.6	74-126	10.7	30	R1
1,1-Dichloroethane	46.91	1.0	ug/L	50.1		93.6	73-122	6.18	30	
Vinyl Acetate	156.8	5.0	ug/L	140		112	24-171	12.4	30	
2,2-Dichloropropane	46.80	1.0	ug/L	50.3		93.0	68-120	7.90	14	
cis-1,2-Dichloroethylene	46.55	1.0	ug/L	50.4		92.5	65-149	6.14	30	R1
2-Butanone (MEK)	89.39	5.0	ug/L	100		89.4	57-147	29.9	18	
Bromochloromethane	45.77	1.0	ug/L	50.4		90.8	76-125	5.36	30	
Chloroform	44.78	1.0	ug/L	50.1		89.4	71-125	1.88	30	
1,1,1-Trichloroethane	48.80	1.0	ug/L	50.1		97.4	66-118	8.23	30	R1
1,1-Dichloropropene	48.44	1.0	ug/L	50.5		96.0	69-130	6.32	30	
Carbon Tetrachloride	47.80	1.0	ug/L	50.1		95.4	68-126	7.82	13	
Benzene	48.24	1.0	ug/L	50.4		95.6	81-123	4.95	30	
1,2-Dichloroethane	47.91	1.0	ug/L	50.1		95.7	70-130	9.10	30	R1
Trichloroethylene	49.66	1.0	ug/L	50.1		99.1	84-118	6.34	30	
1,2-Dichloropropane	50.06	1.0	ug/L	50.1		99.9	87-118	1.55	30	
Dibromomethane	45.03	1.0	ug/L	50.4		89.4	82-126	13.7	30	
Bromodichloromethane	50.19	1.0	ug/L	50.1		100	80-116	3.12	30	R1
cis-1,3-Dichloropropene	43.60	1.0	ug/L	50.1		87.1	83-116	8.44	30	
4-Methyl-2-pentanone (MIBK)	81.73	5.0	ug/L	100		81.7	74-138	28.3	30	
Toluene	48.95	1.0	ug/L	50.5		97.0	78-123	6.60	30	
trans-1,3-Dichloropropene	42.18	1.0	ug/L	50.1		84.2	75-120	10.8	30	R1
Ethyl Methacrylate	84.69	10.0	ug/L	100		84.7	77-129	24.4	30	
1,1,2-Trichloroethane	45.77	1.0	ug/L	50.1		91.4	81-121	16.1	30	
Tetrachloroethylene	50.19	1.0	ug/L	50.1		100	76-120	10.4	30	
1,3-Dichloropropane	50.12	1.0	ug/L	50.4		99.4	86-131	9.16	30	R1
2-Hexanone (MBK)	80.45	5.0	ug/L	100		80.4	76-139	25.9	15	

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CERTIFICATE OF ANALYSIS

1IC0851

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1203 - EPA 5030B - EPA 8260D										
LCS Dup (1IC1203-BSD1)				Prepared: 03/24/25 00:00 Analyzed: 03/24/25 15:22						
Dibromochloromethane	50.44	1.0	ug/L	50.1		101	83-123	8.67	15	
1,2-Dibromoethane	46.01	1.0	ug/L	50.2		91.6	86-115	12.1	30	
Chlorobenzene	48.82	1.0	ug/L	50.1		97.5	82-117	6.44	30	
1,1,1,2-Tetrachloroethane	48.78	1.0	ug/L	50.3		96.9	86-119	1.38	30	
Ethylbenzene	50.79	1.0	ug/L	50.2		101	80-122	13.0	30	
Xylenes, total	156.1	2.0	ug/L	151		103	81-122	11.9	30	
Styrene	46.27	1.0	ug/L	50.4		91.9	85-118	6.26	30	
Bromoform	48.51	1.0	ug/L	50.1		96.8	80-123	13.3	30	
1,2,3-Trichloropropane	47.58	1.0	ug/L	50.3		94.5	83-126	17.2	30	
trans-1,4-Dichloro-2-butene	84.98	5.0	ug/L	100		85.0	67-118	22.9	10	R1
1,1,1,2-Tetrachloroethane	45.68	1.0	ug/L	50.1		91.2	81-124	19.7	30	
1,3-Dichlorobenzene	49.05	1.0	ug/L	50.1		97.9	83-114	9.66	30	
1,4-Dichlorobenzene	46.43	1.0	ug/L	50.1		92.6	83-117	6.82	30	
1,2-Dichlorobenzene	50.56	1.0	ug/L	50.1		101	83-116	4.51	30	
1,2-Dibromo-3-chloropropane	40.51	1.0	ug/L	50.1		80.8	77-128	34.6	30	R1
1,2,4-Trichlorobenzene	49.47	1.0	ug/L	50.4		98.2	66-134	25.5	30	
Surrogate: Dibromofluoromethane	48.9		ug/L	50.2		97.4	57-134			
Surrogate: 1,2-Dichloroethane-d4	47.6		ug/L	50.1		95.1	53-140			
Surrogate: Toluene-d8	50.2		ug/L	50.4		99.6	86-114			
Surrogate: 4-Bromofluorobenzene	50.2		ug/L	50.1		100	78-121			
Matrix Spike (1IC1203-MS1)				Source: 1IC0851-01 Prepared: 03/24/25 00:00 Analyzed: 03/25/25 02:08						
Dichlorodifluoromethane	259.3	10.0	ug/L	303	ND	85.6	37-140			
Chloromethane	276.7	10.0	ug/L	303	ND	91.3	47-147			
Vinyl Chloride	280.1	10.0	ug/L	302	ND	92.6	55-142			
Bromomethane	262.9	10.0	ug/L	301	ND	87.3	34-160			
Chloroethane	282.3	10.0	ug/L	303	ND	93.1	54-154			
Trichlorofluoromethane	297.9	10.0	ug/L	303	ND	98.3	49-131			
1,1-Dichloroethylene	501.6	10.0	ug/L	501	ND	100	57-143			
Acetone	1118	100	ug/L	1000	ND	112	27-173			
Methyl Iodide	1102	20.0	ug/L	1000	ND	110	39-157			
Carbon Disulfide	973.6	10.0	ug/L	1000	ND	97.4	53-136			
Acetonitrile	994.8	100	ug/L	1000	ND	99.5	11-189			
Methylene Chloride	492.8	50.0	ug/L	501	ND	98.4	57-128			
trans-1,2-Dichloroethylene	540.3	10.0	ug/L	501	ND	108	61-135			
1,1-Dichloroethane	520.6	10.0	ug/L	501	ND	104	60-131			
Vinyl Acetate	1761	50.0	ug/L	1400	ND	126	24-163			
2,2-Dichloropropane	448.5	10.0	ug/L	503	ND	89.1	37-112			
cis-1,2-Dichloroethylene	520.1	10.0	ug/L	504	ND	103	47-162			
2-Butanone (MEK)	1066	50.0	ug/L	1000	ND	107	45-156			
Bromochloromethane	525.2	10.0	ug/L	504	ND	104	55-132			
Chloroform	503.2	10.0	ug/L	501	ND	100	45-142			
1,1,1-Trichloroethane	558.7	10.0	ug/L	501	ND	111	52-128			

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1203 - EPA 5030B - EPA 8260D										
Matrix Spike (1IC1203-MS1)	Source: 1IC0851-01			Prepared: 03/24/25 00:00 Analyzed: 03/25/25 02:08						
1,1-Dichloropropene	526.5	10.0	ug/L	505	ND	104	49-138			
Carbon Tetrachloride	549.5	10.0	ug/L	501	ND	110	56-132			
Benzene	517.9	10.0	ug/L	504	ND	103	77-124			
1,2-Dichloroethane	538.6	10.0	ug/L	501	ND	108	67-130			
Trichloroethylene	533.3	10.0	ug/L	501	ND	106	75-123			
1,2-Dichloropropane	541.7	10.0	ug/L	501	ND	108	75-126			
Dibromomethane	493.3	10.0	ug/L	504	ND	97.9	72-131			
Bromodichloromethane	561.2	10.0	ug/L	501	ND	112	70-123			
cis-1,3-Dichloropropene	427.1	10.0	ug/L	501	ND	85.3	68-119			
4-Methyl-2-pentanone (MIBK)	930.8	50.0	ug/L	1000	ND	93.1	57-153			
Toluene	520.4	10.0	ug/L	505	ND	103	63-131			
trans-1,3-Dichloropropene	453.6	10.0	ug/L	501	ND	90.6	65-121			
Ethyl Methacrylate	933.8	100	ug/L	1000	ND	93.4	62-137			
1,1,2-Trichloroethane	514.7	10.0	ug/L	501	ND	103	76-124			
Tetrachloroethylene	514.4	10.0	ug/L	501	ND	103	77-117			
1,3-Dichloropropane	557.0	10.0	ug/L	504	ND	110	81-132			
2-Hexanone (MBK)	809.8	50.0	ug/L	1000	ND	81.0	63-152			
Dibromochloromethane	540.1	10.0	ug/L	501	ND	108	77-124			
1,2-Dibromoethane	494.9	10.0	ug/L	502	ND	98.5	82-117			
Chlorobenzene	497.6	10.0	ug/L	501	ND	99.4	82-114			
1,1,1,2-Tetrachloroethane	519.5	10.0	ug/L	503	ND	103	82-118			
Ethylbenzene	538.9	10.0	ug/L	502	ND	107	80-119			
Xylenes, total	1632	20.0	ug/L	1510	ND	108	81-119			
Styrene	490.7	10.0	ug/L	504	ND	97.4	81-119			
Bromoform	521.4	10.0	ug/L	501	ND	104	74-122			
1,2,3-Trichloropropane	533.8	10.0	ug/L	503	ND	106	72-138			
trans-1,4-Dichloro-2-butene	879.3	50.0	ug/L	1000	ND	87.9	56-116			
1,1,2,2-Tetrachloroethane	487.2	10.0	ug/L	501	ND	97.2	78-126			
1,3-Dichlorobenzene	501.2	10.0	ug/L	501	ND	100	81-113			
1,4-Dichlorobenzene	487.9	10.0	ug/L	501	ND	97.3	81-116			
1,2-Dichlorobenzene	541.0	10.0	ug/L	501	ND	108	81-116			
1,2-Dibromo-3-chloropropane	444.4	10.0	ug/L	501	ND	88.7	63-138			
1,2,4-Trichlorobenzene	506.3	10.0	ug/L	504	ND	101	65-132			
Surrogate: Dibromofluoromethane	530		ug/L	502		106	57-134			
Surrogate: 1,2-Dichloroethane-d4	545		ug/L	501		109	53-140			
Surrogate: Toluene-d8	510		ug/L	504		101	86-114			
Surrogate: 4-Bromofluorobenzene	509		ug/L	501		102	78-121			
Determination of General Solvents	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1088 - Semi-Vol GC - EPA 8015C										



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CERTIFICATE OF ANALYSIS

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Determination of General Solvents	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1088 - Semi-Vol GC - EPA 8015C										
Blank (1IC1088-BLK1)	Prepared: 03/21/25 11:47 Analyzed: 03/22/25 23:21									
Isobutanol	<1.0	1.0	mg/L							
Blank (1IC1088-BLK2)	Prepared: 03/21/25 11:47 Analyzed: 03/23/25 11:24									
Isobutanol	<1.0	1.0	mg/L							
LCS (1IC1088-BS1)	Prepared: 03/21/25 11:47 Analyzed: 03/22/25 19:32									
Isobutanol	24.07	1.0	mg/L	24.0		100	77-128			
Matrix Spike (1IC1088-MS1)	Source: 1IC0851-01	Prepared: 03/21/25 11:47 Analyzed: 03/23/25 06:20								
Isobutanol	25.21	1.0	mg/L	24.0	ND	105	63-135			
Matrix Spike Dup (1IC1088-MSD1)	Source: 1IC0851-01	Prepared: 03/21/25 11:47 Analyzed: 03/23/25 06:58								
Isobutanol	25.27	1.0	mg/L	24.0	ND	105	63-135	0.238	30	

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0958 - 3520C BNA Cont Liq - EPA 8270C										
Blank (1IC0958-BLK1)	Prepared: 03/19/25 13:49 Analyzed: 03/24/25 18:16									
N-Nitrosodimethylamine	<8	8	ug/L							
Methyl Methanesulfonate	<8	8	ug/L							
N-Nitrosodiethylamine	<8	8	ug/L							
N-Nitrosomethylethylamine	<8	8	ug/L							
Ethyl Methanesulfonate	<8	8	ug/L							
Phenol	<8	8	ug/L							
Bis(2-Chloroethyl) Ether	<8	8	ug/L							
2-Chlorophenol	<8	8	ug/L							
Benzyl Alcohol	<8	8	ug/L							
2-Methylphenol (o-Cresol)	<8	8	ug/L							
Bis[2-Chloroisopropyl]ether	<8	8	ug/L							
n-Nitroso-di-n-propylamine	<8	8	ug/L							
N-Nitrosopyrrolidine	<8	8	ug/L							
Acetophenone	<8	8	ug/L							
o-Toluidine	<8	8	ug/L							
(3 & 4)-Methylphenol	<8	8	ug/L							
Hexachloroethane	<8	8	ug/L							
Nitrobenzene	<8	8	ug/L							
N-Nitrosopiperidine	<8	8	ug/L							
Isophorone	<8	8	ug/L							
2-Nitrophenol	<8	8	ug/L							
2,4-Dimethylphenol	<8	8	ug/L							
Bis (2-Chloroethoxy) Methane	<8	8	ug/L							
2,4-Dichlorophenol	<8	8	ug/L							
Naphthalene	<8	8	ug/L							
4-Chloroaniline	<8	8	ug/L							

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CERTIFICATE OF ANALYSIS

1IC0851

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0958 - 3520C BNA Cont Liq - EPA 8270C									
Blank (1IC0958-BLK1)				Prepared: 03/19/25 13:49 Analyzed: 03/24/25 18:16					
2,6-Dichlorophenol	<8	8	ug/L						
Hexachloropropene	<8	8	ug/L						
Hexachlorobutadiene	<8	8	ug/L						
N-Nitrosodi-n-butylamine	<8	8	ug/L						
1,4-Phenylenediamine	<8	8	ug/L						
4-Chloro-3-methylphenol	<8	8	ug/L						
2-Methylnaphthalene	<8	8	ug/L						
Isosafrole	<8	8	ug/L						
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L						
Hexachlorocyclopentadiene	<8	8	ug/L						
2,4,6-Trichlorophenol	<8	8	ug/L						
2,4,5-Trichlorophenol	<8	8	ug/L						
Safrole	<8	8	ug/L						
2-Chloronaphthalene	<8	8	ug/L						
2-Nitroaniline	<8	8	ug/L						
1,4-Naphthoquinone	<8	8	ug/L						
Dimethylphthalate	<8	8	ug/L						
1,3-Dinitrobenzene	<8	8	ug/L						
1,2-Dinitrobenzene	<8	8	ug/L						
2,6-Dinitrotoluene	<8	8	ug/L						
Acenaphthylene	<8	8	ug/L						
3-Nitroaniline	<8	8	ug/L						
Acenaphthene	<8	8	ug/L						
2,4-Dinitrophenol	<8	8	ug/L						
4-Nitrophenol	<8	8	ug/L						
Dibenzofuran	<8	8	ug/L						
2,4-Dinitrotoluene	<8	8	ug/L						
2,3,4,6-Tetrachlorophenol	<8	8	ug/L						
Pentachlorobenzene	<8	8	ug/L						
1-Naphthylamine	<8	8	ug/L						
2-Naphthylamine	<8	8	ug/L						
Diethyl Phthalate	<8	8	ug/L						
Fluorene	<8	8	ug/L						
4-Chlorophenyl Phenyl Ether	<8	8	ug/L						
4-Nitroaniline	<8	8	ug/L						
5-Nitro-o-toluidine	<8	8	ug/L						
4,6-Dinitro-2-methylphenol	<8	8	ug/L						
N-Nitrosodiphenylamine	<8	8	ug/L						
Diphenylamine	<8	8	ug/L						
Azobenzene	<8	8	ug/L						
Diallylate	<8	8	ug/L						
1,3,5-Trinitrobenzene	<8	8	ug/L						

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CERTIFICATE OF ANALYSIS

11C0851

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0958 - 3520C BNA Cont Liq - EPA 8270C									
Blank (11C0958-BLK1)									
Prepared: 03/19/25 13:49 Analyzed: 03/24/25 18:16									
Phenacetin	<8	8	ug/L						
4-Bromophenyl Phenyl Ether	<8	8	ug/L						
4-Aminobiphenyl	<8	8	ug/L						
Pentachlorophenol	<8	8	ug/L						
Pronamide	<8	8	ug/L						
Pentachloronitrobenzene (PCNB)	<8	8	ug/L						
Phenanthrene	<8	8	ug/L						
Anthracene	<8	8	ug/L						
Di-n-butyl Phthalate	<8	8	ug/L						
Methapyrilene	<8	8	ug/L						
Fluoranthene	<8	8	ug/L						
Isodrin	<8	8	ug/L						
Chlorobenzilate	<8	8	ug/L						
Pyrene	<8	8	ug/L						
p-(Dimethylamino)azobenzene	<8	8	ug/L						
3,3-Dimethylbenzidine	<8	8	ug/L						
Butyl Benzyl Phthalate	<8	8	ug/L						
Benzo(a)anthracene	<8	8	ug/L						
Chrysene	<8	8	ug/L						
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L						
Kepone	<8	8	ug/L						
3,3'-Dichlorobenzidine	<8	8	ug/L						
2-Acetylaminofluorene	<8	8	ug/L						
Di-n-octyl Phthalate	<8	8	ug/L						
Benzo(b)Fluoranthene	<8	8	ug/L						
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L						
Benzo(k)Fluoranthene	<8	8	ug/L						
Benzo(a)Pyrene	<8	8	ug/L						
3-Methylcholanthrene	<8	8	ug/L						
Dibenzo(a,h)anthracene	<8	8	ug/L						
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L						
Benzo(g,h,i)perylene	<8	8	ug/L						
Surrogate: 2-Fluorophenol	13.1		ug/L	20.6		63.7		10-149	
Surrogate: Phenol-d6	13.6		ug/L	19.6		69.2		10-143	
Surrogate: Nitrobenzene-d5	14.8		ug/L	20.6		71.8		20-149	
Surrogate: 2-Fluorobiphenyl	14.3		ug/L	19.5		73.4		11-146	
Surrogate: 2,4,6-Tribromophenol	16.6		ug/L	20.0		82.8		10-153	
Surrogate: Terphenyl-d14	18.5		ug/L	20.6		89.9		27-155	
LCS (11C0958-BS1)									
Prepared: 03/19/25 13:49 Analyzed: 03/24/25 18:41									
N-Nitrosodimethylamine	<8	8	ug/L	10.0		74.2		22-124	
Methyl Methanesulfonate	<8	8	ug/L	10.0		71.7		25-115	
N-Nitrosodiethylamine	8.1	8	ug/L	10.0		81.0		19-133	

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CERTIFICATE OF ANALYSIS

11C0851

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0958 - 3520C BNA Cont Liq - EPA 8270C									
LCS (11C0958-BS1)				Prepared: 03/19/25 13:49 Analyzed: 03/24/25 18:41					
N-Nitrosomethylethylamine	<8	8	ug/L	10.0		72.7	10-149		
Ethyl Methanesulfonate	<8	8	ug/L	10.0		74.8	29-118		
Phenol	<8	8	ug/L	10.0		63.1	19-130		
Bis(2-Chloroethyl) Ether	<8	8	ug/L	10.0		72.0	23-131		
2-Chlorophenol	<8	8	ug/L	10.0		62.9	20-159		
Benzyl Alcohol	<8	8	ug/L	10.0		34.0	17-138		
2-Methylphenol (o-Cresol)	<8	8	ug/L	10.0		68.3	29-130		
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	10.0		78.1	29-121		
n-Nitroso-di-n-propylamine	8.5	8	ug/L	10.0		84.8	33-130		
N-Nitrosopyrrolidine	<8	8	ug/L	10.0		70.4	24-135		
Acetophenone	8.0	8	ug/L	10.0		79.6	35-129		
o-Toluidine	<8	8	ug/L	10.0		63.3	10-119		
(3 & 4)-Methylphenol	<8	8	ug/L	10.0		67.8	27-136		
Hexachloroethane	<8	8	ug/L	10.0		68.2	18-88		
Nitrobenzene	<8	8	ug/L	10.0		78.0	32-133		
N-Nitrosopiperidine	8.1	8	ug/L	10.0		81.3	24-134		
Isophorone	8.3	8	ug/L	10.0		83.2	37-131		
2-Nitrophenol	<8	8	ug/L	10.0		64.1	41-127		
2,4-Dimethylphenol	<8	8	ug/L	10.0		73.9	34-133		
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	10.0		50.0	29-117		
2,4-Dichlorophenol	<8	8	ug/L	10.0		64.8	41-134		
Naphthalene	<8	8	ug/L	10.0		73.4	31-107		
2,6-Dichlorophenol	<8	8	ug/L	10.0		65.0	21-151		
Hexachloropropene	<8	8	ug/L	10.0		24.4	19-70		
Hexachlorobutadiene	<8	8	ug/L	10.0		56.8	12-100		
N-Nitrosodi-n-butylamine	<8	8	ug/L	10.0		76.5	13-144		
4-Chloro-3-methylphenol	<8	8	ug/L	10.0		70.7	46-141		
2-Methylnaphthalene	<8	8	ug/L	10.0		73.4	35-110		
Isosafrole	<8	8	ug/L	10.0		78.3	38-122		
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L	10.0		66.9	31-102		
Hexachlorocyclopentadiene	<8	8	ug/L	10.0		58.7	10-113		
2,4,6-Trichlorophenol	<8	8	ug/L	10.0		70.1	41-146		
2,4,5-Trichlorophenol	<8	8	ug/L	10.0		74.5	45-149		
Safrole	<8	8	ug/L	10.0		66.1	36-122		
2-Chloronaphthalene	<8	8	ug/L	10.0		73.0	20-146		
2-Nitroaniline	<8	8	ug/L	10.0		60.2	38-149		
1,4-Naphthoquinone	<8	8	ug/L	10.0		77.7	45-170		
Dimethylphthalate	8.8	8	ug/L	10.0		88.0	40-149		
1,3-Dinitrobenzene	8.5	8	ug/L	10.0		85.3	30-171		
1,2-Dinitrobenzene	8.3	8	ug/L	10.0		83.1	35-159		
2,6-Dinitrotoluene	8.6	8	ug/L	10.0		86.5	40-148		
Acenaphthylene	<8	8	ug/L	10.0		62.8	35-128		

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CERTIFICATE OF ANALYSIS

1IC0851

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0958 - 3520C BNA Cont Liq - EPA 8270C									
LCS (1IC0958-BS1)									
				Prepared: 03/19/25 13:49 Analyzed: 03/24/25 18:41					
Acenaphthene	<8	8	ug/L	10.0		76.1 34-132			
2,4-Dinitrophenol	9.1	8	ug/L	10.0		90.6 27-165			
4-Nitrophenol	9.3	8	ug/L	10.0		93.2 35-159			
Dibenzofuran	8.1	8	ug/L	10.0		81.1 37-136			
2,4-Dinitrotoluene	9.2	8	ug/L	10.0		91.7 42-154			
2,3,4,6-Tetrachlorophenol	<8	8	ug/L	10.0		75.3 29-163			
Pentachlorobenzene	<8	8	ug/L	10.0		77.4 53-128			
Diethyl Phthalate	9.0	8	ug/L	10.0		90.5 39-156			
Fluorene	8.1	8	ug/L	10.0		81.1 34-139			
4-Chlorophenyl Phenyl Ether	8.1	8	ug/L	10.0		81.3 39-138			
4,6-Dinitro-2-methylphenol	<8	8	ug/L	10.0		65.7 36-161			
N-Nitrosodiphenylamine	<8	8	ug/L	10.0		15.7 56-108			Q3
Diphenylamine	<8	8	ug/L	10.0		15.7 20-160			Q3
Azobenzene	<8	8	ug/L	10.0		68.4 31-153			
Diallate	8.3	8	ug/L	10.0		83.4 43-167			
1,3,5-Trinitrobenzene	9.1	8	ug/L	10.0		91.0 50-167			
Phenacetin	8.7	8	ug/L	10.0		87.1 55-146			
4-Bromophenyl Phenyl Ether	8.2	8	ug/L	10.0		82.1 31-156			
Pentachlorophenol	8.8	8	ug/L	10.0		88.3 13-159			
Pronamide	<8	8	ug/L	10.0		35.0 53-139			Q3
Pentachloronitrobenzene (PCNB)	8.8	8	ug/L	10.0		88.4 56-165			
Phenanthrene	8.4	8	ug/L	10.0		83.7 35-147			
Anthracene	<8	8	ug/L	10.0		72.7 36-146			
Di-n-butyl Phthalate	8.9	8	ug/L	10.0		89.1 37-164			
Fluoranthene	8.6	8	ug/L	10.0		86.0 38-155			
Isodrin	9.0	8	ug/L	10.0		89.9 34-148			
Chlorobenzilate	<8	8	ug/L	10.0		34.5 60-136			Q3
Pyrene	<8	8	ug/L	10.0		75.9 37-157			
Butyl Benzyl Phthalate	8.3	8	ug/L	10.0		82.9 52-150			
Benzo(a)anthracene	<8	8	ug/L	10.0		78.6 39-149			
Chrysene	8.6	8	ug/L	10.0		86.3 39-149			
Bis(2-Ethylhexyl) Phthalate	11.0	6	ug/L	10.0		110 27-186			
2-Acetylaminofluorene	<8	8	ug/L	10.0		74.0 20-171			
Di-n-octyl Phthalate	9.6	8	ug/L	10.0		95.8 39-171			
Benzo(b)Fluoranthene	8.6	8	ug/L	10.0		85.8 39-165			
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L	10.0		50.6 22-155			
Benzo(k)Fluoranthene	8.7	8	ug/L	10.0		87.0 41-160			
Benzo(a)Pyrene	<8	8	ug/L	10.0		64.7 37-151			
3-Methylcholanthrene	<8	8	ug/L	10.0		26.9 28-140			Q3
Dibenzo(a,h)anthracene	<8	8	ug/L	10.0		77.5 17-178			
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L	10.0		71.9 18-176			
Benzo(g,h,i)perylene	<8	8	ug/L	10.0		67.3 11-179			

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CERTIFICATE OF ANALYSIS

11C0851

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0958 - 3520C BNA Cont Liq - EPA 8270C									
LCS (11C0958-BS1)				Prepared: 03/19/25 13:49 Analyzed: 03/24/25 18:41					
Surrogate: 2-Fluorophenol	12.2		ug/L	20.6		59.2	10-149		
Surrogate: Phenol-d6	12.6		ug/L	19.6		64.5	10-143		
Surrogate: Nitrobenzene-d5	15.8		ug/L	20.6		77.1	31-137		
Surrogate: 2-Fluorobiphenyl	15.7		ug/L	19.5		80.6	29-131		
Surrogate: 2,4,6-Tribromophenol	16.5		ug/L	20.0		82.2	10-153		
Surrogate: Terphenyl-d14	19.8		ug/L	20.6		96.3	30-142		
LCS Dup (11C0958-BSD1)				Prepared: 03/19/25 13:49 Analyzed: 03/24/25 19:06					
N-Nitrosodimethylamine	<8	8	ug/L	10.0		63.7	22-124	15.2	27
Methyl Methanesulfonate	<8	8	ug/L	10.0		70.7	25-115	1.40	16
N-Nitrosodiethylamine	<8	8	ug/L	10.0		70.8	19-133	13.4	30
N-Nitrosomethylethylamine	<8	8	ug/L	10.0		67.2	10-149	7.86	30
Ethyl Methanesulfonate	<8	8	ug/L	10.0		72.7	29-118	2.85	17
Phenol	<8	8	ug/L	10.0		65.3	19-130	3.43	30
Bis(2-Chloroethyl) Ether	<8	8	ug/L	10.0		71.8	23-131	0.278	24
2-Chlorophenol	<8	8	ug/L	10.0		61.0	20-159	3.07	30
Benzyl Alcohol	<8	8	ug/L	10.0		36.6	17-138	7.37	30
2-Methylphenol (o-Cresol)	<8	8	ug/L	10.0		77.4	29-130	12.5	30
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	10.0		71.1	29-121	9.38	26
n-Nitroso-di-n-propylamine	<8	8	ug/L	10.0		75.8	33-130	11.2	21
N-Nitrosopyrrolidine	<8	8	ug/L	10.0		77.4	24-135	9.47	30
Acetophenone	<8	8	ug/L	10.0		76.8	35-129	3.58	22
o-Toluidine	<8	8	ug/L	10.0		71.7	10-119	12.4	30
(3 & 4)-Methylphenol	<8	8	ug/L	10.0		76.9	27-136	12.6	30
Hexachloroethane	<8	8	ug/L	10.0		63.0	18-88	7.93	30
Nitrobenzene	<8	8	ug/L	10.0		76.7	32-133	1.68	26
N-Nitrosopiperidine	<8	8	ug/L	10.0		76.8	24-134	5.69	30
Isophorone	<8	8	ug/L	10.0		77.2	37-131	7.48	28
2-Nitrophenol	<8	8	ug/L	10.0		60.0	41-127	6.61	30
2,4-Dimethylphenol	<8	8	ug/L	10.0		76.5	34-133	3.46	30
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	10.0		72.3	29-117	36.5	30 R1
2,4-Dichlorophenol	<8	8	ug/L	10.0		64.0	41-134	1.24	30
Naphthalene	<8	8	ug/L	10.0		71.5	31-107	2.62	30
2,6-Dichlorophenol	<8	8	ug/L	10.0		60.8	21-151	6.68	30
Hexachloropropene	<8	8	ug/L	10.0		23.5	19-70	3.76	30
Hexachlorobutadiene	<8	8	ug/L	10.0		55.5	12-100	2.32	30
N-Nitrosodi-n-butylamine	<8	8	ug/L	10.0		68.0	13-144	11.8	30
4-Chloro-3-methylphenol	<8	8	ug/L	10.0		75.7	46-141	6.83	30
2-Methylnaphthalene	<8	8	ug/L	10.0		72.6	35-110	1.10	30
Isosafrole	<8	8	ug/L	10.0		77.8	38-122	0.641	29
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L	10.0		67.6	31-102	1.04	30
Hexachlorocyclopentadiene	<8	8	ug/L	10.0		62.4	10-113	6.11	30
2,4,6-Trichlorophenol	<8	8	ug/L	10.0		65.8	41-146	6.33	30

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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0958 - 3520C BNA Cont Liq - EPA 8270C										
LCS Dup (1IC0958-BSD1)				Prepared: 03/19/25 13:49 Analyzed: 03/24/25 19:06						
2,4,5-Trichlorophenol	<8	8	ug/L	10.0		67.4	45-149	10.0	30	
Safrole	<8	8	ug/L	10.0		77.3	36-122	15.6	30	
2-Chloronaphthalene	<8	8	ug/L	10.0		74.7	20-146	2.30	30	
2-Nitroaniline	<8	8	ug/L	10.0		74.1	38-149	20.7	30	
1,4-Naphthoquinone	<8	8	ug/L	10.0		70.2	45-170	10.1	30	
Dimethylphthalate	8.4	8	ug/L	10.0		84.0	40-149	4.65	23	
1,3-Dinitrobenzene	8.4	8	ug/L	10.0		84.4	30-171	1.06	26	
1,2-Dinitrobenzene	8.3	8	ug/L	10.0		82.6	35-159	0.604	26	
2,6-Dinitrotoluene	8.5	8	ug/L	10.0		84.9	40-148	1.87	30	
Acenaphthylene	<8	8	ug/L	10.0		75.0	35-128	17.7	30	
Acenaphthene	<8	8	ug/L	10.0		76.7	34-132	0.785	30	
2,4-Dinitrophenol	<8	8	ug/L	10.0		76.0	27-165	17.5	30	
4-Nitrophenol	<8	8	ug/L	10.0		64.9	35-159	35.8	30	R1
Dibenzofuran	<8	8	ug/L	10.0		79.1	37-136	2.50	30	
2,4-Dinitrotoluene	8.6	8	ug/L	10.0		86.1	42-154	6.30	30	
2,3,4,6-Tetrachlorophenol	<8	8	ug/L	10.0		69.4	29-163	8.15	30	
Pentachlorobenzene	<8	8	ug/L	10.0		78.1	53-128	0.900	30	
Diethyl Phthalate	8.8	8	ug/L	10.0		88.1	39-156	2.69	30	
Fluorene	<8	8	ug/L	10.0		79.2	34-139	2.37	30	
4-Chlorophenyl Phenyl Ether	<8	8	ug/L	10.0		79.0	39-138	2.87	30	
4,6-Dinitro-2-methylphenol	<8	8	ug/L	10.0		59.7	36-161	9.57	30	
N-Nitrosodiphenylamine	<8	8	ug/L	10.0		44.4	56-108	95.5	30	Q3
Diphenylamine	<8	8	ug/L	10.0		44.4	20-160	95.5	30	Q3
Azobenzene	<8	8	ug/L	10.0		70.2	31-153	2.60	30	
Diallate	8.8	8	ug/L	10.0		88.5	43-167	5.93	30	
1,3,5-Trinitrobenzene	9.1	8	ug/L	10.0		91.3	50-167	0.329	30	
Phenacetin	9.4	8	ug/L	10.0		93.8	55-146	7.41	24	
4-Bromophenyl Phenyl Ether	8.0	8	ug/L	10.0		80.5	31-156	1.97	30	
Pentachlorophenol	8.3	8	ug/L	10.0		83.1	13-159	6.07	30	
Pronamide	<8	8	ug/L	10.0		70.6	53-139	67.4	30	R1
Pentachloronitrobenzene (PCNB)	8.8	8	ug/L	10.0		87.9	56-165	0.567	30	
Phenanthrene	8.4	8	ug/L	10.0		84.1	35-147	0.477	30	
Anthracene	<8	8	ug/L	10.0		76.9	36-146	5.61	30	
Di-n-butyl Phthalate	8.7	8	ug/L	10.0		87.4	37-164	1.93	30	
Fluoranthene	8.8	8	ug/L	10.0		87.9	38-155	2.19	30	
Isodrin	8.4	8	ug/L	10.0		83.7	34-148	7.14	30	
Chlorobenzilate	8.2	8	ug/L	10.0		81.6	60-136	81.1	30	R1
Pyrene	8.3	8	ug/L	10.0		82.6	37-157	8.45	30	
Butyl Benzyl Phthalate	8.4	8	ug/L	10.0		83.8	52-150	1.08	30	
Benzo(a)anthracene	8.2	8	ug/L	10.0		81.8	39-149	3.99	30	
Chrysene	8.6	8	ug/L	10.0		85.5	39-149	0.931	30	
Bis(2-Ethylhexyl) Phthalate	11.1	6	ug/L	10.0		111	27-186	1.36	30	

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CERTIFICATE OF ANALYSIS

11C0851

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0958 - 3520C BNA Cont Liq - EPA 8270C									
LCS Dup (11C0958-BSD1)				Prepared: 03/19/25 13:49 Analyzed: 03/24/25 19:06					
2-Acetylaminofluorene	9.4	8	ug/L	10.0		94.5	20-171	24.3	30
Di-n-octyl Phthalate	9.5	8	ug/L	10.0		94.7	39-171	1.15	30
Benzo(b)Fluoranthene	9.4	8	ug/L	10.0		93.5	39-165	8.59	30
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L	10.0		64.7	22-155	24.5	30
Benzo(k)Fluoranthene	9.4	8	ug/L	10.0		94.3	41-160	8.05	30
Benzo(a)Pyrene	8.5	8	ug/L	10.0		85.0	37-151	27.1	30
3-Methylcholanthrene	<8	8	ug/L	10.0		51.0	28-140	61.9	30 R1
Dibenzo(a,h)anthracene	9.4	8	ug/L	10.0		94.3	17-178	19.6	30
Indeno(1,2,3-cd)Pyrene	9.5	8	ug/L	10.0		95.4	18-176	28.1	30
Benzo(g,h,i)perylene	9.5	8	ug/L	10.0		95.0	11-179	34.1	30 R1
Surrogate: 2-Fluorophenol	10.9		ug/L	20.6		52.7	10-149		
Surrogate: Phenol-d6	13.5		ug/L	19.6		68.8	10-143		
Surrogate: Nitrobenzene-d5	15.3		ug/L	20.6		74.4	31-137		
Surrogate: 2-Fluorobiphenyl	15.2		ug/L	19.5		78.0	29-131		
Surrogate: 2,4,6-Tribromophenol	15.5		ug/L	20.0		77.2	10-153		
Surrogate: Terphenyl-d14	18.2		ug/L	20.6		88.3	30-142		
Reference (11C0958-SRM1)				Prepared: 03/19/25 13:49 Analyzed: 03/24/25 19:30					
N-Nitrosodimethylamine	9.2	8	ug/L	10.0		92.5	80-120		
Methyl Methanesulfonate	9.2	8	ug/L	10.0		92.2	80-120		
N-Nitrosodiethylamine	9.2	8	ug/L	10.0		92.1	80-120		
N-Nitrosomethylethylamine	8.9	8	ug/L	10.0		88.6	80-120		
Ethyl Methanesulfonate	9.5	8	ug/L	10.0		95.2	80-120		
Phenol	9.1	8	ug/L	10.0		91.1	80-120		
Bis(2-Chloroethyl) Ether	9.2	8	ug/L	10.0		92.3	80-120		
2-Chlorophenol	9.3	8	ug/L	10.0		92.9	80-120		
2-Methylphenol (o-Cresol)	9.0	8	ug/L	10.0		89.8	80-120		
Bis[2-Chloroisopropyl]ether	9.2	8	ug/L	10.0		92.3	80-120		
n-Nitroso-di-n-propylamine	9.3	8	ug/L	10.0		92.9	80-120		
N-Nitrosopyrrolidine	9.2	8	ug/L	10.0		92.5	80-120		
Acetophenone	9.4	8	ug/L	10.0		94.0	80-120		
o-Toluidine	8.3	8	ug/L	10.0		83.0	80-120		
(3 & 4)-Methylphenol	8.9	8	ug/L	10.0		88.9	80-120		
Hexachloroethane	9.2	8	ug/L	10.0		91.8	80-120		
Nitrobenzene	11.2	8	ug/L	10.0		112	80-120		
N-Nitrosopiperidine	9.6	8	ug/L	10.0		95.6	80-120		
Isophorone	9.9	8	ug/L	10.0		99.1	80-120		
2-Nitrophenol	10.0	8	ug/L	10.0		99.8	80-120		
2,4-Dimethylphenol	9.4	8	ug/L	10.0		94.1	80-120		
Bis (2-Chloroethoxy) Methane	9.8	8	ug/L	10.0		97.8	80-120		
2,4-Dichlorophenol	9.8	8	ug/L	10.0		98.0	80-120		
Naphthalene	9.8	8	ug/L	10.0		97.5	80-120		
2,6-Dichlorophenol	9.9	8	ug/L	10.0		99.1	80-120		

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CERTIFICATE OF ANALYSIS

11C0851

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0958 - 3520C BNA Cont Liq - EPA 8270C									
Reference (11C0958-SRM1)	Prepared: 03/19/25 13:49 Analyzed: 03/24/25 19:30								
Hexachloropropene	10.1	8	ug/L	10.0		101	80-120		
Hexachlorobutadiene	9.8	8	ug/L	10.0		98.2	80-120		
N-Nitrosodi-n-butylamine	8.3	8	ug/L	10.0		83.3	80-120		
4-Chloro-3-methylphenol	8.2	8	ug/L	10.0		81.8	80-120		
2-Methylnaphthalene	9.9	8	ug/L	10.0		99.2	80-120		
Isosafrole	9.5	8	ug/L	10.0		95.2	80-120		
1,2,4,5-Tetrachlorobenzene	9.4	8	ug/L	10.0		94.2	80-120		
Hexachlorocyclopentadiene	10.4	8	ug/L	10.0		104	80-120		
2,4,6-Trichlorophenol	9.4	8	ug/L	10.0		93.5	80-120		
2,4,5-Trichlorophenol	9.3	8	ug/L	10.0		93.3	80-120		
Safrole	9.5	8	ug/L	10.0		95.0	80-120		
2-Chloronaphthalene	9.3	8	ug/L	10.0		92.8	80-120		
2-Nitroaniline	9.3	8	ug/L	10.0		93.0	80-120		
1,4-Naphthoquinone	11.1	8	ug/L	10.0		111	80-120		
Dimethylphthalate	9.2	8	ug/L	10.0		92.2	80-120		
1,3-Dinitrobenzene	9.6	8	ug/L	10.0		96.0	80-120		
1,2-Dinitrobenzene	9.2	8	ug/L	10.0		92.4	80-120		
2,6-Dinitrotoluene	9.3	8	ug/L	10.0		93.3	80-120		
Acenaphthylene	9.3	8	ug/L	10.0		92.6	80-120		
3-Nitroaniline	<8	8	ug/L	10.0		73.0	80-120		M2
Acenaphthene	9.4	8	ug/L	10.0		93.9	80-120		
2,4-Dinitrophenol	10.7	8	ug/L	10.0		107	80-120		
4-Nitrophenol	<8	8	ug/L	10.0		79.2	80-120		M2
Dibenzofuran	9.4	8	ug/L	10.0		93.8	80-120		
2,4-Dinitrotoluene	9.5	8	ug/L	10.0		95.2	80-120		
2,3,4,6-Tetrachlorophenol	8.6	8	ug/L	10.0		85.5	80-120		
Pentachlorobenzene	9.5	8	ug/L	10.0		95.0	80-120		
Diethyl Phthalate	9.3	8	ug/L	10.0		93.4	80-120		
Fluorene	9.3	8	ug/L	10.0		93.3	80-120		
4-Chlorophenyl Phenyl Ether	9.3	8	ug/L	10.0		93.4	80-120		
4-Nitroaniline	8.8	8	ug/L	10.0		87.5	80-120		
5-Nitro-o-toluidine	8.3	8	ug/L	10.0		83.3	80-120		
4,6-Dinitro-2-methylphenol	9.2	8	ug/L	10.0		91.7	80-120		
N-Nitrosodiphenylamine	9.3	8	ug/L	10.0		92.6	80-120		
Diphenylamine	9.3	8	ug/L	10.0		92.6	80-120		
Azobenzene	9.5	8	ug/L	10.0		94.9	80-120		
Diallate	9.7	8	ug/L	10.0		96.8	80-120		
1,3,5-Trinitrobenzene	10.0	8	ug/L	10.0		99.5	80-120		
Phenacetin	9.7	8	ug/L	10.0		97.1	80-120		
4-Bromophenyl Phenyl Ether	9.2	8	ug/L	10.0		91.6	80-120		
Pentachlorophenol	8.6	8	ug/L	10.0		86.2	80-120		
Pronamide	9.4	8	ug/L	10.0		94.4	80-120		

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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 11C0958 - 3520C BNA Cont Liq - EPA 8270C									
Reference (11C0958-SRM1)				Prepared: 03/19/25 13:49 Analyzed: 03/24/25 19:30					
Pentachloronitrobenzene (PCNB)	9.5	8	ug/L	10.0		95.3	80-120		
Phenanthrene	9.3	8	ug/L	10.0		92.7	80-120		
Anthracene	9.2	8	ug/L	10.0		92.3	80-120		
Di-n-butyl Phthalate	9.2	8	ug/L	10.0		91.7	80-120		
Fluoranthene	9.4	8	ug/L	10.0		93.8	80-120		
Isodrin	9.3	8	ug/L	10.0		92.9	80-120		
Chlorobenzilate	9.6	8	ug/L	10.0		96.1	80-120		
Pyrene	9.3	8	ug/L	10.0		93.1	80-120		
Butyl Benzyl Phthalate	9.3	8	ug/L	10.0		92.6	80-120		
Benzo(a)anthracene	9.1	8	ug/L	10.0		91.4	80-120		
Chrysene	9.3	8	ug/L	10.0		92.8	80-120		
Bis(2-Ethylhexyl) Phthalate	9.0	6	ug/L	10.0		89.7	80-120		
2-Acetylaminofluorene	9.5	8	ug/L	10.0		95.0	80-120		
Di-n-octyl Phthalate	9.5	8	ug/L	10.0		95.2	80-120		
Benzo(b)Fluoranthene	9.2	8	ug/L	10.0		91.7	80-120		
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L	10.0			80-120		M2
Benzo(k)Fluoranthene	9.6	8	ug/L	10.0		95.7	80-120		
Benzo(a)Pyrene	9.5	8	ug/L	10.0		95.4	80-120		
3-Methylcholanthrene	8.8	8	ug/L	10.0		88.1	80-120		
Dibenzo(a,h)anthracene	9.4	8	ug/L	10.0		94.4	80-120		
Indeno(1,2,3-cd)Pyrene	9.5	8	ug/L	10.0		95.1	80-120		
Benzo(g,h,i)perylene	9.5	8	ug/L	10.0		95.3	80-120		
Surrogate: 2-Fluorophenol	19.7		ug/L	20.6		95.5	10-149		
Surrogate: Phenol-d6	18.1		ug/L	19.6		92.5	10-143		
Surrogate: Nitrobenzene-d5	20.4		ug/L	20.6		99.3	20-149		
Surrogate: 2-Fluorobiphenyl	18.8		ug/L	19.5		96.2	11-146		
Surrogate: 2,4,6-Tribromophenol	19.9		ug/L	20.0		99.1	10-153		
Surrogate: Terphenyl-d14	19.8		ug/L	20.6		96.2	27-155		

Determination of Organophosphorus Insecticides	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0795 - 3510C NP/OC Sep Fnl - EPA 8141									
Blank (11C0795-BLK1)				Prepared: 03/17/25 14:27 Analyzed: 03/24/25 16:19					
O,O,O-Triethyl phosphorothioate	<0.4	0.4	ug/L						
Thionazin	<0.4	0.4	ug/L						
Phorate	<0.4	0.4	ug/L						
Dimethoate	<0.4	0.4	ug/L						
Disulfoton	<0.4	0.4	ug/L						
Methyl Parathion	<0.4	0.4	ug/L						
Parathion	<0.4	0.4	ug/L						

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Determination of Organophosphorus Insecticides	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0795 - 3510C NP/OC Sep Fnl - EPA 8141									
Blank (1IC0795-BLK1) Prepared: 03/17/25 14:27 Analyzed: 03/24/25 16:19									
Famphur	<0.4	0.4	ug/L						
Surrogate: 2-Nitro-m-xylene	8.34		ug/L	13.9		59.9		15-154	
LCS (1IC0795-BS1) Prepared: 03/17/25 14:27 Analyzed: 03/25/25 00:43									
O,O,O-Triethyl phosphorothioate	3.68	0.4	ug/L	4.00		92.0		29-156	
Thionazin	4.02	0.4	ug/L	4.00		100		63-131	
Phorate	4.22	0.4	ug/L	4.00		105		51-136	
Dimethoate	5.88	0.4	ug/L	4.00		147		42-157	
Disulfoton	4.06	0.4	ug/L	4.00		102		37-158	
Methyl Parathion	3.85	0.4	ug/L	4.00		96.2		66-140	
Parathion	3.26	0.4	ug/L	4.00		81.6		66-120	
Famphur	4.94	0.4	ug/L	4.00		123		67-129	
Surrogate: 2-Nitro-m-xylene	12.3		ug/L	13.9		88.6		15-154	
LCS Dup (1IC0795-BSD1) Prepared: 03/17/25 14:27 Analyzed: 03/25/25 01:25									
O,O,O-Triethyl phosphorothioate	3.28	0.4	ug/L	4.00		82.0	29-156	11.5	30
Thionazin	3.72	0.4	ug/L	4.00		92.9	63-131	7.76	30
Phorate	3.89	0.4	ug/L	4.00		97.2	51-136	8.02	30
Dimethoate	4.98	0.4	ug/L	4.00		125	42-157	16.4	30
Disulfoton	3.88	0.4	ug/L	4.00		96.9	37-158	4.79	30
Methyl Parathion	3.60	0.4	ug/L	4.00		89.9	66-140	6.85	30
Parathion	3.00	0.4	ug/L	4.00		75.1	66-120	8.29	26
Famphur	4.32	0.4	ug/L	4.00		108	67-129	13.4	30
Surrogate: 2-Nitro-m-xylene	9.30		ug/L	13.9		66.8		15-154	
Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0735 - EPA 8151A - EPA 8151A									
Blank (1IC0735-BLK1) Prepared: 03/14/25 15:57 Analyzed: 03/21/25 17:22									
2,4-D	<2.0	2.0	ug/L						
2,4,5-TP (Silvex)	<0.5	0.5	ug/L						
2,4,5-T	<0.5	0.5	ug/L						
Dinoseb	<0.5	0.5	ug/L						
Surrogate: 2,5-Dichlorobenzoic Acid	1.98		ug/L	2.02		98.3		36-159	
LCS (1IC0735-BS1) Prepared: 03/14/25 15:57 Analyzed: 03/21/25 23:45									
2,4-D	<2.0	2.0	ug/L	1.00		66.5		34-138	
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	0.500		83.0		35-145	
2,4,5-T	<0.5	0.5	ug/L	0.500		85.0		17-168	
Dinoseb	0.86	0.5	ug/L	1.00		86.5		10-140	

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Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0735 - EPA 8151A - EPA 8151A									
LCS (1IC0735-BS1)				Prepared: 03/14/25 15:57 Analyzed: 03/21/25 23:45					
Surrogate: 2,5-Dichlorobenzoic Acid	2.01		ug/L	2.02		99.5	36-159		
LCS Dup (1IC0735-BS1)				Prepared: 03/14/25 15:57 Analyzed: 03/22/25 00:17					
2,4-D	<2.0	2.0	ug/L	1.00		79.0	34-138	17.2	30
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	0.500		90.0	35-145	8.09	30
2,4,5-T	0.52	0.5	ug/L	0.500		104	17-168	20.1	30
Dinoseb	0.61	0.5	ug/L	1.00		61.0	10-140	34.6	30 R1
Surrogate: 2,5-Dichlorobenzoic Acid	2.13		ug/L	2.02		105	36-159		

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0789 - 3510C NP/OC Sep Fnl - EPA 8081									
Blank (1IC0789-BLK1)				Prepared: 03/17/25 14:21 Analyzed: 03/21/25 11:31					
Alpha-BHC	<0.05	0.05	ug/L						
Gamma-BHC [Lindane]	<0.05	0.05	ug/L						
Beta-BHC	<0.05	0.05	ug/L						
Heptachlor	<0.05	0.05	ug/L						
Delta-BHC	<0.05	0.05	ug/L						
Aldrin	<0.05	0.05	ug/L						
Heptachlor Epoxide	<0.05	0.05	ug/L						
Endosulfan I	<0.05	0.05	ug/L						
4,4'-DDE	<0.05	0.05	ug/L						
Dieldrin	<0.05	0.05	ug/L						
Endrin	<0.05	0.05	ug/L						
4,4'-DDD	<0.05	0.05	ug/L						
Endosulfan II	<0.05	0.05	ug/L						
4,4'-DDT	<0.05	0.05	ug/L						
Endrin Aldehyde	<0.05	0.05	ug/L						
Endosulfan Sulfate	<0.05	0.05	ug/L						
Methoxychlor	<0.05	0.05	ug/L						
Chlordane	<0.10	0.10	ug/L						
Toxaphene	<0.20	0.20	ug/L						
Hexachlorobenzene	<0.05	0.05	ug/L						
Surrogate: Tetrachloro-m-xylene	0.478		ug/L	0.600		79.6	40-116		

LCS (1IC0789-BS1)				Prepared: 03/17/25 14:21 Analyzed: 03/21/25 11:45					
Alpha-BHC	0.201	0.05	ug/L	0.250		80.3	52-118		
Gamma-BHC [Lindane]	0.222	0.05	ug/L	0.250		88.9	53-122		
Beta-BHC	0.206	0.05	ug/L	0.250		82.6	54-116		
Heptachlor	0.191	0.05	ug/L	0.250		76.4	58-126		



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Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0789 - 3510C NP/OC Sep Fnl - EPA 8081									
LCS (11C0789-BS1)									
Prepared: 03/17/25 14:21 Analyzed: 03/21/25 11:45									
Delta-BHC	0.222	0.05	ug/L	0.250		88.9	54-134		
Aldrin	0.203	0.05	ug/L	0.250		81.3	47-122		
Heptachlor Epoxide	0.231	0.05	ug/L	0.250		92.2	50-123		
Endosulfan I	0.220	0.05	ug/L	0.250		88.0	55-124		
4,4'-DDE	0.207	0.05	ug/L	0.250		83.0	49-141		
Dieldrin	0.211	0.05	ug/L	0.250		84.4	50-118		
Endrin	0.229	0.05	ug/L	0.250		91.6	39-170		
4,4'-DDD	0.205	0.05	ug/L	0.250		81.9	59-135		
Endosulfan II	0.216	0.05	ug/L	0.250		86.4	56-127		
4,4'-DDT	0.213	0.05	ug/L	0.250		85.0	67-150		
Endrin Aldehyde	0.149	0.05	ug/L	0.250		59.8	57-125		
Endosulfan Sulfate	0.214	0.05	ug/L	0.250		85.5	53-131		
Methoxychlor	0.207	0.05	ug/L	0.250		83.0	63-153		
Surrogate: Tetrachloro-m-xylene	0.499		ug/L	0.600		83.1	40-116		
LCS Dup (11C0789-BSD1)									
Prepared: 03/17/25 14:21 Analyzed: 03/21/25 12:29									
Alpha-BHC	0.211	0.05	ug/L	0.250		84.4	52-118	4.95	30
Gamma-BHC [Lindane]	0.237	0.05	ug/L	0.250		95.0	53-122	6.59	30
Beta-BHC	0.216	0.05	ug/L	0.250		86.3	54-116	4.40	30
Heptachlor	0.209	0.05	ug/L	0.250		83.7	58-126	9.11	30
Delta-BHC	0.238	0.05	ug/L	0.250		95.3	54-134	6.97	30
Aldrin	0.210	0.05	ug/L	0.250		84.2	47-122	3.47	30
Heptachlor Epoxide	0.242	0.05	ug/L	0.250		96.6	50-123	4.69	30
Endosulfan I	0.230	0.05	ug/L	0.250		91.9	55-124	4.36	30
4,4'-DDE	0.212	0.05	ug/L	0.250		84.8	49-141	2.20	30
Dieldrin	0.221	0.05	ug/L	0.250		88.3	50-118	4.50	30
Endrin	0.242	0.05	ug/L	0.250		96.7	39-170	5.48	30
4,4'-DDD	0.216	0.05	ug/L	0.250		86.2	59-135	5.09	30
Endosulfan II	0.228	0.05	ug/L	0.250		91.2	56-127	5.37	30
4,4'-DDT	0.229	0.05	ug/L	0.250		91.6	67-150	7.41	30
Endrin Aldehyde	0.192	0.05	ug/L	0.250		76.8	57-125	25.0	30
Endosulfan Sulfate	0.227	0.05	ug/L	0.250		90.9	53-131	6.12	30
Methoxychlor	0.218	0.05	ug/L	0.250		87.2	63-153	4.89	30
Surrogate: Tetrachloro-m-xylene	0.493		ug/L	0.600		82.1	40-116		
Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0790 - 3510C NP/OC Sep Fnl - EPA 8082									
Blank (11C0790-BLK1)									
Prepared: 03/17/25 14:24 Analyzed: 03/21/25 11:31									

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Determination of	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Polychlorinated Biphenyls (PCB)										
Batch 11C0790 - 3510C NP/OC Sep Fnl - EPA 8082										
Blank (11C0790-BLK1)				Prepared: 03/17/25 14:24 Analyzed: 03/21/25 11:31						
Arochlor 1016	<0.20	0.20	ug/L							
Arochlor 1221	<0.20	0.20	ug/L							
Arochlor 1232	<0.20	0.20	ug/L							
Arochlor 1242	<0.20	0.20	ug/L							
Arochlor 1248	<0.20	0.20	ug/L							
Arochlor 1254	<0.20	0.20	ug/L							
Arochlor 1260	<0.20	0.20	ug/L							
Surrogate: Tetrachloro-m-xylene	0.478		ug/L	0.600		79.6	37-120			
Surrogate: Decachlorobiphenyl	0.582		ug/L	0.600		97.0	22-116			
LCS (11C0790-BS1)				Prepared: 03/17/25 14:24 Analyzed: 03/21/25 12:00						
Arochlor 1016	2.283	0.20	ug/L	2.60		87.8	42-132			
Arochlor 1260	2.425	0.20	ug/L	2.60		93.3	50-139			
Surrogate: Tetrachloro-m-xylene	0.531		ug/L	0.600		88.5	37-120			
Surrogate: Decachlorobiphenyl	0.555		ug/L	0.600		92.5	22-116			
LCS Dup (11C0790-BSD1)				Prepared: 03/17/25 14:24 Analyzed: 03/21/25 12:15						
Arochlor 1016	2.386	0.20	ug/L	2.60		91.8	42-132	4.40	20	
Arochlor 1260	2.565	0.20	ug/L	2.60		98.7	50-139	5.59	24	
Surrogate: Tetrachloro-m-xylene	0.577		ug/L	0.600		96.2	37-120			
Surrogate: Decachlorobiphenyl	0.586		ug/L	0.600		97.7	22-116			
Determination of	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Conventional Chemistry Parameters										
Batch 11C0760 - Wet Chem Preparation - EPA 376.2										
Blank (11C0760-BLK1)				Prepared & Analyzed: 03/17/25 09:28						
Sulfide, total	<0.10	0.10	mg/L							
LCS (11C0760-BS1)				Prepared & Analyzed: 03/17/25 09:28						
Sulfide, total	0.263	0.10	mg/L	0.31		83.4	56-118			
Matrix Spike (11C0760-MS1)				Source: 11C0696-01 Prepared & Analyzed: 03/17/25 09:28						
Sulfide, total	0.471	0.30	mg/L	0.94	ND	49.9	50-150			M2
Matrix Spike Dup (11C0760-MSD1)				Source: 11C0696-01 Prepared & Analyzed: 03/17/25 09:28						
Sulfide, total	0.493	0.30	mg/L	0.94	ND	52.2	50-150	4.55	30	
Batch 11C0986 - Wet Chem Preparation - EPA 9014										
Blank (11C0986-BLK1)				Prepared: 03/20/25 07:16 Analyzed: 03/21/25 09:08						
Cyanide, total	<0.010	0.010	mg/L							
LCS (11C0986-BS1)				Prepared: 03/20/25 07:16 Analyzed: 03/21/25 09:08						



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Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0986 - Wet Chem Preparation - EPA 9014										
LCS (1IC0986-BS1)				Prepared: 03/20/25 07:16 Analyzed: 03/21/25 09:08						
Cyanide, total	0.0163	0.010	mg/L	0.0200		81.4	66-127			
Matrix Spike (1IC0986-MS1)				Source: 1IC0827-03 Prepared: 03/20/25 07:16 Analyzed: 03/21/25 09:08						
Cyanide, total	0.0170	0.010	mg/L	0.0200	ND	85.0	56-132			
Matrix Spike Dup (1IC0986-MSD1)				Source: 1IC0827-03 Prepared: 03/20/25 07:16 Analyzed: 03/21/25 09:08						
Cyanide, total	0.0159	0.010	mg/L	0.0200	ND	79.6	56-132	6.57	28	
Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0734 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IC0734-BLK1)				Prepared: 03/14/25 15:55 Analyzed: 03/19/25 22:39						
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							
Tin, total	<0.0200	0.0200	mg/L							
Vanadium, total	<0.0200	0.0200	mg/L							
Zinc, total	<0.0200	0.0200	mg/L							
LCS (1IC0734-BS1)				Prepared: 03/14/25 15:55 Analyzed: 03/19/25 22:45						
Antimony, total	0.0898	0.0020	mg/L	0.100		89.8	80-120			
Arsenic, total	0.0944	0.0040	mg/L	0.100		94.4	80-120			
Barium, total	0.105	0.0040	mg/L	0.100		105	80-120			
Beryllium, total	0.0929	0.0040	mg/L	0.100		92.9	80-120			
Cadmium, total	0.0932	0.0008	mg/L	0.100		93.2	80-120			
Chromium, total	0.0931	0.0080	mg/L	0.100		93.1	80-120			
Cobalt, total	0.103	0.0004	mg/L	0.100		103	80-120			
Copper, total	0.101	0.0040	mg/L	0.100		101	80-120			
Lead, total	0.0957	0.0040	mg/L	0.100		95.7	80-120			
Nickel, total	0.102	0.0040	mg/L	0.100		102	80-120			
Selenium, total	0.0947	0.0040	mg/L	0.100		94.7	80-120			
Silver, total	0.0964	0.0040	mg/L	0.100		96.4	80-120			
Thallium, total	0.0934	0.0020	mg/L	0.100		93.4	80-120			
Tin, total	0.0937	0.0200	mg/L	0.100		93.7	80-120			

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0734 - EPA 3005A Total Recoverable Metals - EPA 6020A										
LCS (1IC0734-BS1)				Prepared: 03/14/25 15:55 Analyzed: 03/19/25 22:45						
Vanadium, total	0.0979	0.0200	mg/L	0.100		97.9	80-120			
Zinc, total	0.0949	0.0200	mg/L	0.100		94.9	80-120			
Matrix Spike (1IC0734-MS1)				Source: 1IC0851-01	Prepared: 03/14/25 15:55 Analyzed: 03/19/25 23:10					
Antimony, total	0.0920	0.0020	mg/L	0.100	ND	92.0	75-125			
Arsenic, total	0.104	0.0040	mg/L	0.100	0.0089	95.4	75-125			
Barium, total	0.231	0.0040	mg/L	0.100	0.126	105	75-125			
Beryllium, total	0.0868	0.0040	mg/L	0.100	ND	86.8	75-125			
Cadmium, total	0.0886	0.0008	mg/L	0.100	ND	88.6	75-125			
Chromium, total	0.0891	0.0080	mg/L	0.100	ND	89.1	75-125			
Cobalt, total	0.108	0.0004	mg/L	0.100	0.0103	97.5	75-125			
Copper, total	0.0897	0.0040	mg/L	0.100	ND	89.7	75-125			
Lead, total	0.0883	0.0040	mg/L	0.100	ND	88.3	75-125			
Nickel, total	0.103	0.0040	mg/L	0.100	0.0088	94.3	75-125			
Selenium, total	0.0947	0.0040	mg/L	0.100	ND	94.7	75-125			
Silver, total	0.0925	0.0040	mg/L	0.100	ND	92.5	75-125			
Thallium, total	0.0901	0.0020	mg/L	0.100	0.0003	89.8	75-125			
Tin, total	0.0925	0.0200	mg/L	0.100	ND	92.5	75-125			
Vanadium, total	0.0944	0.0200	mg/L	0.100	ND	94.4	75-125			
Zinc, total	0.0922	0.0200	mg/L	0.100	ND	92.2	75-125			
Matrix Spike Dup (1IC0734-MSD1)				Source: 1IC0851-01	Prepared: 03/14/25 15:55 Analyzed: 03/19/25 23:16					
Antimony, total	0.0953	0.0020	mg/L	0.100	ND	95.3	75-125	3.47	20	
Arsenic, total	0.109	0.0040	mg/L	0.100	0.0089	101	75-125	4.81	20	
Barium, total	0.244	0.0040	mg/L	0.100	0.126	118	75-125	5.44	20	
Beryllium, total	0.0894	0.0040	mg/L	0.100	ND	89.4	75-125	2.92	20	
Cadmium, total	0.0939	0.0008	mg/L	0.100	ND	93.9	75-125	5.84	20	
Chromium, total	0.0935	0.0080	mg/L	0.100	ND	93.5	75-125	4.87	20	
Cobalt, total	0.113	0.0004	mg/L	0.100	0.0103	103	75-125	4.84	20	
Copper, total	0.0938	0.0040	mg/L	0.100	ND	93.8	75-125	4.47	20	
Lead, total	0.0921	0.0040	mg/L	0.100	ND	92.1	75-125	4.21	20	
Nickel, total	0.107	0.0040	mg/L	0.100	0.0088	98.4	75-125	3.86	20	
Selenium, total	0.0999	0.0040	mg/L	0.100	ND	99.9	75-125	5.33	20	
Silver, total	0.0985	0.0040	mg/L	0.100	ND	98.5	75-125	6.27	20	
Thallium, total	0.0942	0.0020	mg/L	0.100	0.0003	94.0	75-125	4.47	20	
Tin, total	0.0982	0.0200	mg/L	0.100	ND	98.2	75-125	5.89	20	
Vanadium, total	0.100	0.0200	mg/L	0.100	ND	100	75-125	5.95	20	
Zinc, total	0.0953	0.0200	mg/L	0.100	ND	95.3	75-125	3.38	20	
Post Spike (1IC0734-PS1)				Source: 1IC0851-01	Prepared: 03/14/25 15:55 Analyzed: 03/19/25 23:22					
Antimony, total	0.0756		mg/L	0.0800	0.0001	94.3	80-120			
Arsenic, total	0.0881		mg/L	0.0800	0.0087	99.3	80-120			
Barium, total	0.214		mg/L	0.0800	0.123	113	80-120			
Beryllium, total	0.0699		mg/L	0.0800	0.00003	87.3	80-120			
Cadmium, total	0.0736		mg/L	0.0800	0.00002	92.0	80-120			
Chromium, total	0.0744		mg/L	0.0800	0.0004	92.5	80-120			

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0734 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Post Spike (1IC0734-PS1) Source: 1IC0851-01 Prepared: 03/14/25 15:55 Analyzed: 03/19/25 23:22										
Cobalt, total	0.0948		mg/L	0.0800	0.0101	106	80-120			
Copper, total	0.0755		mg/L	0.0800	0.0003	93.9	80-120			
Lead, total	0.0738		mg/L	0.0800	0.00006	92.2	80-120			
Nickel, total	0.0899		mg/L	0.0800	0.0087	102	80-120			
Selenium, total	0.0764		mg/L	0.0800	0.0003	95.2	80-120			
Silver, total	0.0787		mg/L	0.0800	-0.00003	98.4	80-120			
Thallium, total	0.0753		mg/L	0.0800	0.0003	93.8	80-120			
Tin, total	0.0802		mg/L	0.0800	-0.00009	100	75-125			
Vanadium, total	0.0809		mg/L	0.0800	0.0034	96.9	80-120			
Zinc, total	0.0790		mg/L	0.0800	0.0068	90.2	80-120			
Batch 1IC0736 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IC0736-BLK1) Prepared: 03/14/25 16:00 Analyzed: 03/20/25 01:49										
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							B
Zinc, total	<0.0200	0.0200	mg/L							
LCS (1IC0736-BS1) Prepared: 03/14/25 16:00 Analyzed: 03/20/25 01:55										
Antimony, total	0.0874	0.0020	mg/L	0.100		87.4	80-120			
Arsenic, total	0.0929	0.0040	mg/L	0.100		92.9	80-120			
Barium, total	0.106	0.0040	mg/L	0.100		106	80-120			
Beryllium, total	0.0921	0.0040	mg/L	0.100		92.1	80-120			
Cadmium, total	0.0917	0.0008	mg/L	0.100		91.7	80-120			
Chromium, total	0.0926	0.0080	mg/L	0.100		92.6	80-120			
Cobalt, total	0.103	0.0004	mg/L	0.100		103	80-120			
Copper, total	0.0996	0.0040	mg/L	0.100		99.6	80-120			
Lead, total	0.0974	0.0040	mg/L	0.100		97.4	80-120			
Nickel, total	0.102	0.0040	mg/L	0.100		102	80-120			
Selenium, total	0.0967	0.0040	mg/L	0.100		96.7	80-120			
Silver, total	0.0977	0.0040	mg/L	0.100		97.7	80-120			
Thallium, total	0.0962	0.0020	mg/L	0.100		96.2	80-120			
Vanadium, total	0.0978	0.0200	mg/L	0.100		97.8	80-120			

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0736 - EPA 3005A Total Recoverable Metals - EPA 6020A										
LCS (1IC0736-BS1)				Prepared: 03/14/25 16:00 Analyzed: 03/20/25 01:55						
Zinc, total	0.0927	0.0200	mg/L	0.100		92.7	80-120			
Matrix Spike (1IC0736-MS1)				Source: 1IC0852-01	Prepared: 03/14/25 16:00 Analyzed: 03/20/25 02:08					
Antimony, total	0.0896	0.0020	mg/L	0.100	ND	89.6	75-125			
Arsenic, total	0.0982	0.0040	mg/L	0.100	0.0022	96.0	75-125			
Barium, total	0.303	0.0040	mg/L	0.100	0.0541	249	75-125			M1
Beryllium, total	0.0903	0.0040	mg/L	0.100	ND	90.3	75-125			
Cadmium, total	0.0906	0.0008	mg/L	0.100	ND	90.6	75-125			
Chromium, total	0.0941	0.0080	mg/L	0.100	0.0006	94.1	75-125			
Cobalt, total	0.104	0.0004	mg/L	0.100	ND	104	75-125			
Copper, total	0.0951	0.0040	mg/L	0.100	0.0016	93.6	75-125			
Lead, total	0.0921	0.0040	mg/L	0.100	ND	92.1	75-125			
Nickel, total	0.102	0.0040	mg/L	0.100	0.0048	97.3	75-125			
Selenium, total	0.0943	0.0040	mg/L	0.100	ND	94.3	75-125			
Silver, total	0.0956	0.0040	mg/L	0.100	ND	95.6	75-125			
Thallium, total	0.0931	0.0020	mg/L	0.100	0.0003	92.8	75-125			
Vanadium, total	0.101	0.0200	mg/L	0.100	ND	101	75-125			
Zinc, total	0.0983	0.0200	mg/L	0.100	ND	98.3	75-125			
Matrix Spike Dup (1IC0736-MSD1)				Source: 1IC0852-01	Prepared: 03/14/25 16:00 Analyzed: 03/20/25 02:08					
Antimony, total	0.0896	0.0020	mg/L	0.100	ND	89.6	75-125	0.00	20	
Arsenic, total	0.0982	0.0040	mg/L	0.100	0.0022	96.0	75-125	0.00	20	
Barium, total	0.303	0.0040	mg/L	0.100	0.0541	249	75-125	0.00	20	M1
Beryllium, total	0.0903	0.0040	mg/L	0.100	ND	90.3	75-125	0.00	20	
Cadmium, total	0.0906	0.0008	mg/L	0.100	ND	90.6	75-125	0.00	20	
Chromium, total	0.0941	0.0080	mg/L	0.100	0.0006	94.1	75-125	0.00	20	
Cobalt, total	0.104	0.0004	mg/L	0.100	ND	104	75-125	0.00	20	
Copper, total	0.0951	0.0040	mg/L	0.100	0.0016	93.6	75-125	0.00	20	
Lead, total	0.0921	0.0040	mg/L	0.100	ND	92.1	75-125	0.00	20	
Nickel, total	0.102	0.0040	mg/L	0.100	0.0048	97.3	75-125	0.00	20	
Selenium, total	0.0943	0.0040	mg/L	0.100	ND	94.3	75-125	0.00	20	
Silver, total	0.0956	0.0040	mg/L	0.100	ND	95.6	75-125	0.00	20	
Thallium, total	0.0931	0.0020	mg/L	0.100	0.0003	92.8	75-125	0.00	20	
Vanadium, total	0.101	0.0200	mg/L	0.100	ND	101	75-125	0.00	20	
Zinc, total	0.0983	0.0200	mg/L	0.100	ND	98.3	75-125	0.00	20	
Post Spike (1IC0736-PS1)				Source: 1IC0852-01	Prepared: 03/14/25 16:00 Analyzed: 03/20/25 02:20					
Antimony, total	0.0728		mg/L	0.0800	0.0001	90.8	80-120			
Arsenic, total	0.0796		mg/L	0.0800	0.0021	96.8	80-120			
Barium, total	0.275		mg/L	0.0800	0.0531	277	80-120			M1
Beryllium, total	0.0742		mg/L	0.0800	-0.00001	92.8	80-120			
Cadmium, total	0.0736		mg/L	0.0800	0.00005	91.9	80-120			
Chromium, total	0.0785		mg/L	0.0800	0.0006	97.4	80-120			
Cobalt, total	0.0831		mg/L	0.0800	0.0002	104	80-120			
Copper, total	0.0760		mg/L	0.0800	0.0016	93.0	80-120			
Lead, total	0.0751		mg/L	0.0800	0.00004	93.8	80-120			

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11C0851

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0736 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Post Spike (11C0736-PS1)		Source: 11C0852-01		Prepared: 03/14/25 16:00 Analyzed: 03/20/25 02:20						
Nickel, total	0.0822		mg/L	0.0800	0.0047	96.8	80-120			
Selenium, total	0.0759		mg/L	0.0800	0.0004	94.4	80-120			
Silver, total	0.0767		mg/L	0.0800	-0.0001	95.8	80-120			
Thallium, total	0.0758		mg/L	0.0800	0.0003	94.4	80-120			
Vanadium, total	0.0864		mg/L	0.0800	0.0085	97.4	80-120			
Zinc, total	0.0780		mg/L	0.0800	0.0057	90.4	80-120			
Batch 11C1060 - EPA 7470A Hg Water - EPA 7470A										
Blank (11C1060-BLK1)		Prepared: 03/20/25 15:36 Analyzed: 03/21/25 14:59								
Mercury, total	<0.00050	0.00050	mg/L							
LCS (11C1060-BS1)		Prepared: 03/20/25 15:36 Analyzed: 03/21/25 15:01								
Mercury, total	0.00299	0.00050	mg/L	0.00250		120	80-120			
Matrix Spike (11C1060-MS1)		Source: 11C1029-01		Prepared: 03/20/25 15:36 Analyzed: 03/21/25 15:31						
Mercury, total	0.00312	0.00050	mg/L	0.00250	ND	125	75-125			
Matrix Spike Dup (11C1060-MSD1)		Source: 11C1029-01		Prepared: 03/20/25 15:36 Analyzed: 03/21/25 15:33						
Mercury, total	0.00306	0.00050	mg/L	0.00250	ND	123	75-125	1.66	20	

Definitions

AC:	Out of hold due to instrument malfunction
B:	The target analyte was detected in the blank at or above the method acceptance criteria.
M1:	Matrix spike recovery is above acceptance limits.
M2:	Matrix spike recovery is below acceptance limits.
Q3:	LCS recovery is below acceptance limits. The reported value is estimated.
R1:	Duplicate RPD is outside acceptance criteria.
RL:	Reporting Limit
RPD:	Relative Percent Difference
S2:	Surrogate recovery is below acceptance limits.

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		



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1IC0851

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
03/31/25 08:12



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1 I C 0 8 5 1

HLW Engineering
PM: Heather Murphy

Page 1 of

Printed: 2/24/2025 8:51:49A

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SITE INFORMATION

Sampler: TODD WHIPPLE

Project: City of Newton SLF-New Regs-COC1
6002

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

Joe Grife
City of Newton
403 W 4th St N Ste 501
Newton, IA 50208

LAB USE ONLY

Work Order 1IC0851

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	MW-45R <u>Dry</u>	Aqueous	GRAB	<u>3/12/25</u>	<u>—</u>	<u>0</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>—</u>
-001	MW-44	Aqueous	GRAB	<u>3/12/25</u>	<u>13:19</u>	<u>17</u>	Indfill-app2-inorg-6020 Indfill-app2-org	<u>01</u>
-001	MW-57	Aqueous	GRAB	<u>3/12/25</u>	<u>14:22</u>	<u>17</u>	Indfill-app2-inorg-6020 Indfill-app2-org	<u>02</u>
-001	MW-56	Aqueous	GRAB	<u>3/12/25</u>	<u>13:57</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>03</u>
-001	MW-64	Aqueous	GRAB	<u>3/12/25</u>	<u>14:11</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>04</u>
-001	MW-65	Aqueous	GRAB	<u>3/12/25</u>	<u>13:45</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>05</u>
-001	SW-101R	Aqueous	GRAB	<u>3/12/25</u>	<u>14:54</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>06</u>

Relinquished By Todd Whipple Date/Time 3/12/25

Relinquished By Nancy Hochstetler Date/Time 3/12/25 16:30

Received By _____ Date/Time _____

Received for Lab By _____ Date/Time _____

Remarks:

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CHAIN



1 I C 0 8 5 1

HLW Engineering
PM: Heather Murphy

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Printed: 2/24/2025 8:51:49A

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SITE INFORMATION

Sampler: Todd Whipple

Project: City of Newton SLF-New Regs-COC1
6002

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

Joe Grife
City of Newton
403 W 4th St N Ste 501
Newton, IA 50208

LAB USE ONLY

Work Order 11C0851

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	PECS-1	Aqueous	GRAB	<u>3/12/25</u>	<u>15:02</u>	<u>6</u>	Indfill-app1-voc-group	<u>07</u>
-001	SW-102	Aqueous	GRAB	<u>3/12/25</u>	<u>10:52</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>08</u>
-001	SW-103	Aqueous	GRAB	<u>3/12/25</u>	<u>13:43</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>09</u>
-001	MW-48 (B)	Aqueous	GRAB	<u>3/12/25</u>	<u>14:45</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>10</u>
-001	MW-39 (B)	Aqueous	GRAB	<u>3/12/25</u>	<u>12:33</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>11</u>
-001	MW-78 (B)	Aqueous	GRAB	<u>3/12/25</u>	<u>11:51</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>12</u>
-001	MW-62R	Aqueous	GRAB	<u>3/12/25</u>	<u>12:04</u>	<u>17</u>	Indfill-app2-inorg-6020 Indfill-app2-org	<u>13</u>

Relinquished By Todd Whipple Date/Time 3/12/25

Relinquished By Amy Hochstetler Date/Time 3/12/25 16:30

Received By _____ Date/Time _____

Received for Lab By _____ Date/Time _____

Remarks:

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Newton, IA 502
641-792-8451

CHA



HLW Engineering
PM: Heather Murphy

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Printed: 2/24/2025 8:51:49A

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SITE INFORMATION

Sampler: Todd Whipple

Project: City of Newton SLF-New Regs-COC1
6002

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

Joe Grife
City of Newton
403 W 4th St N Ste 501
Newton, IA 50208

LAB USE ONLY

Work Order

Temperature

Turn-Cooler: No

- ☐ Custody Seal
☒ Containers Intact
☒ COC/Labels Agree
☒ Preservation Confirmed
☒ Received on Ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses	Lab Sample Number
-001	MW-79	Aqueous	GRAB	3/12/25	11:37	7	Indfil-app1-voc-group Indfil-app1-metals-6020	14
-001	MW-80	Aqueous	GRAB	3/12/25	11:13	17	Indfil-app2-inorg-6020 Indfil-app2-org	15
-001	MW-36	Aqueous	GRAB	3/12/25	12:47	7	Indfil-app1-voc-group Indfil-app1-metals-6020	16
-001	MW-41	Aqueous	GRAB	3/12/25	9:03	17	Indfil-app2-inorg-6020 Indfil-app2-org	17
-001	MW-42	Aqueous	GRAB	3/12/25	9:42	7	Indfil-app1-voc-group Indfil-app1-metals-6020	18
-001	MW-58	Aqueous	GRAB	3/12/25	10:00	17	Indfil-app2-inorg-6020 Indfil-app2-org	19
-001	MW-59	Aqueous	GRAB	3/12/25	10:29	17	Indfil-app2-inorg-6020 Indfil-app2-org	20

Relinquished By Case Whipple Date/Time 3/12/25

Received By _____ Date/Time _____

Relinquished By _____ Date/Time _____

Received for Lab By Amy Hochstetler Date/Time 3/12/25 16:30

Remarks:

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641-79



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SITE INFORMATION

Sampler: TODD WHIPPLE

Project: City of Newton SLF-New Regs-COC1
6002

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

Joe Grife
City of Newton
403 W 4th St N Ste 501
Newton, IA 50208

LAB USE ONLY

Work Order 1IC0851

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	MW-60	Aqueous	GRAB	<u>3/12/25</u>	<u>8:38</u>	<u>17</u>	Indfil-app2-inorg-6020 Indfil-app2-org	<u>21</u>
-001	MW-61	Aqueous	GRAB	<u>3/12/25</u>	<u>12:59</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>22</u>
-001	Duplicate	Aqueous	GRAB	<u>3/12/25</u>	<u>✓</u>	<u>1</u>	Indfil-app1-voc-group <u>Metals</u> ~~Indfil-app1-metals-6020~~	<u>23</u>

Relinquished By Todd Whipple Date/Time 3/12/25

Relinquished By Amy Hoehstetter Date/Time 3/12/25 16:30

Received By _____ Date/Time _____

Received for Lab By _____ Date/Time _____

Remarks:

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11I0470

Project Description

6002

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Tuesday, September 23, 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

11I0470

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6002

Project / PO Number: N/A
Received: 09/04/2025
Reported: 09/23/2025

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-44	11I0470-01	Aqueous	GRAB		09/03/25 08:24	09/04/25 14:17
MW-57	11I0470-02	Aqueous	GRAB		09/03/25 09:35	09/04/25 14:17
MW-56	11I0470-03	Aqueous	GRAB		09/03/25 09:04	09/04/25 14:17
MW-64	11I0470-04	Aqueous	GRAB		09/03/25 09:18	09/04/25 14:17
MW-65	11I0470-05	Aqueous	GRAB		09/03/25 08:45	09/04/25 14:17
SW-101R	11I0470-06	Aqueous	GRAB		09/03/25 10:10	09/04/25 14:17
PECS-1	11I0470-07	Aqueous	GRAB		09/03/25 10:22	09/04/25 14:17
SW-102	11I0470-08	Aqueous	GRAB		09/03/25 10:32	09/04/25 14:17
SW-103	11I0470-09	Aqueous	GRAB		09/03/25 08:40	09/04/25 14:17
MW-48 (B)	11I0470-10	Aqueous	GRAB		09/03/25 09:49	09/04/25 14:17
MW-39 (B)	11I0470-11	Aqueous	GRAB		09/03/25 11:29	09/04/25 14:17
MW-78 (B)	11I0470-12	Aqueous	GRAB		09/03/25 10:59	09/04/25 14:17
MW-62R	11I0470-13	Aqueous	GRAB		09/03/25 11:15	09/04/25 14:17
MW-79	11I0470-14	Aqueous	GRAB		09/03/25 13:04	09/04/25 14:17
MW-80	11I0470-15	Aqueous	GRAB		09/03/25 13:17	09/04/25 14:17
MW-36	11I0470-16	Aqueous	GRAB		09/03/25 11:43	09/04/25 14:17
MW-41	11I0470-17	Aqueous	GRAB		09/03/25 12:25	09/04/25 14:17
MW-42	11I0470-18	Aqueous	GRAB		09/03/25 12:46	09/04/25 14:17
MW-58	11I0470-19	Aqueous	GRAB		09/03/25 12:52	09/04/25 14:17
MW-59	11I0470-20	Aqueous	GRAB		09/03/25 10:58	09/04/25 14:17
MW-60	11I0470-21	Aqueous	GRAB		09/03/25 11:55	09/04/25 14:17
MW-61	11I0470-22	Aqueous	GRAB		09/03/25 12:04	09/04/25 14:17
Duplicate	11I0470-23	Aqueous	GRAB		09/03/25 00:00	09/04/25 14:17



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11I0470

Analytical Testing Parameters

Client Sample ID: MW-44
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-01

Collected By: Whipple, Todd
Collection Date: 09/03/2025 8:24

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Bromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Chloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Acetone	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Carbon Disulfide	1.6	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Chloroform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Benzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Dibromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Toluene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Xylenes, total	<2.0	2.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Styrene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF

Microbac Laboratories, Inc., Newton

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-44
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-01

Collected By: Whipple, Todd
Collection Date: 09/03/2025 8:24

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bromoform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1156	RAF
Surrogate: Dibromofluoromethane	97.5	Limit: 57-128	% Rec		09/05/25 0000	09/05/25 1156	RAF
Surrogate: Dibromofluoromethane	97.5	Limit: 75-136	% Rec		09/05/25 0000	09/05/25 1156	RAF
Surrogate: 1,2-Dichloroethane-d4	97.3	Limit: 61-142	% Rec		09/05/25 0000	09/05/25 1156	RAF
Surrogate: 1,2-Dichloroethane-d4	97.3	Limit: 49-135	% Rec		09/05/25 0000	09/05/25 1156	RAF
Surrogate: Toluene-d8	100	Limit: 82-116	% Rec		09/05/25 0000	09/05/25 1156	RAF
Surrogate: Toluene-d8	100	Limit: 82-121	% Rec		09/05/25 0000	09/05/25 1156	RAF
Surrogate: 4-Bromofluorobenzene	93.6	Limit: 77-114	% Rec		09/05/25 0000	09/05/25 1156	RAF
Surrogate: 4-Bromofluorobenzene	93.6	Limit: 80-116	% Rec		09/05/25 0000	09/05/25 1156	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1858	RVV
Arsenic, total	0.0055	0.0020	mg/L		09/05/25 1609	09/08/25 1858	RVV
Barium, total	0.152	0.0010	mg/L		09/05/25 1609	09/08/25 1858	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1858	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/05/25 1609	09/08/25 1858	RVV
Chromium, total	0.0012	0.0010	mg/L		09/05/25 1609	09/08/25 1858	RVV
Cobalt, total	0.0089	0.0005	mg/L		09/05/25 1609	09/08/25 1858	RVV
Copper, total	0.0099	0.0050	mg/L		09/05/25 1609	09/08/25 1858	RVV
Lead, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1858	RVV
Nickel, total	0.0120	0.0050	mg/L		09/05/25 1609	09/08/25 1858	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1858	RVV
Silver, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1858	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1858	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1858	RVV
Zinc, total	0.0251	0.0050	mg/L		09/05/25 1609	09/08/25 1858	RVV

Microbac Laboratories, Inc., Newton

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-57
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-02

Collected By: Whipple, Todd
Collection Date: 09/03/2025 9:35

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Bromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Chloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Acetone	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Chloroform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Benzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Dibromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Toluene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Xylenes, total	<2.0	2.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Styrene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Bromoform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-57
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-02

Collected By: Whipple, Todd
Collection Date: 09/03/2025 9:35

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1219	RAF
Surrogate: Dibromofluoromethane	99.7	Limit: 75-136	% Rec		09/05/25 0000	09/05/25 1219	RAF
Surrogate: Dibromofluoromethane	99.7	Limit: 57-128	% Rec		09/05/25 0000	09/05/25 1219	RAF
Surrogate: 1,2-Dichloroethane-d4	98.6	Limit: 61-142	% Rec		09/05/25 0000	09/05/25 1219	RAF
Surrogate: 1,2-Dichloroethane-d4	98.6	Limit: 49-135	% Rec		09/05/25 0000	09/05/25 1219	RAF
Surrogate: Toluene-d8	98.3	Limit: 82-121	% Rec		09/05/25 0000	09/05/25 1219	RAF
Surrogate: Toluene-d8	98.3	Limit: 82-116	% Rec		09/05/25 0000	09/05/25 1219	RAF
Surrogate: 4-Bromofluorobenzene	94.2	Limit: 80-116	% Rec		09/05/25 0000	09/05/25 1219	RAF
Surrogate: 4-Bromofluorobenzene	94.2	Limit: 77-114	% Rec		09/05/25 0000	09/05/25 1219	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1908	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1908	RVV
Barium, total	0.343	0.0010	mg/L		09/05/25 1609	09/08/25 1908	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1908	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/05/25 1609	09/08/25 1908	RVV
Chromium, total	0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1908	RVV
Cobalt, total	0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1908	RVV
Copper, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1908	RVV
Lead, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1908	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1908	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1908	RVV
Silver, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1908	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1908	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1908	RVV
Zinc, total	0.0148	0.0050	mg/L		09/05/25 1609	09/08/25 1908	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-56
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-03

Collected By: Whipple, Todd
Collection Date: 09/03/2025 9:04

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Bromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Chloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Acetone	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Chloroform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Benzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Dibromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Toluene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Xylenes, total	<2.0	2.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Styrene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Bromoform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-56
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-03

Collected By: Whipple, Todd
Collection Date: 09/03/2025 9:04

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1242	RAF
Surrogate: Dibromofluoromethane	95.3	Limit: 75-136	% Rec		09/05/25 0000	09/05/25 1242	RAF
Surrogate: Dibromofluoromethane	95.3	Limit: 57-128	% Rec		09/05/25 0000	09/05/25 1242	RAF
Surrogate: 1,2-Dichloroethane-d4	93.6	Limit: 49-135	% Rec		09/05/25 0000	09/05/25 1242	RAF
Surrogate: 1,2-Dichloroethane-d4	93.6	Limit: 61-142	% Rec		09/05/25 0000	09/05/25 1242	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/05/25 0000	09/05/25 1242	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/05/25 0000	09/05/25 1242	RAF
Surrogate: 4-Bromofluorobenzene	96.5	Limit: 77-114	% Rec		09/05/25 0000	09/05/25 1242	RAF
Surrogate: 4-Bromofluorobenzene	96.5	Limit: 80-116	% Rec		09/05/25 0000	09/05/25 1242	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	0.0022	0.0010	mg/L		09/05/25 1609	09/08/25 1915	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1915	RVV
Barium, total	0.0460	0.0010	mg/L		09/05/25 1609	09/08/25 1915	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1915	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/05/25 1609	09/08/25 1915	RVV
Chromium, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1915	RVV
Cobalt, total	0.0033	0.0005	mg/L		09/05/25 1609	09/08/25 1915	RVV
Copper, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1915	RVV
Lead, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1915	RVV
Nickel, total	0.0068	0.0050	mg/L		09/05/25 1609	09/08/25 1915	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1915	RVV
Silver, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1915	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1915	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1915	RVV
Zinc, total	0.0133	0.0050	mg/L		09/05/25 1609	09/08/25 1915	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-64
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-04

Collected By: Whipple, Todd
Collection Date: 09/03/2025 9:18

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Vinyl Chloride	1.4	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Bromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Chloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Acetone	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Carbon Disulfide	2.9	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
1,1-Dichloroethane	1.8	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
cis-1,2-Dichloroethylene	3.2	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Chloroform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Benzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Dibromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Toluene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Xylenes, total	<2.0	2.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Styrene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Bromoform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-64
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-04

Collected By: Whipple, Todd
Collection Date: 09/03/2025 9:18

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1304	RAF
Surrogate: Dibromofluoromethane	93.3	Limit: 57-128	% Rec		09/05/25 0000	09/05/25 1304	RAF
Surrogate: Dibromofluoromethane	93.3	Limit: 75-136	% Rec		09/05/25 0000	09/05/25 1304	RAF
Surrogate: 1,2-Dichloroethane-d4	94.7	Limit: 49-135	% Rec		09/05/25 0000	09/05/25 1304	RAF
Surrogate: 1,2-Dichloroethane-d4	94.7	Limit: 61-142	% Rec		09/05/25 0000	09/05/25 1304	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/05/25 0000	09/05/25 1304	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/05/25 0000	09/05/25 1304	RAF
Surrogate: 4-Bromofluorobenzene	94.0	Limit: 77-114	% Rec		09/05/25 0000	09/05/25 1304	RAF
Surrogate: 4-Bromofluorobenzene	94.0	Limit: 80-116	% Rec		09/05/25 0000	09/05/25 1304	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1918	RVV
Arsenic, total	0.0235	0.0020	mg/L		09/05/25 1609	09/08/25 1918	RVV
Barium, total	0.0481	0.0010	mg/L		09/05/25 1609	09/08/25 1918	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1918	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/05/25 1609	09/08/25 1918	RVV
Chromium, total	0.0012	0.0010	mg/L		09/05/25 1609	09/08/25 1918	RVV
Cobalt, total	0.0159	0.0005	mg/L		09/05/25 1609	09/08/25 1918	RVV
Copper, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1918	RVV
Lead, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1918	RVV
Nickel, total	0.0403	0.0050	mg/L		09/05/25 1609	09/08/25 1918	RVV
Selenium, total	0.0021	0.0020	mg/L		09/05/25 1609	09/08/25 1918	RVV
Silver, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1918	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1918	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1918	RVV
Zinc, total	0.0272	0.0050	mg/L		09/05/25 1609	09/08/25 1918	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-65
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-05

Collected By: Whipple, Todd
Collection Date: 09/03/2025 8:45

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Bromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Chloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Acetone	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Chloroform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Benzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Dibromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Toluene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Xylenes, total	<2.0	2.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Styrene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Bromoform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-65
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-05

Collected By: Whipple, Todd
Collection Date: 09/03/2025 8:45

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1327	RAF
Surrogate: Dibromofluoromethane	95.0	Limit: 75-136	% Rec		09/05/25 0000	09/05/25 1327	RAF
Surrogate: Dibromofluoromethane	95.0	Limit: 57-128	% Rec		09/05/25 0000	09/05/25 1327	RAF
Surrogate: 1,2-Dichloroethane-d4	91.2	Limit: 61-142	% Rec		09/05/25 0000	09/05/25 1327	RAF
Surrogate: 1,2-Dichloroethane-d4	91.2	Limit: 49-135	% Rec		09/05/25 0000	09/05/25 1327	RAF
Surrogate: Toluene-d8	99.6	Limit: 82-121	% Rec		09/05/25 0000	09/05/25 1327	RAF
Surrogate: Toluene-d8	99.6	Limit: 82-116	% Rec		09/05/25 0000	09/05/25 1327	RAF
Surrogate: 4-Bromofluorobenzene	89.4	Limit: 77-114	% Rec		09/05/25 0000	09/05/25 1327	RAF
Surrogate: 4-Bromofluorobenzene	89.4	Limit: 80-116	% Rec		09/05/25 0000	09/05/25 1327	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1920	RVV
Arsenic, total	0.0132	0.0020	mg/L		09/05/25 1609	09/08/25 1920	RVV
Barium, total	0.0773	0.0010	mg/L		09/05/25 1609	09/08/25 1920	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1920	RVV
Cadmium, total	0.0008	0.0002	mg/L		09/05/25 1609	09/08/25 1920	RVV
Chromium, total	0.0017	0.0010	mg/L		09/05/25 1609	09/08/25 1920	RVV
Cobalt, total	0.0156	0.0005	mg/L		09/05/25 1609	09/08/25 1920	RVV
Copper, total	0.0081	0.0050	mg/L		09/05/25 1609	09/08/25 1920	RVV
Lead, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1920	RVV
Nickel, total	0.0406	0.0050	mg/L		09/05/25 1609	09/08/25 1920	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1920	RVV
Silver, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1920	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1920	RVV
Vanadium, total	0.0021	0.0020	mg/L		09/05/25 1609	09/08/25 1920	RVV
Zinc, total	0.0568	0.0050	mg/L		09/05/25 1609	09/08/25 1920	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: SW-101R
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-06

Collected By: Whipple, Todd
Collection Date: 09/03/2025 10:10

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Vinyl Chloride	3.3	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Bromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Chloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Acetone	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
cis-1,2-Dichloroethylene	3.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Chloroform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Benzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Dibromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Toluene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Xylenes, total	<2.0	2.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Styrene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Bromoform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: SW-101R
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-06

Collected By: Whipple, Todd
Collection Date: 09/03/2025 10:10

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1350	RAF
Surrogate: Dibromofluoromethane	101	Limit: 57-128	% Rec		09/05/25 0000	09/05/25 1350	RAF
Surrogate: Dibromofluoromethane	101	Limit: 75-136	% Rec		09/05/25 0000	09/05/25 1350	RAF
Surrogate: 1,2-Dichloroethane-d4	95.0	Limit: 49-135	% Rec		09/05/25 0000	09/05/25 1350	RAF
Surrogate: 1,2-Dichloroethane-d4	95.0	Limit: 61-142	% Rec		09/05/25 0000	09/05/25 1350	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/05/25 0000	09/05/25 1350	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/05/25 0000	09/05/25 1350	RAF
Surrogate: 4-Bromofluorobenzene	95.1	Limit: 77-114	% Rec		09/05/25 0000	09/05/25 1350	RAF
Surrogate: 4-Bromofluorobenzene	95.1	Limit: 80-116	% Rec		09/05/25 0000	09/05/25 1350	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1923	RVV
Arsenic, total	0.0040	0.0020	mg/L		09/05/25 1609	09/08/25 1923	RVV
Barium, total	0.228	0.0010	mg/L		09/05/25 1609	09/08/25 1923	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1923	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/05/25 1609	09/08/25 1923	RVV
Chromium, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1923	RVV
Cobalt, total	0.0042	0.0005	mg/L		09/05/25 1609	09/08/25 1923	RVV
Copper, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1923	RVV
Lead, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1923	RVV
Nickel, total	0.0063	0.0050	mg/L		09/05/25 1609	09/08/25 1923	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1923	RVV
Silver, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1923	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1923	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1923	RVV
Zinc, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1923	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: PECS-1
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-07

Collected By: Whipple, Todd
Collection Date: 09/03/2025 10:22

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Bromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Chloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Acetone	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Chloroform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Benzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Dibromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Toluene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Xylenes, total	<2.0	2.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Styrene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Bromoform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: PECS-1
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-07

Collected By: Whipple, Todd
Collection Date: 09/03/2025 10:22

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1413	RAF
Surrogate: Dibromofluoromethane	98.1	Limit: 75-136	% Rec		09/05/25 0000	09/05/25 1413	RAF
Surrogate: Dibromofluoromethane	98.1	Limit: 57-128	% Rec		09/05/25 0000	09/05/25 1413	RAF
Surrogate: 1,2-Dichloroethane-d4	94.8	Limit: 61-142	% Rec		09/05/25 0000	09/05/25 1413	RAF
Surrogate: 1,2-Dichloroethane-d4	94.8	Limit: 49-135	% Rec		09/05/25 0000	09/05/25 1413	RAF
Surrogate: Toluene-d8	99.9	Limit: 82-121	% Rec		09/05/25 0000	09/05/25 1413	RAF
Surrogate: Toluene-d8	99.9	Limit: 82-116	% Rec		09/05/25 0000	09/05/25 1413	RAF
Surrogate: 4-Bromofluorobenzene	92.5	Limit: 80-116	% Rec		09/05/25 0000	09/05/25 1413	RAF
Surrogate: 4-Bromofluorobenzene	92.5	Limit: 77-114	% Rec		09/05/25 0000	09/05/25 1413	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: SW-102
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-08

Collected By: Whipple, Todd
Collection Date: 09/03/2025 10:32

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Bromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Chloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Acetone	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Chloroform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Benzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Dibromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Toluene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Xylenes, total	<2.0	2.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Styrene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Bromoform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: SW-102
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-08

Collected By: Whipple, Todd
Collection Date: 09/03/2025 10:32

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1436	RAF
Surrogate: Dibromofluoromethane	100	Limit: 57-128	% Rec		09/05/25 0000	09/05/25 1436	RAF
Surrogate: Dibromofluoromethane	100	Limit: 75-136	% Rec		09/05/25 0000	09/05/25 1436	RAF
Surrogate: 1,2-Dichloroethane-d4	104	Limit: 49-135	% Rec		09/05/25 0000	09/05/25 1436	RAF
Surrogate: 1,2-Dichloroethane-d4	104	Limit: 61-142	% Rec		09/05/25 0000	09/05/25 1436	RAF
Surrogate: Toluene-d8	99.6	Limit: 82-116	% Rec		09/05/25 0000	09/05/25 1436	RAF
Surrogate: Toluene-d8	99.6	Limit: 82-121	% Rec		09/05/25 0000	09/05/25 1436	RAF
Surrogate: 4-Bromofluorobenzene	92.5	Limit: 77-114	% Rec		09/05/25 0000	09/05/25 1436	RAF
Surrogate: 4-Bromofluorobenzene	92.5	Limit: 80-116	% Rec		09/05/25 0000	09/05/25 1436	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1925	RVV
Arsenic, total	0.0021	0.0020	mg/L		09/05/25 1609	09/08/25 1925	RVV
Barium, total	0.176	0.0010	mg/L		09/05/25 1609	09/08/25 1925	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1925	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/05/25 1609	09/08/25 1925	RVV
Chromium, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1925	RVV
Cobalt, total	0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1925	RVV
Copper, total	0.0078	0.0050	mg/L		09/05/25 1609	09/08/25 1925	RVV
Lead, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1925	RVV
Nickel, total	0.0062	0.0050	mg/L		09/05/25 1609	09/08/25 1925	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1925	RVV
Silver, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1925	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1925	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1925	RVV
Zinc, total	0.0073	0.0050	mg/L		09/05/25 1609	09/08/25 1925	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: SW-103
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-09

Collected By: Whipple, Todd
Collection Date: 09/03/2025 8:40

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Bromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Chloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Acetone	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Chloroform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Benzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Dibromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Toluene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Xylenes, total	<2.0	2.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Styrene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Bromoform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: SW-103
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-09

Collected By: Whipple, Todd
Collection Date: 09/03/2025 8:40

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1458	RAF
Surrogate: Dibromofluoromethane	96.2	Limit: 57-128	% Rec		09/05/25 0000	09/05/25 1458	RAF
Surrogate: Dibromofluoromethane	96.2	Limit: 75-136	% Rec		09/05/25 0000	09/05/25 1458	RAF
Surrogate: 1,2-Dichloroethane-d4	98.7	Limit: 61-142	% Rec		09/05/25 0000	09/05/25 1458	RAF
Surrogate: 1,2-Dichloroethane-d4	98.7	Limit: 49-135	% Rec		09/05/25 0000	09/05/25 1458	RAF
Surrogate: Toluene-d8	99.6	Limit: 82-116	% Rec		09/05/25 0000	09/05/25 1458	RAF
Surrogate: Toluene-d8	99.6	Limit: 82-121	% Rec		09/05/25 0000	09/05/25 1458	RAF
Surrogate: 4-Bromofluorobenzene	91.7	Limit: 80-116	% Rec		09/05/25 0000	09/05/25 1458	RAF
Surrogate: 4-Bromofluorobenzene	91.7	Limit: 77-114	% Rec		09/05/25 0000	09/05/25 1458	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1928	RVV
Arsenic, total	0.0022	0.0020	mg/L		09/05/25 1609	09/08/25 1928	RVV
Barium, total	0.176	0.0010	mg/L		09/05/25 1609	09/08/25 1928	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1928	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/05/25 1609	09/08/25 1928	RVV
Chromium, total	0.0019	0.0010	mg/L		09/05/25 1609	09/08/25 1928	RVV
Cobalt, total	0.0013	0.0005	mg/L		09/05/25 1609	09/08/25 1928	RVV
Copper, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1928	RVV
Lead, total	0.0022	0.0010	mg/L		09/05/25 1609	09/08/25 1928	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1928	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1928	RVV
Silver, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1928	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1928	RVV
Vanadium, total	0.0033	0.0020	mg/L		09/05/25 1609	09/08/25 1928	RVV
Zinc, total	0.0199	0.0050	mg/L		09/05/25 1609	09/08/25 1928	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-48 (B)
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-10

Collected By: Whipple, Todd
Collection Date: 09/03/2025 9:49

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Bromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Chloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Acetone	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Carbon Disulfide	1.6	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Chloroform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Benzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Dibromomethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Toluene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Xylenes, total	<2.0	2.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Styrene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Bromoform	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-48 (B)
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-10

Collected By: Whipple, Todd
Collection Date: 09/03/2025 9:49

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/05/25 0000	09/05/25 1521	RAF
Surrogate: Dibromofluoromethane	96.8	Limit: 57-128	% Rec		09/05/25 0000	09/05/25 1521	RAF
Surrogate: Dibromofluoromethane	96.8	Limit: 75-136	% Rec		09/05/25 0000	09/05/25 1521	RAF
Surrogate: 1,2-Dichloroethane-d4	97.1	Limit: 49-135	% Rec		09/05/25 0000	09/05/25 1521	RAF
Surrogate: 1,2-Dichloroethane-d4	97.1	Limit: 61-142	% Rec		09/05/25 0000	09/05/25 1521	RAF
Surrogate: Toluene-d8	98.5	Limit: 82-121	% Rec		09/05/25 0000	09/05/25 1521	RAF
Surrogate: Toluene-d8	98.5	Limit: 82-116	% Rec		09/05/25 0000	09/05/25 1521	RAF
Surrogate: 4-Bromofluorobenzene	93.5	Limit: 77-114	% Rec		09/05/25 0000	09/05/25 1521	RAF
Surrogate: 4-Bromofluorobenzene	93.5	Limit: 80-116	% Rec		09/05/25 0000	09/05/25 1521	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1931	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1931	RVV
Barium, total	0.168	0.0010	mg/L		09/05/25 1609	09/08/25 1931	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1931	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/05/25 1609	09/08/25 1931	RVV
Chromium, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1931	RVV
Cobalt, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1931	RVV
Copper, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1931	RVV
Lead, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1931	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1931	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1931	RVV
Silver, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1931	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1931	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1931	RVV
Zinc, total	0.0096	0.0050	mg/L		09/05/25 1609	09/08/25 1931	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-39 (B)
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-11

Collected By: Whipple, Todd
Collection Date: 09/03/2025 11:29

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Bromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Chloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Acetone	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Chloroform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Benzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Dibromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Toluene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Xylenes, total	<2.0	2.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Styrene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Bromoform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-39 (B)
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-11

Collected By: Whipple, Todd
Collection Date: 09/03/2025 11:29

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1130	RAF
Surrogate: Dibromofluoromethane	99.8	Limit: 75-136	% Rec		09/08/25 0000	09/08/25 1130	RAF
Surrogate: Dibromofluoromethane	99.8	Limit: 57-128	% Rec		09/08/25 0000	09/08/25 1130	RAF
Surrogate: 1,2-Dichloroethane-d4	98.5	Limit: 49-135	% Rec		09/08/25 0000	09/08/25 1130	RAF
Surrogate: 1,2-Dichloroethane-d4	98.5	Limit: 61-142	% Rec		09/08/25 0000	09/08/25 1130	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/08/25 0000	09/08/25 1130	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/08/25 0000	09/08/25 1130	RAF
Surrogate: 4-Bromofluorobenzene	92.8	Limit: 77-114	% Rec		09/08/25 0000	09/08/25 1130	RAF
Surrogate: 4-Bromofluorobenzene	92.8	Limit: 80-116	% Rec		09/08/25 0000	09/08/25 1130	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1933	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1933	RVV
Barium, total	0.131	0.0010	mg/L		09/05/25 1609	09/08/25 1933	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1933	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/05/25 1609	09/08/25 1933	RVV
Chromium, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1933	RVV
Cobalt, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1933	RVV
Copper, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1933	RVV
Lead, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1933	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1933	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1933	RVV
Silver, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1933	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1933	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1933	RVV
Zinc, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1933	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-78 (B)
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-12

Collected By: Whipple, Todd
Collection Date: 09/03/2025 10:59

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Bromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Chloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Acetone	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Chloroform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Benzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Dibromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Toluene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Xylenes, total	<2.0	2.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Styrene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Bromoform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-78 (B)
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-12

Collected By: Whipple, Todd
Collection Date: 09/03/2025 10:59

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1153	RAF
Surrogate: Dibromofluoromethane	101	Limit: 57-128	% Rec		09/08/25 0000	09/08/25 1153	RAF
Surrogate: Dibromofluoromethane	101	Limit: 75-136	% Rec		09/08/25 0000	09/08/25 1153	RAF
Surrogate: 1,2-Dichloroethane-d4	97.8	Limit: 49-135	% Rec		09/08/25 0000	09/08/25 1153	RAF
Surrogate: 1,2-Dichloroethane-d4	97.8	Limit: 61-142	% Rec		09/08/25 0000	09/08/25 1153	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/08/25 0000	09/08/25 1153	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/08/25 0000	09/08/25 1153	RAF
Surrogate: 4-Bromofluorobenzene	93.5	Limit: 77-114	% Rec		09/08/25 0000	09/08/25 1153	RAF
Surrogate: 4-Bromofluorobenzene	93.5	Limit: 80-116	% Rec		09/08/25 0000	09/08/25 1153	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1936	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1936	RVV
Barium, total	0.301	0.0010	mg/L		09/05/25 1609	09/08/25 1936	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1936	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/05/25 1609	09/08/25 1936	RVV
Chromium, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1936	RVV
Cobalt, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1936	RVV
Copper, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1936	RVV
Lead, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1936	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1936	RVV
Selenium, total	0.0060	0.0020	mg/L		09/05/25 1609	09/08/25 1936	RVV
Silver, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1936	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1936	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1936	RVV
Zinc, total	0.0064	0.0050	mg/L		09/05/25 1609	09/08/25 1936	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-62R
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-13

Collected By: Whipple, Todd
Collection Date: 09/03/2025 11:15

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Bromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Chloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Acetone	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Chloroform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Benzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Dibromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Toluene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Xylenes, total	<2.0	2.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Styrene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Bromoform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-62R
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-13

Collected By: Whipple, Todd
Collection Date: 09/03/2025 11:15

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1216	RAF
Surrogate: Dibromofluoromethane	102	Limit: 75-136	% Rec		09/08/25 0000	09/08/25 1216	RAF
Surrogate: Dibromofluoromethane	102	Limit: 57-128	% Rec		09/08/25 0000	09/08/25 1216	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 49-135	% Rec		09/08/25 0000	09/08/25 1216	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 61-142	% Rec		09/08/25 0000	09/08/25 1216	RAF
Surrogate: Toluene-d8	99.5	Limit: 82-121	% Rec		09/08/25 0000	09/08/25 1216	RAF
Surrogate: Toluene-d8	99.5	Limit: 82-116	% Rec		09/08/25 0000	09/08/25 1216	RAF
Surrogate: 4-Bromofluorobenzene	93.6	Limit: 77-114	% Rec		09/08/25 0000	09/08/25 1216	RAF
Surrogate: 4-Bromofluorobenzene	93.6	Limit: 80-116	% Rec		09/08/25 0000	09/08/25 1216	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1938	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1938	RVV
Barium, total	1.13	0.0010	mg/L		09/05/25 1609	09/08/25 1938	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1938	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/05/25 1609	09/08/25 1938	RVV
Chromium, total	0.0012	0.0010	mg/L		09/05/25 1609	09/08/25 1938	RVV
Cobalt, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1938	RVV
Copper, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1938	RVV
Lead, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1938	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1938	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1938	RVV
Silver, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1938	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1938	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1938	RVV
Zinc, total	0.0131	0.0050	mg/L		09/05/25 1609	09/08/25 1938	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-79
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-14

Collected By: Whipple, Todd
Collection Date: 09/03/2025 13:04

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Bromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Chloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Acetone	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Chloroform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Benzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Dibromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Toluene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Xylenes, total	<2.0	2.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Styrene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Bromoform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-79
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-14

Collected By: Whipple, Todd
Collection Date: 09/03/2025 13:04

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1239	RAF
Surrogate: Dibromofluoromethane	104	Limit: 75-136	% Rec		09/08/25 0000	09/08/25 1239	RAF
Surrogate: Dibromofluoromethane	104	Limit: 57-128	% Rec		09/08/25 0000	09/08/25 1239	RAF
Surrogate: 1,2-Dichloroethane-d4	99.9	Limit: 61-142	% Rec		09/08/25 0000	09/08/25 1239	RAF
Surrogate: 1,2-Dichloroethane-d4	99.9	Limit: 49-135	% Rec		09/08/25 0000	09/08/25 1239	RAF
Surrogate: Toluene-d8	99.2	Limit: 82-116	% Rec		09/08/25 0000	09/08/25 1239	RAF
Surrogate: Toluene-d8	99.2	Limit: 82-121	% Rec		09/08/25 0000	09/08/25 1239	RAF
Surrogate: 4-Bromofluorobenzene	93.5	Limit: 80-116	% Rec		09/08/25 0000	09/08/25 1239	RAF
Surrogate: 4-Bromofluorobenzene	93.5	Limit: 77-114	% Rec		09/08/25 0000	09/08/25 1239	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1946	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1946	RVV
Barium, total	0.0549	0.0010	mg/L		09/05/25 1609	09/08/25 1946	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1946	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/05/25 1609	09/08/25 1946	RVV
Chromium, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1946	RVV
Cobalt, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1946	RVV
Copper, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1946	RVV
Lead, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1946	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1946	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1946	RVV
Silver, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1946	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1946	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1946	RVV
Zinc, total	0.0122	0.0050	mg/L		09/05/25 1609	09/08/25 1946	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-80
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-15

Collected By: Whipple, Todd
Collection Date: 09/03/2025 13:17

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Bromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Chloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Acetone	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Chloroform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Benzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Dibromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Toluene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Xylenes, total	<2.0	2.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Styrene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Bromoform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-80
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-15

Collected By: Whipple, Todd
Collection Date: 09/03/2025 13:17

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1301	RAF
Surrogate: Dibromofluoromethane	101	Limit: 75-136	% Rec		09/08/25 0000	09/08/25 1301	RAF
Surrogate: Dibromofluoromethane	101	Limit: 57-128	% Rec		09/08/25 0000	09/08/25 1301	RAF
Surrogate: 1,2-Dichloroethane-d4	97.7	Limit: 49-135	% Rec		09/08/25 0000	09/08/25 1301	RAF
Surrogate: 1,2-Dichloroethane-d4	97.7	Limit: 61-142	% Rec		09/08/25 0000	09/08/25 1301	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/08/25 0000	09/08/25 1301	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/08/25 0000	09/08/25 1301	RAF
Surrogate: 4-Bromofluorobenzene	92.5	Limit: 77-114	% Rec		09/08/25 0000	09/08/25 1301	RAF
Surrogate: 4-Bromofluorobenzene	92.5	Limit: 80-116	% Rec		09/08/25 0000	09/08/25 1301	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1948	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1948	RVV
Barium, total	0.120	0.0010	mg/L		09/05/25 1609	09/08/25 1948	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1948	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/05/25 1609	09/08/25 1948	RVV
Chromium, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1948	RVV
Cobalt, total	0.0006	0.0005	mg/L		09/05/25 1609	09/08/25 1948	RVV
Copper, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1948	RVV
Lead, total	<0.0010	0.0010	mg/L		09/05/25 1609	09/08/25 1948	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1948	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1948	RVV
Silver, total	<0.0050	0.0050	mg/L		09/05/25 1609	09/08/25 1948	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/05/25 1609	09/08/25 1948	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/05/25 1609	09/08/25 1948	RVV
Zinc, total	0.0060	0.0050	mg/L		09/05/25 1609	09/08/25 1948	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-36
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-16

Collected By: Whipple, Todd
Collection Date: 09/03/2025 11:43

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Bromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Chloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Acetone	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Chloroform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Benzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Dibromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Toluene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Xylenes, total	<2.0	2.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Styrene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Bromoform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-36
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-16

Collected By: Whipple, Todd
Collection Date: 09/03/2025 11:43

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1324	RAF
Surrogate: Dibromofluoromethane	105	Limit: 57-128	% Rec		09/08/25 0000	09/08/25 1324	RAF
Surrogate: Dibromofluoromethane	105	Limit: 75-136	% Rec		09/08/25 0000	09/08/25 1324	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 49-135	% Rec		09/08/25 0000	09/08/25 1324	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 61-142	% Rec		09/08/25 0000	09/08/25 1324	RAF
Surrogate: Toluene-d8	99.5	Limit: 82-116	% Rec		09/08/25 0000	09/08/25 1324	RAF
Surrogate: Toluene-d8	99.5	Limit: 82-121	% Rec		09/08/25 0000	09/08/25 1324	RAF
Surrogate: 4-Bromofluorobenzene	96.2	Limit: 77-114	% Rec		09/08/25 0000	09/08/25 1324	RAF
Surrogate: 4-Bromofluorobenzene	96.2	Limit: 80-116	% Rec		09/08/25 0000	09/08/25 1324	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1745	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1745	RVV
Barium, total	0.153	0.0010	mg/L		09/08/25 1451	09/09/25 1745	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1745	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/08/25 1451	09/09/25 1745	RVV
Chromium, total	0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1745	RVV
Cobalt, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1745	RVV
Copper, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1745	RVV
Lead, total	<0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1745	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1745	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1745	RVV
Silver, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1745	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1745	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1745	RVV
Zinc, total	0.0114	0.0050	mg/L		09/08/25 1451	09/09/25 1745	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-41
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-17

Collected By: Whipple, Todd
Collection Date: 09/03/2025 12:25

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Bromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Chloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Acetone	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
1,1-Dichloroethane	21.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
cis-1,2-Dichloroethylene	4.4	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Chloroform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Benzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
1,2-Dichloropropane	1.2	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Dibromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Toluene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Xylenes, total	<2.0	2.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Styrene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Bromoform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-41
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-17

Collected By: Whipple, Todd
Collection Date: 09/03/2025 12:25

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1347	RAF
Surrogate: Dibromofluoromethane	105	Limit: 57-128	% Rec		09/08/25 0000	09/08/25 1347	RAF
Surrogate: Dibromofluoromethane	105	Limit: 75-136	% Rec		09/08/25 0000	09/08/25 1347	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 49-135	% Rec		09/08/25 0000	09/08/25 1347	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 61-142	% Rec		09/08/25 0000	09/08/25 1347	RAF
Surrogate: Toluene-d8	98.9	Limit: 82-116	% Rec		09/08/25 0000	09/08/25 1347	RAF
Surrogate: Toluene-d8	98.9	Limit: 82-121	% Rec		09/08/25 0000	09/08/25 1347	RAF
Surrogate: 4-Bromofluorobenzene	92.3	Limit: 77-114	% Rec		09/08/25 0000	09/08/25 1347	RAF
Surrogate: 4-Bromofluorobenzene	92.3	Limit: 80-116	% Rec		09/08/25 0000	09/08/25 1347	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1753	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1753	RVV
Barium, total	0.0804	0.0010	mg/L		09/08/25 1451	09/09/25 1753	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1753	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/08/25 1451	09/09/25 1753	RVV
Chromium, total	0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1753	RVV
Cobalt, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1753	RVV
Copper, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1753	RVV
Lead, total	<0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1753	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1753	RVV
Selenium, total	0.0026	0.0020	mg/L		09/08/25 1451	09/09/25 1753	RVV
Silver, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1753	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1753	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1753	RVV
Zinc, total	0.0098	0.0050	mg/L		09/08/25 1451	09/09/25 1753	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-42
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-18

Collected By: Whipple, Todd
Collection Date: 09/03/2025 12:46

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Bromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Chloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Acetone	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Chloroform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Benzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Dibromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Toluene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Xylenes, total	<2.0	2.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Styrene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Bromoform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-42
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-18

Collected By: Whipple, Todd
Collection Date: 09/03/2025 12:46

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1410	RAF
Surrogate: Dibromofluoromethane	104	Limit: 57-128	% Rec		09/08/25 0000	09/08/25 1410	RAF
Surrogate: Dibromofluoromethane	104	Limit: 75-136	% Rec		09/08/25 0000	09/08/25 1410	RAF
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 49-135	% Rec		09/08/25 0000	09/08/25 1410	RAF
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 61-142	% Rec		09/08/25 0000	09/08/25 1410	RAF
Surrogate: Toluene-d8	104	Limit: 82-116	% Rec		09/08/25 0000	09/08/25 1410	RAF
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec		09/08/25 0000	09/08/25 1410	RAF
Surrogate: 4-Bromofluorobenzene	94.1	Limit: 77-114	% Rec		09/08/25 0000	09/08/25 1410	RAF
Surrogate: 4-Bromofluorobenzene	94.1	Limit: 80-116	% Rec		09/08/25 0000	09/08/25 1410	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1755	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1755	RVV
Barium, total	0.0256	0.0010	mg/L		09/08/25 1451	09/09/25 1755	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1755	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/08/25 1451	09/09/25 1755	RVV
Chromium, total	0.0011	0.0010	mg/L		09/08/25 1451	09/09/25 1755	RVV
Cobalt, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1755	RVV
Copper, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1755	RVV
Lead, total	<0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1755	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1755	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1755	RVV
Silver, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1755	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1755	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1755	RVV
Zinc, total	0.0127	0.0050	mg/L		09/08/25 1451	09/09/25 1755	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-58
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-19

Collected By: Whipple, Todd
Collection Date: 09/03/2025 12:52

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Bromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Chloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Acetone	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Chloroform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Benzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Dibromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Toluene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Xylenes, total	<2.0	2.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Styrene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Bromoform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-58
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-19

Collected By: Whipple, Todd
Collection Date: 09/03/2025 12:52

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1432	RAF
Surrogate: Dibromofluoromethane	108	Limit: 57-128	% Rec		09/08/25 0000	09/08/25 1432	RAF
Surrogate: Dibromofluoromethane	108	Limit: 75-136	% Rec		09/08/25 0000	09/08/25 1432	RAF
Surrogate: 1,2-Dichloroethane-d4	108	Limit: 49-135	% Rec		09/08/25 0000	09/08/25 1432	RAF
Surrogate: 1,2-Dichloroethane-d4	108	Limit: 61-142	% Rec		09/08/25 0000	09/08/25 1432	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/08/25 0000	09/08/25 1432	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/08/25 0000	09/08/25 1432	RAF
Surrogate: 4-Bromofluorobenzene	92.8	Limit: 80-116	% Rec		09/08/25 0000	09/08/25 1432	RAF
Surrogate: 4-Bromofluorobenzene	92.8	Limit: 77-114	% Rec		09/08/25 0000	09/08/25 1432	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1758	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1758	RVV
Barium, total	0.0255	0.0010	mg/L		09/08/25 1451	09/09/25 1758	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1758	RVV
Cadmium, total	0.0002	0.0002	mg/L		09/08/25 1451	09/09/25 1758	RVV
Chromium, total	0.0012	0.0010	mg/L		09/08/25 1451	09/09/25 1758	RVV
Cobalt, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1758	RVV
Copper, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1758	RVV
Lead, total	<0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1758	RVV
Nickel, total	0.0131	0.0050	mg/L		09/08/25 1451	09/09/25 1758	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1758	RVV
Silver, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1758	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1758	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1758	RVV
Zinc, total	0.0080	0.0050	mg/L		09/08/25 1451	09/09/25 1758	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-59
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-20

Collected By: Whipple, Todd
Collection Date: 09/03/2025 10:58

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Bromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Chloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Acetone	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Chloroform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Benzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Dibromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Toluene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Xylenes, total	<2.0	2.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Styrene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Bromoform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-59
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-20

Collected By: Whipple, Todd
Collection Date: 09/03/2025 10:58

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1455	RAF
Surrogate: Dibromofluoromethane	108	Limit: 57-128	% Rec		09/08/25 0000	09/08/25 1455	RAF
Surrogate: Dibromofluoromethane	108	Limit: 75-136	% Rec		09/08/25 0000	09/08/25 1455	RAF
Surrogate: 1,2-Dichloroethane-d4	109	Limit: 61-142	% Rec		09/08/25 0000	09/08/25 1455	RAF
Surrogate: 1,2-Dichloroethane-d4	109	Limit: 49-135	% Rec		09/08/25 0000	09/08/25 1455	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/08/25 0000	09/08/25 1455	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/08/25 0000	09/08/25 1455	RAF
Surrogate: 4-Bromofluorobenzene	91.8	Limit: 80-116	% Rec		09/08/25 0000	09/08/25 1455	RAF
Surrogate: 4-Bromofluorobenzene	91.8	Limit: 77-114	% Rec		09/08/25 0000	09/08/25 1455	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1800	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1800	RVV
Barium, total	0.0461	0.0010	mg/L		09/08/25 1451	09/09/25 1800	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1800	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/08/25 1451	09/09/25 1800	RVV
Chromium, total	0.0011	0.0010	mg/L		09/08/25 1451	09/09/25 1800	RVV
Cobalt, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1800	RVV
Copper, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1800	RVV
Lead, total	<0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1800	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1800	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1800	RVV
Silver, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1800	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1800	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1800	RVV
Zinc, total	0.0061	0.0050	mg/L		09/08/25 1451	09/09/25 1800	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-60
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-21

Collected By: Whipple, Todd
Collection Date: 09/03/2025 11:55

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Bromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Chloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Acetone	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Chloroform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Benzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Dibromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Toluene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Xylenes, total	<2.0	2.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Styrene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Bromoform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-60
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-21

Collected By: Whipple, Todd
Collection Date: 09/03/2025 11:55

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1518	RAF
Surrogate: Dibromofluoromethane	108	Limit: 75-136	% Rec		09/08/25 0000	09/08/25 1518	RAF
Surrogate: Dibromofluoromethane	108	Limit: 57-128	% Rec		09/08/25 0000	09/08/25 1518	RAF
Surrogate: 1,2-Dichloroethane-d4	107	Limit: 61-142	% Rec		09/08/25 0000	09/08/25 1518	RAF
Surrogate: 1,2-Dichloroethane-d4	107	Limit: 49-135	% Rec		09/08/25 0000	09/08/25 1518	RAF
Surrogate: Toluene-d8	99.5	Limit: 82-121	% Rec		09/08/25 0000	09/08/25 1518	RAF
Surrogate: Toluene-d8	99.5	Limit: 82-116	% Rec		09/08/25 0000	09/08/25 1518	RAF
Surrogate: 4-Bromofluorobenzene	89.2	Limit: 80-116	% Rec		09/08/25 0000	09/08/25 1518	RAF
Surrogate: 4-Bromofluorobenzene	89.2	Limit: 77-114	% Rec		09/08/25 0000	09/08/25 1518	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1803	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1803	RVV
Barium, total	0.326	0.0010	mg/L		09/08/25 1451	09/09/25 1803	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1803	RVV
Cadmium, total	0.0002	0.0002	mg/L		09/08/25 1451	09/09/25 1803	RVV
Chromium, total	0.0012	0.0010	mg/L		09/08/25 1451	09/09/25 1803	RVV
Cobalt, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1803	RVV
Copper, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1803	RVV
Lead, total	<0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1803	RVV
Nickel, total	0.0152	0.0050	mg/L		09/08/25 1451	09/09/25 1803	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1803	RVV
Silver, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1803	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1803	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1803	RVV
Zinc, total	0.0134	0.0050	mg/L		09/08/25 1451	09/09/25 1803	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-61
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-22

Collected By: Whipple, Todd
Collection Date: 09/03/2025 12:04

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Bromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Chloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Acetone	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Chloroform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Benzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Dibromomethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Toluene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Xylenes, total	<2.0	2.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Styrene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Bromoform	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: MW-61
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-22

Collected By: Whipple, Todd
Collection Date: 09/03/2025 12:04

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/08/25 0000	09/08/25 1541	RAF
Surrogate: Dibromofluoromethane	109	Limit: 75-136	% Rec		09/08/25 0000	09/08/25 1541	RAF
Surrogate: Dibromofluoromethane	109	Limit: 57-128	% Rec		09/08/25 0000	09/08/25 1541	RAF
Surrogate: 1,2-Dichloroethane-d4	110	Limit: 49-135	% Rec		09/08/25 0000	09/08/25 1541	RAF
Surrogate: 1,2-Dichloroethane-d4	110	Limit: 61-142	% Rec		09/08/25 0000	09/08/25 1541	RAF
Surrogate: Toluene-d8	99.3	Limit: 82-121	% Rec		09/08/25 0000	09/08/25 1541	RAF
Surrogate: Toluene-d8	99.3	Limit: 82-116	% Rec		09/08/25 0000	09/08/25 1541	RAF
Surrogate: 4-Bromofluorobenzene	94.3	Limit: 77-114	% Rec		09/08/25 0000	09/08/25 1541	RAF
Surrogate: 4-Bromofluorobenzene	94.3	Limit: 80-116	% Rec		09/08/25 0000	09/08/25 1541	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1805	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1805	RVV
Barium, total	0.0611	0.0010	mg/L		09/08/25 1451	09/09/25 1805	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1805	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/08/25 1451	09/09/25 1805	RVV
Chromium, total	0.0013	0.0010	mg/L		09/08/25 1451	09/09/25 1805	RVV
Cobalt, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1805	RVV
Copper, total	0.0065	0.0050	mg/L		09/08/25 1451	09/09/25 1805	RVV
Lead, total	<0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1805	RVV
Nickel, total	0.0058	0.0050	mg/L		09/08/25 1451	09/09/25 1805	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1805	RVV
Silver, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1805	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1805	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1805	RVV
Zinc, total	0.0082	0.0050	mg/L		09/08/25 1451	09/09/25 1805	RVV

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CERTIFICATE OF ANALYSIS

11I0470

Client Sample ID: Duplicate
Sample Matrix: Aqueous
Lab Sample ID: 11I0470-23

Collected By: Whipple, Todd
Collection Date: 09/03/2025

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1808	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1808	RVV
Barium, total	0.0427	0.0010	mg/L		09/08/25 1451	09/09/25 1808	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1808	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/08/25 1451	09/09/25 1808	RVV
Chromium, total	0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1808	RVV
Cobalt, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1808	RVV
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0137	JAR
Lead, total	<0.0010	0.0010	mg/L		09/08/25 1451	09/09/25 1808	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1808	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1808	RVV
Silver, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1808	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/08/25 1451	09/09/25 1808	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/08/25 1451	09/09/25 1808	RVV
Zinc, total	<0.0050	0.0050	mg/L		09/08/25 1451	09/09/25 1808	RVV



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CERTIFICATE OF ANALYSIS

11I0470

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	11I0341	11I0341-BS1	
		11I0341-BSD1	
		11I0341-BLK1	
		11I0470-01	MW-44
		11I0470-02	MW-57
		11I0470-03	MW-56
		11I0470-04	MW-64
		11I0470-05	MW-65
		11I0470-06	SW-101R
		11I0470-07	PECS-1
		11I0470-08	SW-102
		11I0470-09	SW-103
		11I0470-10	MW-48 (B)
		11I0341-MS1	11I0470-01
		11I0341-MSD1	11I0470-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	11I0356	11I0356-BLK1	
		11I0356-BS1	
		11I0470-01	MW-44
		11I0356-MS1	11I0470-01
		11I0356-MSD1	11I0470-01
		11I0356-PS1	11I0470-01
		11I0470-02	MW-57
		11I0470-03	MW-56
		11I0470-04	MW-64
		11I0470-05	MW-65
		11I0470-06	SW-101R
		11I0470-08	SW-102
		11I0470-09	SW-103
		11I0470-10	MW-48 (B)
		11I0470-11	MW-39 (B)
		11I0470-12	MW-78 (B)
		11I0470-13	MW-62R
		11I0470-14	MW-79
		11I0470-15	MW-80
Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	11I0424	11I0424-BLK1	
		11I0424-BS1	
		11I0470-16	MW-36
		11I0470-17	MW-41
		11I0470-18	MW-42
		11I0470-19	MW-58
		11I0470-20	MW-59
		11I0470-21	MW-60
		11I0470-22	MW-61
		11I0470-23	Duplicate
		11I0424-MS1	11I0590-01
		11I0424-MSD1	11I0590-01
		11I0424-PS1	11I0590-01

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CERTIFICATE OF ANALYSIS

11I0470

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	11I0438	11I0438-BS1	
		11I0438-BSD1	
		11I0438-BLK1	
		11I0470-11	MW-39 (B)
		11I0470-12	MW-78 (B)
		11I0470-13	MW-62R
		11I0470-14	MW-79
		11I0470-15	MW-80
		11I0470-16	MW-36
		11I0470-17	MW-41
		11I0470-18	MW-42
		11I0470-19	MW-58
		11I0470-20	MW-59
		11I0470-21	MW-60
		11I0470-22	MW-61
		11I0438-MS1	11I0470-12
		11I0438-MSD1	11I0470-12
Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	11I1138	11I1138-BLK1	
		11I1138-BS1	
		11I0470-23RE1	Duplicate
		11I1138-MS1	11I1427-01
		11I1138-MSD1	11I1427-01
		11I1138-PS1	11I1427-01

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0341 - EPA 5030B - EPA 8260D										
Blank (11I0341-BLK1)				Prepared: 09/05/25 00:00 Analyzed: 09/05/25 10:48						
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							
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							

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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 11I0341 - EPA 5030B - EPA 8260D										
Blank (11I0341-BLK1)										
Prepared: 09/05/25 00:00 Analyzed: 09/05/25 10:48										
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	49.8		ug/L	50.2		99.3	57-128			
Surrogate: Dibromofluoromethane	49.8		ug/L	50.2		99.3	75-136			
Surrogate: 1,2-Dichloroethane-d4	50.8		ug/L	50.4		101	49-135			
Surrogate: 1,2-Dichloroethane-d4	50.8		ug/L	50.4		101	61-142			
Surrogate: Toluene-d8	49.1		ug/L	50.5		97.4	82-116			
Surrogate: Toluene-d8	49.1		ug/L	50.5		97.4	82-121			
Surrogate: 4-Bromofluorobenzene	47.0		ug/L	50.2		93.6	77-114			
Surrogate: 4-Bromofluorobenzene	47.0		ug/L	50.2		93.6	80-116			
LCS (11I0341-BS1)										
Prepared: 09/05/25 00:00 Analyzed: 09/05/25 09:16										
Chloromethane	35.75	1.0	ug/L	30.3		118	63-155			
Vinyl Chloride	34.81	1.0	ug/L	30.2		115	70-154			
Bromomethane	29.17	1.0	ug/L	30.1		96.8	52-176			
Chloroethane	31.05	1.0	ug/L	30.3		102	72-148			

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CERTIFICATE OF ANALYSIS

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0341 - EPA 5030B - EPA 8260D										
LCS (11I0341-BS1)				Prepared: 09/05/25 00:00 Analyzed: 09/05/25 09:16						
Trichlorofluoromethane	32.49	1.0	ug/L	30.3		107	70-152			
1,1-Dichloroethylene	56.00	1.0	ug/L	50.1		112	70-148			
Acetone	86.77	10.0	ug/L	100		86.8	43-172			
Methyl Iodide	94.97	1.0	ug/L	100		95.0	69-170			
Carbon Disulfide	114.2	1.0	ug/L	100		114	72-162			
Methylene Chloride	49.77	5.0	ug/L	50.1		99.3	68-142			
Acrylonitrile	97.89	5.0	ug/L	100		97.9	33-163			
trans-1,2-Dichloroethylene	52.22	1.0	ug/L	50.1		104	66-148			
1,1-Dichloroethane	55.21	1.0	ug/L	50.1		110	66-143			
Vinyl Acetate	182.0	5.0	ug/L	131		139	43-153			
cis-1,2-Dichloroethylene	52.54	1.0	ug/L	50.4		104	71-149			
2-Butanone (MEK)	104.6	10.0	ug/L	100		105	52-159			
Bromochloromethane	50.74	1.0	ug/L	50.4		101	69-143			
Chloroform	52.23	1.0	ug/L	50.1		104	69-144			
1,1,1-Trichloroethane	54.89	1.0	ug/L	50.1		110	62-129			
Carbon Tetrachloride	55.27	1.0	ug/L	50.1		110	63-141			
Benzene	51.90	1.0	ug/L	50.4		103	71-134			
1,2-Dichloroethane	51.64	1.0	ug/L	50.1		103	72-132			
Trichloroethylene	54.48	1.0	ug/L	50.1		109	71-135			
1,2-Dichloropropane	51.86	1.0	ug/L	50.1		104	69-136			
Dibromomethane	49.15	1.0	ug/L	50.4		97.6	73-147			
Bromodichloromethane	53.36	1.0	ug/L	50.1		107	68-129			
cis-1,3-Dichloropropene	55.62	1.0	ug/L	50.1		111	65-134			
4-Methyl-2-pentanone (MIBK)	101.6	5.0	ug/L	100		102	58-147			
Toluene	50.43	1.0	ug/L	50.5		99.9	72-133			
trans-1,3-Dichloropropene	58.69	1.0	ug/L	50.1		117	67-130			
1,1,2-Trichloroethane	50.65	1.0	ug/L	50.1		101	69-135			
Tetrachloroethylene	54.73	1.0	ug/L	50.1		109	69-130			
2-Hexanone (MBK)	103.1	5.0	ug/L	100		103	55-144			
Dibromochloromethane	53.95	1.0	ug/L	50.1		108	73-127			
1,2-Dibromoethane	54.20	1.0	ug/L	50.2		108	67-132			
Chlorobenzene	52.89	1.0	ug/L	50.1		106	72-123			
1,1,1,2-Tetrachloroethane	54.76	1.0	ug/L	50.3		109	73-127			
Ethylbenzene	53.15	1.0	ug/L	50.2		106	71-127			
Xylenes, total	160.5	2.0	ug/L	151		106	74-127			
Styrene	56.02	1.0	ug/L	50.4		111	66-126			
Bromoform	57.09	1.0	ug/L	50.1		114	68-130			
1,2,3-Trichloropropane	55.58	1.0	ug/L	50.3		110	63-136			
trans-1,4-Dichloro-2-butene	118.5	5.0	ug/L	100		118	54-134			
1,1,2,2-Tetrachloroethane	49.40	1.0	ug/L	50.1		98.6	61-131			
1,4-Dichlorobenzene	47.83	1.0	ug/L	50.1		95.4	70-129			
1,2-Dichlorobenzene	50.18	1.0	ug/L	50.1		100	69-126			
1,2-Dibromo-3-chloropropane	49.17	5.0	ug/L	50.1		98.1	50-143			

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CERTIFICATE OF ANALYSIS

11I0470

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0341 - EPA 5030B - EPA 8260D										
LCS (11I0341-BS1)										
				Prepared: 09/05/25 00:00 Analyzed: 09/05/25 09:16						
Surrogate: Dibromofluoromethane	50.4		ug/L	50.2		100	57-128			
Surrogate: Dibromofluoromethane	50.4		ug/L	50.2		100	75-136			
Surrogate: 1,2-Dichloroethane-d4	51.5		ug/L	50.4		102	49-135			
Surrogate: 1,2-Dichloroethane-d4	51.5		ug/L	50.4		102	61-142			
Surrogate: Toluene-d8	49.5		ug/L	50.5		98.0	82-116			
Surrogate: Toluene-d8	49.5		ug/L	50.5		98.0	82-121			
Surrogate: 4-Bromofluorobenzene	53.1		ug/L	50.2		106	80-116			
Surrogate: 4-Bromofluorobenzene	53.1		ug/L	50.2		106	77-114			
LCS Dup (11I0341-BS1)										
				Prepared: 09/05/25 00:00 Analyzed: 09/05/25 09:39						
Chloromethane	34.50	1.0	ug/L	30.3		114	63-155	3.56	24	
Vinyl Chloride	32.53	1.0	ug/L	30.2		108	70-154	6.77	25	
Bromomethane	28.88	1.0	ug/L	30.1		95.9	52-176	0.999	27	
Chloroethane	29.95	1.0	ug/L	30.3		98.8	72-148	3.61	25	
Trichlorofluoromethane	32.34	1.0	ug/L	30.3		107	70-152	0.463	26	
1,1-Dichloroethylene	54.21	1.0	ug/L	50.1		108	70-148	3.25	24	
Acetone	86.37	10.0	ug/L	100		86.4	43-172	0.462	30	
Methyl Iodide	93.51	1.0	ug/L	100		93.5	69-170	1.55	30	
Carbon Disulfide	107.3	1.0	ug/L	100		107	72-162	6.22	24	
Methylene Chloride	50.04	5.0	ug/L	50.1		99.9	68-142	0.541	21	
Acrylonitrile	107.3	5.0	ug/L	100		107	33-163	9.21	28	
trans-1,2-Dichloroethylene	51.62	1.0	ug/L	50.1		103	66-148	1.16	27	
1,1-Dichloroethane	52.66	1.0	ug/L	50.1		105	66-143	4.73	24	
Vinyl Acetate	182.0	5.0	ug/L	131		139	43-153	0.0330	30	
cis-1,2-Dichloroethylene	50.80	1.0	ug/L	50.4		101	71-149	3.37	26	
2-Butanone (MEK)	108.1	10.0	ug/L	100		108	52-159	3.24	27	
Bromochloromethane	50.06	1.0	ug/L	50.4		99.3	69-143	1.35	23	
Chloroform	50.47	1.0	ug/L	50.1		101	69-144	3.43	23	
1,1,1-Trichloroethane	51.39	1.0	ug/L	50.1		103	62-129	6.59	24	
Carbon Tetrachloride	53.69	1.0	ug/L	50.1		107	63-141	2.90	25	
Benzene	48.18	1.0	ug/L	50.4		95.5	71-134	7.43	24	
1,2-Dichloroethane	50.02	1.0	ug/L	50.1		99.9	72-132	3.19	24	
Trichloroethylene	48.99	1.0	ug/L	50.1		97.8	71-135	10.6	24	
1,2-Dichloropropane	49.15	1.0	ug/L	50.1		98.1	69-136	5.37	24	
Dibromomethane	45.89	1.0	ug/L	50.4		91.1	73-147	6.86	25	
Bromodichloromethane	48.80	1.0	ug/L	50.1		97.4	68-129	8.93	22	
cis-1,3-Dichloropropene	51.38	1.0	ug/L	50.1		103	65-134	7.93	23	
4-Methyl-2-pentanone (MIBK)	100.3	5.0	ug/L	100		100	58-147	1.25	27	
Toluene	47.73	1.0	ug/L	50.5		94.6	72-133	5.50	24	
trans-1,3-Dichloropropene	54.53	1.0	ug/L	50.1		109	67-130	7.35	24	
1,1,2-Trichloroethane	47.84	1.0	ug/L	50.1		95.5	69-135	5.71	23	
Tetrachloroethylene	51.89	1.0	ug/L	50.1		104	69-130	5.33	25	
2-Hexanone (MBK)	102.8	5.0	ug/L	100		103	55-144	0.330	25	
Dibromochloromethane	51.66	1.0	ug/L	50.1		103	73-127	4.34	22	

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CERTIFICATE OF ANALYSIS

11I0470

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0341 - EPA 5030B - EPA 8260D										
LCS Dup (11I0341-BSD1)										
				Prepared: 09/05/25 00:00 Analyzed: 09/05/25 09:39						
1,2-Dibromoethane	51.79	1.0	ug/L	50.2		103	67-132	4.55	24	
Chlorobenzene	50.43	1.0	ug/L	50.1		101	72-123	4.76	23	
1,1,1,2-Tetrachloroethane	51.17	1.0	ug/L	50.3		102	73-127	6.78	24	
Ethylbenzene	50.97	1.0	ug/L	50.2		102	71-127	4.19	26	
Xylenes, total	153.2	2.0	ug/L	151		101	74-127	4.67	25	
Styrene	53.56	1.0	ug/L	50.4		106	66-126	4.49	23	
Bromoform	57.05	1.0	ug/L	50.1		114	68-130	0.0701	23	
1,2,3-Trichloropropane	54.74	1.0	ug/L	50.3		109	63-136	1.52	24	
trans-1,4-Dichloro-2-butene	111.3	5.0	ug/L	100		111	54-134	6.22	27	
1,1,1,2-Tetrachloroethane	50.59	1.0	ug/L	50.1		101	61-131	2.38	29	
1,4-Dichlorobenzene	47.13	1.0	ug/L	50.1		94.0	70-129	1.47	24	
1,2-Dichlorobenzene	49.75	1.0	ug/L	50.1		99.3	69-126	0.861	26	
1,2-Dibromo-3-chloropropane	52.44	5.0	ug/L	50.1		105	50-143	6.44	30	
Surrogate: Dibromofluoromethane	51.5		ug/L	50.2		103	57-128			
Surrogate: Dibromofluoromethane	51.5		ug/L	50.2		103	75-136			
Surrogate: 1,2-Dichloroethane-d4	51.0		ug/L	50.4		101	49-135			
Surrogate: 1,2-Dichloroethane-d4	51.0		ug/L	50.4		101	61-142			
Surrogate: Toluene-d8	47.8		ug/L	50.5		94.7	82-116			
Surrogate: Toluene-d8	47.8		ug/L	50.5		94.7	82-121			
Surrogate: 4-Bromofluorobenzene	53.2		ug/L	50.2		106	77-114			
Surrogate: 4-Bromofluorobenzene	53.2		ug/L	50.2		106	80-116			
Matrix Spike (11I0341-MS1)										
				Source: 11I0470-01	Prepared: 09/05/25 00:00 Analyzed: 09/05/25 18:01					
Chloromethane	328.7	10.0	ug/L	303	ND	108	61-152			
Vinyl Chloride	321.3	10.0	ug/L	302	ND	106	66-149			
Bromomethane	406.7	10.0	ug/L	301	ND	135	43-171			
Chloroethane	330.9	10.0	ug/L	303	ND	109	69-148			
Trichlorofluoromethane	334.8	10.0	ug/L	303	ND	110	62-163			
1,1-Dichloroethylene	549.3	10.0	ug/L	501	ND	110	70-148			
Acetone	1228	100	ug/L	1000	ND	123	45-173			
Methyl Iodide	833.3	10.0	ug/L	1000	ND	83.3	62-167			
Carbon Disulfide	1101	10.0	ug/L	1000	ND	110	71-163			
Methylene Chloride	510.7	50.0	ug/L	501	ND	102	69-140			
Acrylonitrile	1747	50.0	ug/L	1000	ND	175	32-159			M1
trans-1,2-Dichloroethylene	511.5	10.0	ug/L	501	ND	102	69-144			
1,1-Dichloroethane	524.8	10.0	ug/L	501	ND	105	70-138			
Vinyl Acetate	1646	50.0	ug/L	1310	ND	126	58-142			
cis-1,2-Dichloroethylene	487.5	10.0	ug/L	504	ND	96.8	68-151			
2-Butanone (MEK)	1174	100	ug/L	1000	ND	117	50-160			
Bromochloromethane	499.2	10.0	ug/L	504	ND	99.0	65-143			
Chloroform	511.3	10.0	ug/L	501	ND	102	71-143			
1,1,1-Trichloroethane	506.9	10.0	ug/L	501	ND	101	63-133			
Carbon Tetrachloride	498.2	10.0	ug/L	501	ND	99.5	63-142			
Benzene	494.4	10.0	ug/L	504	ND	98.0	69-133			

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CERTIFICATE OF ANALYSIS

11I0470

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0341 - EPA 5030B - EPA 8260D										
Matrix Spike (11I0341-MS1)	Source: 11I0470-01			Prepared: 09/05/25 00:00 Analyzed: 09/05/25 18:01						
1,2-Dichloroethane	518.3	10.0	ug/L	501	ND	103	63-138			
Trichloroethylene	521.5	10.0	ug/L	501	ND	104	71-133			
1,2-Dichloropropane	515.9	10.0	ug/L	501	ND	103	69-132			
Dibromomethane	476.1	10.0	ug/L	504	ND	94.5	70-147			
Bromodichloromethane	495.9	10.0	ug/L	501	ND	99.0	67-130			
cis-1,3-Dichloropropene	517.3	10.0	ug/L	501	ND	103	61-126			
4-Methyl-2-pentanone (MIBK)	1005	50.0	ug/L	1000	ND	100	55-147			
Toluene	492.8	10.0	ug/L	505	ND	97.6	71-133			
trans-1,3-Dichloropropene	527.5	10.0	ug/L	501	ND	105	63-124			
1,1,2-Trichloroethane	500.5	10.0	ug/L	501	ND	99.9	69-133			
Tetrachloroethylene	520.2	10.0	ug/L	501	ND	104	70-124			
2-Hexanone (MBK)	1068	50.0	ug/L	1000	ND	107	53-141			
Dibromochloromethane	469.8	10.0	ug/L	501	ND	93.8	74-122			
1,2-Dibromoethane	526.2	10.0	ug/L	502	ND	105	66-127			
Chlorobenzene	504.4	10.0	ug/L	501	ND	101	76-116			
1,1,1,2-Tetrachloroethane	488.2	10.0	ug/L	503	ND	97.0	77-121			
Ethylbenzene	519.0	10.0	ug/L	502	ND	103	73-124			
Xylenes, total	1576	20.0	ug/L	1510	ND	104	75-123			
Styrene	553.8	10.0	ug/L	504	ND	110	70-120			
Bromoform	491.3	10.0	ug/L	501	ND	98.0	70-124			
1,2,3-Trichloropropane	539.6	10.0	ug/L	503	ND	107	62-135			
trans-1,4-Dichloro-2-butene	999.6	50.0	ug/L	1000	ND	100	50-120			
1,1,2,2-Tetrachloroethane	488.0	10.0	ug/L	501	ND	97.4	63-126			
1,4-Dichlorobenzene	464.2	10.0	ug/L	501	ND	92.6	72-119			
1,2-Dichlorobenzene	489.4	10.0	ug/L	501	ND	97.7	71-117			
1,2-Dibromo-3-chloropropane	428.6	50.0	ug/L	501	ND	85.5	49-134			
Surrogate: Dibromofluoromethane	508		ug/L	502		101	57-128			
Surrogate: Dibromofluoromethane	508		ug/L	502		101	75-136			
Surrogate: 1,2-Dichloroethane-d4	502		ug/L	504		99.7	49-135			
Surrogate: 1,2-Dichloroethane-d4	502		ug/L	504		99.7	61-142			
Surrogate: Toluene-d8	496		ug/L	505		98.3	82-116			
Surrogate: Toluene-d8	496		ug/L	505		98.3	82-121			
Surrogate: 4-Bromofluorobenzene	540		ug/L	502		108	77-114			
Surrogate: 4-Bromofluorobenzene	540		ug/L	502		108	80-116			
Matrix Spike Dup (11I0341-MSD1)	Source: 11I0470-01			Prepared: 09/05/25 00:00 Analyzed: 09/05/25 18:24						
Chloromethane	326.5	10.0	ug/L	303	ND	108	61-152	0.672	26	
Vinyl Chloride	324.9	10.0	ug/L	302	ND	107	66-149	1.11	23	
Bromomethane	288.4	10.0	ug/L	301	ND	95.7	43-171	34.0	29	R1
Chloroethane	288.5	10.0	ug/L	303	ND	95.2	69-148	13.7	25	
Trichlorofluoromethane	334.5	10.0	ug/L	303	ND	110	62-163	0.0896	25	
1,1-Dichloroethylene	536.9	10.0	ug/L	501	ND	107	70-148	2.28	22	
Acetone	1167	100	ug/L	1000	ND	117	45-173	5.03	30	
Methyl Iodide	932.8	10.0	ug/L	1000	ND	93.3	62-167	11.3	24	

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CERTIFICATE OF ANALYSIS

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0341 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11I0341-MSD1) Source: 11I0470-01 Prepared: 09/05/25 00:00 Analyzed: 09/05/25 18:24										
Carbon Disulfide	1070	10.0	ug/L	1000	ND	107	71-163	2.93	22	
Methylene Chloride	497.0	50.0	ug/L	501	ND	99.2	69-140	2.72	19	
Acrylonitrile	1753	50.0	ug/L	1000	ND	175	32-159	0.360	30	M1
trans-1,2-Dichloroethylene	505.3	10.0	ug/L	501	ND	101	69-144	1.22	22	
1,1-Dichloroethane	506.5	10.0	ug/L	501	ND	101	70-138	3.55	20	
Vinyl Acetate	1681	50.0	ug/L	1310	ND	128	58-142	2.15	24	
cis-1,2-Dichloroethylene	485.8	10.0	ug/L	504	ND	96.5	68-151	0.349	22	
2-Butanone (MEK)	1153	100	ug/L	1000	ND	115	50-160	1.84	23	
Bromochloromethane	487.5	10.0	ug/L	504	ND	96.7	65-143	2.37	22	
Chloroform	509.2	10.0	ug/L	501	ND	102	71-143	0.412	21	
1,1,1-Trichloroethane	521.9	10.0	ug/L	501	ND	104	63-133	2.92	23	
Carbon Tetrachloride	514.1	10.0	ug/L	501	ND	103	63-142	3.14	22	
Benzene	498.0	10.0	ug/L	504	ND	98.7	69-133	0.726	18	
1,2-Dichloroethane	511.7	10.0	ug/L	501	ND	102	63-138	1.28	20	
Trichloroethylene	517.7	10.0	ug/L	501	ND	103	71-133	0.731	23	
1,2-Dichloropropane	515.1	10.0	ug/L	501	ND	103	69-132	0.155	20	
Dibromomethane	494.5	10.0	ug/L	504	ND	98.2	70-147	3.79	22	
Bromodichloromethane	512.9	10.0	ug/L	501	ND	102	67-130	3.37	21	
cis-1,3-Dichloropropene	543.0	10.0	ug/L	501	ND	108	61-126	4.85	21	
4-Methyl-2-pentanone (MIBK)	1036	50.0	ug/L	1000	ND	104	55-147	3.11	23	
Toluene	483.2	10.0	ug/L	505	ND	95.7	71-133	1.97	19	
trans-1,3-Dichloropropene	556.0	10.0	ug/L	501	ND	111	63-124	5.26	21	
1,1,2-Trichloroethane	492.2	10.0	ug/L	501	ND	98.3	69-133	1.67	19	
Tetrachloroethylene	516.4	10.0	ug/L	501	ND	103	70-124	0.733	24	
2-Hexanone (MBK)	1058	50.0	ug/L	1000	ND	106	53-141	1.01	24	
Dibromochloromethane	495.3	10.0	ug/L	501	ND	98.9	74-122	5.28	21	
1,2-Dibromoethane	527.1	10.0	ug/L	502	ND	105	66-127	0.171	23	
Chlorobenzene	497.8	10.0	ug/L	501	ND	99.4	76-116	1.32	21	
1,1,1,2-Tetrachloroethane	495.4	10.0	ug/L	503	ND	98.4	77-121	1.46	25	
Ethylbenzene	509.3	10.0	ug/L	502	ND	102	73-124	1.89	20	
Xylenes, total	1538	20.0	ug/L	1510	ND	102	75-123	2.43	20	
Styrene	539.9	10.0	ug/L	504	ND	107	70-120	2.54	23	
Bromoform	506.5	10.0	ug/L	501	ND	101	70-124	3.05	22	
1,2,3-Trichloropropane	539.4	10.0	ug/L	503	ND	107	62-135	0.0371	28	
trans-1,4-Dichloro-2-butene	1011	50.0	ug/L	1000	ND	101	50-120	1.16	26	
1,1,2,2-Tetrachloroethane	489.2	10.0	ug/L	501	ND	97.6	63-126	0.246	24	
1,4-Dichlorobenzene	470.1	10.0	ug/L	501	ND	93.8	72-119	1.26	24	
1,2-Dichlorobenzene	503.9	10.0	ug/L	501	ND	101	71-117	2.92	24	
1,2-Dibromo-3-chloropropane	496.1	50.0	ug/L	501	ND	99.0	49-134	14.6	28	
Surrogate: Dibromofluoromethane	503		ug/L	502		100	57-128			
Surrogate: Dibromofluoromethane	503		ug/L	502		100	75-136			
Surrogate: 1,2-Dichloroethane-d4	517		ug/L	504		103	49-135			
Surrogate: 1,2-Dichloroethane-d4	517		ug/L	504		103	61-142			

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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 11I0341 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11I0341-MSD1)	Source: 11I0470-01			Prepared: 09/05/25 00:00 Analyzed: 09/05/25 18:24						
Surrogate: Toluene-d8	491		ug/L	505		97.3	82-116			
Surrogate: Toluene-d8	491		ug/L	505		97.3	82-121			
Surrogate: 4-Bromofluorobenzene	521		ug/L	502		104	77-114			
Surrogate: 4-Bromofluorobenzene	521		ug/L	502		104	80-116			

Batch 11I0438 - EPA 5030B - EPA 8260D

Blank (11I0438-BLK1) Prepared: 09/08/25 00:00 Analyzed: 09/08/25 11:07

Chloromethane	<1.0	1.0	ug/L
Vinyl Chloride	<1.0	1.0	ug/L
Bromomethane	<1.0	1.0	ug/L
Chloroethane	<1.0	1.0	ug/L
Trichlorofluoromethane	<1.0	1.0	ug/L
1,1-Dichloroethylene	<1.0	1.0	ug/L
Acetone	<10.0	10.0	ug/L
Methyl Iodide	<1.0	1.0	ug/L
Carbon Disulfide	<1.0	1.0	ug/L
Methylene Chloride	<5.0	5.0	ug/L
Acrylonitrile	<5.0	5.0	ug/L
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L
1,1-Dichloroethane	<1.0	1.0	ug/L
Vinyl Acetate	<5.0	5.0	ug/L
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L
2-Butanone (MEK)	<10.0	10.0	ug/L
Bromochloromethane	<1.0	1.0	ug/L
Chloroform	<1.0	1.0	ug/L
1,1,1-Trichloroethane	<1.0	1.0	ug/L
Carbon Tetrachloride	<1.0	1.0	ug/L
Benzene	<1.0	1.0	ug/L
1,2-Dichloroethane	<1.0	1.0	ug/L
Trichloroethylene	<1.0	1.0	ug/L
1,2-Dichloropropane	<1.0	1.0	ug/L
Dibromomethane	<1.0	1.0	ug/L
Bromodichloromethane	<1.0	1.0	ug/L
cis-1,3-Dichloropropene	<1.0	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L
Toluene	<1.0	1.0	ug/L
trans-1,3-Dichloropropene	<1.0	1.0	ug/L
1,1,2-Trichloroethane	<1.0	1.0	ug/L
Tetrachloroethylene	<1.0	1.0	ug/L
2-Hexanone (MBK)	<5.0	5.0	ug/L
Dibromochloromethane	<1.0	1.0	ug/L
1,2-Dibromoethane	<1.0	1.0	ug/L

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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 11I0438 - EPA 5030B - EPA 8260D										
Blank (11I0438-BLK1)										
				Prepared: 09/08/25 00:00 Analyzed: 09/08/25 11:07						
Chlorobenzene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							
Surrogate: Dibromofluoromethane	48.7		ug/L	50.2		97.0	57-128			
Surrogate: Dibromofluoromethane	48.7		ug/L	50.2		97.0	75-136			
Surrogate: 1,2-Dichloroethane-d4	50.1		ug/L	50.4		99.5	49-135			
Surrogate: 1,2-Dichloroethane-d4	50.1		ug/L	50.4		99.5	61-142			
Surrogate: Toluene-d8	51.3		ug/L	50.5		102	82-116			
Surrogate: Toluene-d8	51.3		ug/L	50.5		102	82-121			
Surrogate: 4-Bromofluorobenzene	48.3		ug/L	50.2		96.2	77-114			
Surrogate: 4-Bromofluorobenzene	48.3		ug/L	50.2		96.2	80-116			
LCS (11I0438-BS1)										
				Prepared: 09/08/25 00:00 Analyzed: 09/08/25 09:59						
Chloromethane	37.44	1.0	ug/L	30.3		123	63-155			
Vinyl Chloride	34.79	1.0	ug/L	30.2		115	70-154			
Bromomethane	30.16	1.0	ug/L	30.1		100	52-176			
Chloroethane	31.94	1.0	ug/L	30.3		105	72-148			
Trichlorofluoromethane	35.42	1.0	ug/L	30.3		117	70-152			
1,1-Dichloroethylene	59.70	1.0	ug/L	50.1		119	70-148			
Acetone	90.75	10.0	ug/L	100		90.8	43-172			
Methyl Iodide	100.0	1.0	ug/L	100		100	69-170			
Carbon Disulfide	119.0	1.0	ug/L	100		119	72-162			
Methylene Chloride	50.54	5.0	ug/L	50.1		101	68-142			
Acrylonitrile	91.96	5.0	ug/L	50.4		183	33-163			
trans-1,2-Dichloroethylene	53.61	1.0	ug/L	50.1		107	66-148			
1,1-Dichloroethane	54.74	1.0	ug/L	50.1		109	66-143			
Vinyl Acetate	176.7	5.0	ug/L	131		135	43-153			
cis-1,2-Dichloroethylene	49.86	1.0	ug/L	50.4		99.0	71-149			
2-Butanone (MEK)	107.3	10.0	ug/L	100		107	52-159			
Bromochloromethane	52.00	1.0	ug/L	50.4		103	69-143			
Chloroform	53.24	1.0	ug/L	50.1		106	69-144			
1,1,1-Trichloroethane	55.49	1.0	ug/L	50.1		111	62-129			
Carbon Tetrachloride	57.03	1.0	ug/L	50.1		114	63-141			
Benzene	51.42	1.0	ug/L	50.4		102	71-134			
1,2-Dichloroethane	52.21	1.0	ug/L	50.1		104	72-132			

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CERTIFICATE OF ANALYSIS

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0438 - EPA 5030B - EPA 8260D										
LCS (11I0438-BS1)				Prepared: 09/08/25 00:00 Analyzed: 09/08/25 09:59						
Trichloroethylene	55.45	1.0	ug/L	50.1		111	71-135			
1,2-Dichloropropane	53.65	1.0	ug/L	50.1		107	69-136			
Dibromomethane	47.60	1.0	ug/L	50.4		94.5	73-147			
Bromodichloromethane	52.43	1.0	ug/L	50.1		105	68-129			
cis-1,3-Dichloropropene	55.36	1.0	ug/L	50.1		111	65-134			
4-Methyl-2-pentanone (MIBK)	102.2	5.0	ug/L	100		102	58-147			
Toluene	50.80	1.0	ug/L	50.5		101	72-133			
trans-1,3-Dichloropropene	58.18	1.0	ug/L	50.1		116	67-130			
1,1,2-Trichloroethane	49.24	1.0	ug/L	50.1		98.3	69-135			
Tetrachloroethylene	56.09	1.0	ug/L	50.1		112	69-130			
2-Hexanone (MBK)	102.8	5.0	ug/L	100		103	55-144			
Dibromochloromethane	52.88	1.0	ug/L	50.1		106	73-127			
1,2-Dibromoethane	54.10	1.0	ug/L	50.2		108	67-132			
Chlorobenzene	52.30	1.0	ug/L	50.1		104	72-123			
1,1,1,2-Tetrachloroethane	53.21	1.0	ug/L	50.3		106	73-127			
Ethylbenzene	52.23	1.0	ug/L	50.2		104	71-127			
Xylenes, total	159.4	2.0	ug/L	151		105	74-127			
Styrene	54.04	1.0	ug/L	50.4		107	66-126			
Bromoform	55.78	1.0	ug/L	50.1		111	68-130			
1,2,3-Trichloropropane	51.52	1.0	ug/L	50.3		102	63-136			
trans-1,4-Dichloro-2-butene	111.6	5.0	ug/L	100		112	54-134			
1,1,2,2-Tetrachloroethane	48.00	1.0	ug/L	50.1		95.8	61-131			
1,4-Dichlorobenzene	46.35	1.0	ug/L	50.1		92.5	70-129			
1,2-Dichlorobenzene	49.74	1.0	ug/L	50.1		99.3	69-126			
1,2-Dibromo-3-chloropropane	50.12	5.0	ug/L	50.1		100	50-143			
Surrogate: Dibromofluoromethane	51.2		ug/L	50.2		102	57-128			
Surrogate: Dibromofluoromethane	51.2		ug/L	50.2		102	75-136			
Surrogate: 1,2-Dichloroethane-d4	52.9		ug/L	50.4		105	49-135			
Surrogate: 1,2-Dichloroethane-d4	52.9		ug/L	50.4		105	61-142			
Surrogate: Toluene-d8	49.7		ug/L	50.5		98.4	82-116			
Surrogate: Toluene-d8	49.7		ug/L	50.5		98.4	82-121			
Surrogate: 4-Bromofluorobenzene	51.8		ug/L	50.2		103	77-114			
Surrogate: 4-Bromofluorobenzene	51.8		ug/L	50.2		103	80-116			
LCS Dup (11I0438-BS1)				Prepared: 09/08/25 00:00 Analyzed: 09/08/25 10:21						
Chloromethane	36.30	1.0	ug/L	30.3		120	63-155	3.09	24	
Vinyl Chloride	34.83	1.0	ug/L	30.2		115	70-154	0.115	25	
Bromomethane	28.43	1.0	ug/L	30.1		94.4	52-176	5.91	27	
Chloroethane	31.53	1.0	ug/L	30.3		104	72-148	1.29	25	
Trichlorofluoromethane	33.87	1.0	ug/L	30.3		112	70-152	4.47	26	
1,1-Dichloroethylene	57.73	1.0	ug/L	50.1		115	70-148	3.36	24	
Acetone	85.38	10.0	ug/L	100		85.4	43-172	6.10	30	
Methyl Iodide	100.2	1.0	ug/L	100		100	69-170	0.240	30	
Carbon Disulfide	116.1	1.0	ug/L	100		116	72-162	2.42	24	

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CERTIFICATE OF ANALYSIS

11I0470

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0438 - EPA 5030B - EPA 8260D										
LCS Dup (11I0438-BSD1)				Prepared: 09/08/25 00:00 Analyzed: 09/08/25 10:21						
Methylene Chloride	50.91	5.0	ug/L	50.1		102	68-142	0.729	21	
Acrylonitrile	89.52	5.0	ug/L	50.4		178	33-163	2.69	28	
trans-1,2-Dichloroethylene	52.88	1.0	ug/L	50.1		106	66-148	1.37	27	
1,1-Dichloroethane	54.91	1.0	ug/L	50.1		110	66-143	0.310	24	
Vinyl Acetate	176.4	5.0	ug/L	131		135	43-153	0.198	30	
cis-1,2-Dichloroethylene	50.34	1.0	ug/L	50.4		100	71-149	0.958	26	
2-Butanone (MEK)	106.7	10.0	ug/L	100		107	52-159	0.570	27	
Bromochloromethane	50.74	1.0	ug/L	50.4		101	69-143	2.45	23	
Chloroform	52.11	1.0	ug/L	50.1		104	69-144	2.15	23	
1,1,1-Trichloroethane	53.39	1.0	ug/L	50.1		107	62-129	3.86	24	
Carbon Tetrachloride	55.85	1.0	ug/L	50.1		111	63-141	2.09	25	
Benzene	51.51	1.0	ug/L	50.4		102	71-134	0.175	24	
1,2-Dichloroethane	53.44	1.0	ug/L	50.1		107	72-132	2.33	24	
Trichloroethylene	53.37	1.0	ug/L	50.1		107	71-135	3.82	24	
1,2-Dichloropropane	51.92	1.0	ug/L	50.1		104	69-136	3.28	24	
Dibromomethane	47.94	1.0	ug/L	50.4		95.2	73-147	0.712	25	
Bromodichloromethane	52.42	1.0	ug/L	50.1		105	68-129	0.0191	22	
cis-1,3-Dichloropropene	56.30	1.0	ug/L	50.1		112	65-134	1.68	23	
4-Methyl-2-pentanone (MIBK)	107.7	5.0	ug/L	100		108	58-147	5.25	27	
Toluene	50.78	1.0	ug/L	50.5		101	72-133	0.0394	24	
trans-1,3-Dichloropropene	58.45	1.0	ug/L	50.1		117	67-130	0.463	24	
1,1,2-Trichloroethane	51.71	1.0	ug/L	50.1		103	69-135	4.89	23	
Tetrachloroethylene	54.24	1.0	ug/L	50.1		108	69-130	3.35	25	
2-Hexanone (MBK)	107.1	5.0	ug/L	100		107	55-144	4.15	25	
Dibromochloromethane	51.56	1.0	ug/L	50.1		103	73-127	2.53	22	
1,2-Dibromoethane	53.43	1.0	ug/L	50.2		106	67-132	1.25	24	
Chlorobenzene	51.34	1.0	ug/L	50.1		103	72-123	1.85	23	
1,1,1,2-Tetrachloroethane	50.20	1.0	ug/L	50.3		99.7	73-127	5.82	24	
Ethylbenzene	51.27	1.0	ug/L	50.2		102	71-127	1.86	26	
Xylenes, total	154.9	2.0	ug/L	151		103	74-127	2.82	25	
Styrene	52.81	1.0	ug/L	50.4		105	66-126	2.30	23	
Bromoform	55.65	1.0	ug/L	50.1		111	68-130	0.233	23	
1,2,3-Trichloropropane	51.87	1.0	ug/L	50.3		103	63-136	0.677	24	
trans-1,4-Dichloro-2-butene	108.6	5.0	ug/L	100		109	54-134	2.66	27	
1,1,2,2-Tetrachloroethane	50.64	1.0	ug/L	50.1		101	61-131	5.35	29	
1,4-Dichlorobenzene	48.47	1.0	ug/L	50.1		96.7	70-129	4.47	24	
1,2-Dichlorobenzene	51.07	1.0	ug/L	50.1		102	69-126	2.64	26	
1,2-Dibromo-3-chloropropane	53.33	5.0	ug/L	50.1		106	50-143	6.21	30	
Surrogate: Dibromofluoromethane	50.0		ug/L	50.2		99.7	57-128			
Surrogate: Dibromofluoromethane	50.0		ug/L	50.2		99.7	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	49.5		ug/L	50.5		98.1	82-116			

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CERTIFICATE OF ANALYSIS

11I0470

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0438 - EPA 5030B - EPA 8260D										
LCS Dup (11I0438-BSD1)				Prepared: 09/08/25 00:00 Analyzed: 09/08/25 10:21						
Surrogate: Toluene-d8	49.5		ug/L	50.5		98.1	82-121			
Surrogate: 4-Bromofluorobenzene	50.3		ug/L	50.2		100	77-114			
Surrogate: 4-Bromofluorobenzene	50.3		ug/L	50.2		100	80-116			
Matrix Spike (11I0438-MS1)				Source: 11I0470-12	Prepared: 09/08/25 00:00 Analyzed: 09/08/25 17:12					
Chloromethane	353.7	10.0	ug/L	303	ND	117	61-152			
Vinyl Chloride	346.4	10.0	ug/L	302	ND	115	66-149			
Bromomethane	319.4	10.0	ug/L	301	ND	106	43-171			
Chloroethane	342.2	10.0	ug/L	303	ND	113	69-148			
Trichlorofluoromethane	365.0	10.0	ug/L	303	ND	120	62-163			
1,1-Dichloroethylene	602.6	10.0	ug/L	501	ND	120	70-148			
Acetone	1227	100	ug/L	1000	ND	123	45-173			
Methyl Iodide	941.7	10.0	ug/L	1000	ND	94.2	62-167			
Carbon Disulfide	1177	10.0	ug/L	1000	ND	118	71-163			
Methylene Chloride	548.5	50.0	ug/L	501	ND	109	69-140			
Acrylonitrile	970.0	50.0	ug/L	504	ND	193	32-159			
trans-1,2-Dichloroethylene	548.6	10.0	ug/L	501	ND	110	69-144			
1,1-Dichloroethane	564.1	10.0	ug/L	501	ND	113	70-138			
Vinyl Acetate	1807	50.0	ug/L	1310	ND	138	58-142			
cis-1,2-Dichloroethylene	539.7	10.0	ug/L	504	ND	107	68-151			
2-Butanone (MEK)	1222	100	ug/L	1000	ND	122	50-160			
Bromochloromethane	538.3	10.0	ug/L	504	ND	107	65-143			
Chloroform	541.4	10.0	ug/L	501	ND	108	71-143			
1,1,1-Trichloroethane	555.1	10.0	ug/L	501	ND	111	63-133			
Carbon Tetrachloride	584.6	10.0	ug/L	501	ND	117	63-142			
Benzene	516.8	10.0	ug/L	504	ND	102	69-133			
1,2-Dichloroethane	519.5	10.0	ug/L	501	ND	104	63-138			
Trichloroethylene	557.3	10.0	ug/L	501	ND	111	71-133			
1,2-Dichloropropane	554.2	10.0	ug/L	501	ND	111	69-132			
Dibromomethane	521.0	10.0	ug/L	504	ND	103	70-147			
Bromodichloromethane	550.9	10.0	ug/L	501	ND	110	67-130			
cis-1,3-Dichloropropene	544.7	10.0	ug/L	501	ND	109	61-126			
4-Methyl-2-pentanone (MIBK)	1062	50.0	ug/L	1000	ND	106	55-147			
Toluene	514.9	10.0	ug/L	505	ND	102	71-133			
trans-1,3-Dichloropropene	569.6	10.0	ug/L	501	ND	114	63-124			
1,1,2-Trichloroethane	504.8	10.0	ug/L	501	ND	101	69-133			
Tetrachloroethylene	539.6	10.0	ug/L	501	ND	108	70-124			
2-Hexanone (MBK)	1071	50.0	ug/L	1000	ND	107	53-141			
Dibromochloromethane	519.1	10.0	ug/L	501	ND	104	74-122			
1,2-Dibromoethane	526.3	10.0	ug/L	502	ND	105	66-127			
Chlorobenzene	520.5	10.0	ug/L	501	ND	104	76-116			
1,1,1,2-Tetrachloroethane	553.3	10.0	ug/L	503	ND	110	77-121			
Ethylbenzene	529.0	10.0	ug/L	502	ND	105	73-124			

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CERTIFICATE OF ANALYSIS

11I0470

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0438 - EPA 5030B - EPA 8260D										
Matrix Spike (11I0438-MS1) Source: 11I0470-12 Prepared: 09/08/25 00:00 Analyzed: 09/08/25 17:12										
Xylenes, total	1616	20.0	ug/L	1510	ND	107	75-123			
Styrene	556.6	10.0	ug/L	504	ND	111	70-120			
Bromoform	568.1	10.0	ug/L	501	ND	113	70-124			
1,2,3-Trichloropropane	575.4	10.0	ug/L	503	ND	114	62-135			
trans-1,4-Dichloro-2-butene	1101	50.0	ug/L	1000	ND	110	50-120			
1,1,2,2-Tetrachloroethane	507.1	10.0	ug/L	501	ND	101	63-126			
1,4-Dichlorobenzene	491.3	10.0	ug/L	501	ND	98.0	72-119			
1,2-Dichlorobenzene	529.0	10.0	ug/L	501	ND	106	71-117			
1,2-Dibromo-3-chloropropane	524.8	50.0	ug/L	501	ND	105	49-134			
Surrogate: Dibromofluoromethane	519		ug/L	502		103	57-128			
Surrogate: Dibromofluoromethane	519		ug/L	502		103	75-136			
Surrogate: 1,2-Dichloroethane-d4	517		ug/L	504		103	49-135			
Surrogate: 1,2-Dichloroethane-d4	517		ug/L	504		103	61-142			
Surrogate: Toluene-d8	496		ug/L	505		98.4	82-116			
Surrogate: Toluene-d8	496		ug/L	505		98.4	82-121			
Surrogate: 4-Bromofluorobenzene	514		ug/L	502		102	77-114			
Surrogate: 4-Bromofluorobenzene	514		ug/L	502		102	80-116			
Matrix Spike Dup (11I0438-MSD1) Source: 11I0470-12 Prepared: 09/08/25 00:00 Analyzed: 09/08/25 17:35										
Chloromethane	346.1	10.0	ug/L	303	ND	114	61-152	2.17	26	
Vinyl Chloride	342.1	10.0	ug/L	302	ND	113	66-149	1.25	23	
Bromomethane	296.9	10.0	ug/L	301	ND	98.6	43-171	7.30	29	
Chloroethane	314.1	10.0	ug/L	303	ND	104	69-148	8.56	25	
Trichlorofluoromethane	352.1	10.0	ug/L	303	ND	116	62-163	3.60	25	
1,1-Dichloroethylene	562.2	10.0	ug/L	501	ND	112	70-148	6.94	22	
Acetone	1149	100	ug/L	1000	ND	115	45-173	6.52	30	
Methyl Iodide	973.7	10.0	ug/L	1000	ND	97.4	62-167	3.34	24	
Carbon Disulfide	1128	10.0	ug/L	1000	ND	113	71-163	4.23	22	
Methylene Chloride	518.2	50.0	ug/L	501	ND	103	69-140	5.68	19	
Acrylonitrile	972.1	50.0	ug/L	504	ND	193	32-159	0.216	30	
trans-1,2-Dichloroethylene	525.5	10.0	ug/L	501	ND	105	69-144	4.30	22	
1,1-Dichloroethane	539.7	10.0	ug/L	501	ND	108	70-138	4.42	20	
Vinyl Acetate	1682	50.0	ug/L	1310	ND	128	58-142	7.19	24	
cis-1,2-Dichloroethylene	504.5	10.0	ug/L	504	ND	100	68-151	6.74	22	
2-Butanone (MEK)	1104	100	ug/L	1000	ND	110	50-160	10.1	23	
Bromochloromethane	521.8	10.0	ug/L	504	ND	104	65-143	3.11	22	
Chloroform	529.5	10.0	ug/L	501	ND	106	71-143	2.22	21	
1,1,1-Trichloroethane	524.8	10.0	ug/L	501	ND	105	63-133	5.61	23	
Carbon Tetrachloride	555.6	10.0	ug/L	501	ND	111	63-142	5.09	22	
Benzene	492.9	10.0	ug/L	504	ND	97.7	69-133	4.73	18	
1,2-Dichloroethane	507.3	10.0	ug/L	501	ND	101	63-138	2.38	20	
Trichloroethylene	516.3	10.0	ug/L	501	ND	103	71-133	7.64	23	
1,2-Dichloropropane	499.3	10.0	ug/L	501	ND	99.7	69-132	10.4	20	
Dibromomethane	499.2	10.0	ug/L	504	ND	99.1	70-147	4.27	22	

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CERTIFICATE OF ANALYSIS

11I0470

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0438 - EPA 5030B - EPA 8260D										

Matrix Spike Dup (11I0438-MSD1)		Source: 11I0470-12		Prepared: 09/08/25 00:00 Analyzed: 09/08/25 17:35						
Bromodichloromethane	525.1	10.0	ug/L	501	ND	105	67-130	4.80	21	
cis-1,3-Dichloropropene	530.7	10.0	ug/L	501	ND	106	61-126	2.60	21	
4-Methyl-2-pentanone (MIBK)	1025	50.0	ug/L	1000	ND	102	55-147	3.57	23	
Toluene	496.1	10.0	ug/L	505	ND	98.3	71-133	3.72	19	
trans-1,3-Dichloropropene	556.5	10.0	ug/L	501	ND	111	63-124	2.33	21	
1,1,2-Trichloroethane	489.3	10.0	ug/L	501	ND	97.7	69-133	3.12	19	
Tetrachloroethylene	516.6	10.0	ug/L	501	ND	103	70-124	4.36	24	
2-Hexanone (MBK)	1034	50.0	ug/L	1000	ND	103	53-141	3.56	24	
Dibromochloromethane	504.8	10.0	ug/L	501	ND	101	74-122	2.79	21	
1,2-Dibromoethane	507.0	10.0	ug/L	502	ND	101	66-127	3.74	23	
Chlorobenzene	491.6	10.0	ug/L	501	ND	98.2	76-116	5.71	21	
1,1,1,2-Tetrachloroethane	505.5	10.0	ug/L	503	ND	100	77-121	9.03	25	
Ethylbenzene	495.0	10.0	ug/L	502	ND	98.7	73-124	6.64	20	
Xylenes, total	1526	20.0	ug/L	1510	ND	101	75-123	5.71	20	
Styrene	526.8	10.0	ug/L	504	ND	105	70-120	5.50	23	
Bromoform	553.5	10.0	ug/L	501	ND	110	70-124	2.60	22	
1,2,3-Trichloropropane	521.2	10.0	ug/L	503	ND	104	62-135	9.89	28	
trans-1,4-Dichloro-2-butene	1043	50.0	ug/L	1000	ND	104	50-120	5.37	26	
1,1,2,2-Tetrachloroethane	492.4	10.0	ug/L	501	ND	98.3	63-126	2.94	24	
1,4-Dichlorobenzene	461.8	10.0	ug/L	501	ND	92.1	72-119	6.19	24	
1,2-Dichlorobenzene	488.0	10.0	ug/L	501	ND	97.4	71-117	8.06	24	
1,2-Dibromo-3-chloropropane	485.4	50.0	ug/L	501	ND	96.8	49-134	7.80	28	
Surrogate: Dibromofluoromethane	526		ug/L	502		105	57-128			
Surrogate: Dibromofluoromethane	526		ug/L	502		105	75-136			
Surrogate: 1,2-Dichloroethane-d4	530		ug/L	504		105	49-135			
Surrogate: 1,2-Dichloroethane-d4	530		ug/L	504		105	61-142			
Surrogate: Toluene-d8	498		ug/L	505		98.7	82-116			
Surrogate: Toluene-d8	498		ug/L	505		98.7	82-121			
Surrogate: 4-Bromofluorobenzene	501		ug/L	502		99.8	77-114			
Surrogate: 4-Bromofluorobenzene	501		ug/L	502		99.8	80-116			

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0356 - EPA 3005A Total Recoverable Metals - EPA 6020A										

Blank (11I0356-BLK1)		Prepared: 09/05/25 16:09 Analyzed: 09/08/25 18:33								
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							

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0356 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11I0356-BLK1)			Prepared: 09/05/25 16:09 Analyzed: 09/08/25 18:33							
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 (11I0356-BS1)			Prepared: 09/05/25 16:09 Analyzed: 09/08/25 18:35							
Antimony, total	0.102	0.0010	mg/L	0.100		102	80-120			
Arsenic, total	0.100	0.0020	mg/L	0.100		100	80-120			
Barium, total	0.113	0.0010	mg/L	0.100		113	80-120			
Beryllium, total	0.0999	0.0005	mg/L	0.100		99.9	80-120			
Cadmium, total	0.101	0.0002	mg/L	0.100		101	80-120			
Chromium, total	0.101	0.0010	mg/L	0.100		101	80-120			
Cobalt, total	0.106	0.0005	mg/L	0.100		106	80-120			
Copper, total	0.0999	0.0050	mg/L	0.100		99.9	80-120			
Lead, total	0.102	0.0010	mg/L	0.100		102	80-120			
Nickel, total	0.0985	0.0050	mg/L	0.100		98.5	80-120			
Selenium, total	0.1015	0.0020	mg/L	0.100		101	80-120			
Silver, total	0.103	0.0050	mg/L	0.100		103	80-120			
Thallium, total	0.107	0.0005	mg/L	0.100		107	80-120			
Vanadium, total	0.112	0.0020	mg/L	0.100		112	80-120			
Zinc, total	0.110	0.0050	mg/L	0.100		110	80-120			
Matrix Spike (11I0356-MS1)			Source: 11I0470-01	Prepared: 09/05/25 16:09 Analyzed: 09/08/25 19:00						
Antimony, total	0.103	0.0010	mg/L	0.100	ND	103	75-125			
Arsenic, total	0.104	0.0020	mg/L	0.100	0.0055	98.7	75-125			
Barium, total	0.249	0.0010	mg/L	0.100	0.152	97.4	75-125			
Beryllium, total	0.0991	0.0005	mg/L	0.100	ND	99.1	75-125			
Cadmium, total	0.0999	0.0002	mg/L	0.100	ND	99.9	75-125			
Chromium, total	0.0997	0.0010	mg/L	0.100	0.0012	98.5	75-125			
Cobalt, total	0.110	0.0005	mg/L	0.100	0.0089	101	75-125			
Copper, total	0.0965	0.0050	mg/L	0.100	0.0099	86.6	75-125			
Lead, total	0.101	0.0010	mg/L	0.100	0.0002	100	75-125			
Nickel, total	0.103	0.0050	mg/L	0.100	0.0120	91.1	75-125			
Selenium, total	0.0988	0.0020	mg/L	0.100	ND	98.8	75-125			
Silver, total	0.103	0.0050	mg/L	0.100	ND	103	75-125			
Thallium, total	0.108	0.0005	mg/L	0.100	ND	108	75-125			
Vanadium, total	0.112	0.0020	mg/L	0.100	ND	112	75-125			
Zinc, total	0.116	0.0050	mg/L	0.100	0.0251	91.4	75-125			
Matrix Spike Dup (11I0356-MSD1)			Source: 11I0470-01	Prepared: 09/05/25 16:09 Analyzed: 09/08/25 19:03						
Antimony, total	0.110	0.0010	mg/L	0.100	ND	110	75-125	6.54	20	
Arsenic, total	0.113	0.0020	mg/L	0.100	0.0055	108	75-125	8.12	20	
Barium, total	0.271	0.0010	mg/L	0.100	0.152	120	75-125	8.62	20	

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0356 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike Dup (11I0356-MSD1) Source: 11I0470-01 Prepared: 09/05/25 16:09 Analyzed: 09/08/25 19:03										
Beryllium, total	0.106	0.0005	mg/L	0.100	ND	106	75-125	6.65	20	
Cadmium, total	0.106	0.0002	mg/L	0.100	ND	106	75-125	5.76	20	
Chromium, total	0.106	0.0010	mg/L	0.100	0.0012	104	75-125	5.66	20	
Cobalt, total	0.117	0.0005	mg/L	0.100	0.0089	108	75-125	5.99	20	
Copper, total	0.100	0.0050	mg/L	0.100	0.0099	90.6	75-125	4.06	20	
Lead, total	0.106	0.0010	mg/L	0.100	0.0002	106	75-125	5.44	20	
Nickel, total	0.108	0.0050	mg/L	0.100	0.0120	95.9	75-125	4.56	20	
Selenium, total	0.1078	0.0020	mg/L	0.100	ND	108	75-125	8.67	20	
Silver, total	0.109	0.0050	mg/L	0.100	ND	109	75-125	5.98	20	
Thallium, total	0.113	0.0005	mg/L	0.100	ND	113	75-125	3.74	20	
Vanadium, total	0.117	0.0020	mg/L	0.100	ND	117	75-125	4.17	20	
Zinc, total	0.122	0.0050	mg/L	0.100	0.0251	97.0	75-125	4.76	20	
Post Spike (11I0356-PS1) Source: 11I0470-01 Prepared: 09/05/25 16:09 Analyzed: 09/08/25 19:05										
Antimony, total	0.0211		mg/L	0.0200	0.0003	104	80-120			
Arsenic, total	0.0246		mg/L	0.0200	0.0055	95.4	80-120			
Barium, total	0.170		mg/L	0.0200	0.152	93.1	80-120			
Beryllium, total	0.0197		mg/L	0.0200	0.000004	98.6	80-120			
Cadmium, total	0.0199		mg/L	0.0200	0.00008	99.0	80-120			
Chromium, total	0.0203		mg/L	0.0200	0.0012	95.1	80-120			
Cobalt, total	0.0274		mg/L	0.0200	0.0089	92.6	80-120			
Copper, total	0.0275		mg/L	0.0200	0.0099	88.0	80-120			
Lead, total	0.0202		mg/L	0.0200	0.0002	99.9	80-120			
Nickel, total	0.0301		mg/L	0.0200	0.0120	90.4	80-120			
Selenium, total	0.0195		mg/L	0.0200	0.0001	97.0	80-120			
Silver, total	0.0204		mg/L	0.0200	0.00003	102	80-120			
Thallium, total	0.0199		mg/L	0.0200	0.00002	99.5	80-120			
Vanadium, total	0.0203		mg/L	0.0200	0.0002	101	80-120			
Zinc, total	0.0424		mg/L	0.0200	0.0251	86.8	80-120			
Batch 11I0424 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11I0424-BLK1) Prepared: 09/08/25 14:51 Analyzed: 09/09/25 17:40										
Antimony, total	<0.0010	0.0010	mg/L							
Arsenic, total	<0.0020	0.0020	mg/L							
Barium, total	<0.0010	0.0010	mg/L							
Beryllium, total	<0.0005	0.0005	mg/L							
Cadmium, total	<0.0002	0.0002	mg/L							
Chromium, total	<0.0010	0.0010	mg/L							
Cobalt, total	<0.0005	0.0005	mg/L							
Copper, total	<0.0050	0.0050	mg/L							
Lead, total	<0.0010	0.0010	mg/L							
Nickel, total	<0.0050	0.0050	mg/L							
Selenium, total	<0.0020	0.0020	mg/L							
Silver, total	<0.0050	0.0050	mg/L							

B

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CERTIFICATE OF ANALYSIS

11I0470

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0424 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11I0424-BLK1)			Prepared: 09/08/25 14:51 Analyzed: 09/09/25 17:40							
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 (11I0424-BS1)			Prepared: 09/08/25 14:51 Analyzed: 09/09/25 17:43							
Antimony, total	0.105	0.0010	mg/L	0.100		105	80-120			
Arsenic, total	0.102	0.0020	mg/L	0.100		102	80-120			
Barium, total	0.107	0.0010	mg/L	0.100		107	80-120			
Beryllium, total	0.102	0.0005	mg/L	0.100		102	80-120			
Cadmium, total	0.106	0.0002	mg/L	0.100		106	80-120			
Chromium, total	0.105	0.0010	mg/L	0.100		105	80-120			
Cobalt, total	0.107	0.0005	mg/L	0.100		107	80-120			
Copper, total	0.0990	0.0050	mg/L	0.100		99.0	80-120			
Lead, total	0.105	0.0010	mg/L	0.100		105	80-120			
Nickel, total	0.0986	0.0050	mg/L	0.100		98.6	80-120			
Selenium, total	0.1029	0.0020	mg/L	0.100		103	80-120			
Silver, total	0.104	0.0050	mg/L	0.100		104	80-120			
Thallium, total	0.105	0.0005	mg/L	0.100		105	80-120			
Vanadium, total	0.113	0.0020	mg/L	0.100		113	80-120			
Zinc, total	0.102	0.0050	mg/L	0.100		102	80-120			
Matrix Spike (11I0424-MS1)			Source: 11I0590-01	Prepared: 09/08/25 14:51 Analyzed: 09/09/25 18:13						
Antimony, total	0.108	0.0010	mg/L	0.100	0.0011	107	75-125			
Arsenic, total	0.108	0.0020	mg/L	0.100	0.0047	103	75-125			
Barium, total	0.434	0.0010	mg/L	0.100	0.299	135	75-125			M6
Beryllium, total	0.109	0.0005	mg/L	0.100	ND	109	75-125			
Cadmium, total	0.106	0.0002	mg/L	0.100	ND	106	75-125			
Chromium, total	0.107	0.0010	mg/L	0.100	0.0011	106	75-125			
Cobalt, total	0.103	0.0005	mg/L	0.100	0.0003	102	75-125			
Copper, total	0.0969	0.0050	mg/L	0.100	0.0018	95.1	75-125			
Lead, total	0.103	0.0010	mg/L	0.100	ND	103	75-125			
Nickel, total	0.101	0.0050	mg/L	0.100	0.0050	96.2	75-125			
Selenium, total	0.1034	0.0020	mg/L	0.100	ND	103	75-125			
Silver, total	0.105	0.0050	mg/L	0.100	ND	105	75-125			
Thallium, total	0.104	0.0005	mg/L	0.100	ND	104	75-125			
Vanadium, total	0.118	0.0020	mg/L	0.100	ND	118	75-125			
Zinc, total	0.106	0.0050	mg/L	0.100	0.0073	98.7	75-125			
Matrix Spike Dup (11I0424-MSD1)			Source: 11I0590-01	Prepared: 09/08/25 14:51 Analyzed: 09/09/25 18:15						
Antimony, total	0.108	0.0010	mg/L	0.100	0.0011	106	75-125	0.113	20	
Arsenic, total	0.107	0.0020	mg/L	0.100	0.0047	102	75-125	1.13	20	
Barium, total	0.443	0.0010	mg/L	0.100	0.299	145	75-125	2.20	20	M6
Beryllium, total	0.108	0.0005	mg/L	0.100	ND	108	75-125	0.960	20	
Cadmium, total	0.105	0.0002	mg/L	0.100	ND	105	75-125	0.226	20	
Chromium, total	0.105	0.0010	mg/L	0.100	0.0011	104	75-125	1.23	20	
Cobalt, total	0.102	0.0005	mg/L	0.100	0.0003	102	75-125	0.566	20	

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0424 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike Dup (11I0424-MSD1) Source: 11I0590-01 Prepared: 09/08/25 14:51 Analyzed: 09/09/25 18:15										
Copper, total	0.0956	0.0050	mg/L	0.100	0.0018	93.8	75-125	1.30	20	
Lead, total	0.104	0.0010	mg/L	0.100	ND	104	75-125	0.569	20	
Nickel, total	0.102	0.0050	mg/L	0.100	0.0050	97.0	75-125	0.802	20	
Selenium, total	0.1028	0.0020	mg/L	0.100	ND	103	75-125	0.594	20	
Silver, total	0.106	0.0050	mg/L	0.100	ND	106	75-125	0.931	20	
Thallium, total	0.105	0.0005	mg/L	0.100	ND	105	75-125	0.858	20	
Vanadium, total	0.117	0.0020	mg/L	0.100	ND	117	75-125	1.13	20	
Zinc, total	0.106	0.0050	mg/L	0.100	0.0073	98.8	75-125	0.0575	20	
Post Spike (11I0424-PS1) Source: 11I0590-01 Prepared: 09/08/25 14:51 Analyzed: 09/09/25 18:23										
Antimony, total	0.0221		mg/L	0.0200	0.0011	105	80-120			
Arsenic, total	0.0250		mg/L	0.0200	0.0047	102	80-120			
Barium, total	0.316		mg/L	0.0200	0.299	85.1	80-120			
Beryllium, total	0.0210		mg/L	0.0200	-0.00002	105	80-120			
Cadmium, total	0.0202		mg/L	0.0200	0.00004	101	80-120			
Chromium, total	0.0204		mg/L	0.0200	0.0011	96.5	80-120			
Cobalt, total	0.0191		mg/L	0.0200	0.0003	94.2	80-120			
Copper, total	0.0200		mg/L	0.0200	0.0018	90.7	80-120			
Lead, total	0.0193		mg/L	0.0200	0.00004	96.4	80-120			
Nickel, total	0.0236		mg/L	0.0200	0.0050	93.0	80-120			
Selenium, total	0.0212		mg/L	0.0200	0.0003	105	80-120			
Silver, total	0.0208		mg/L	0.0200	0.00001	104	80-120			
Thallium, total	0.0196		mg/L	0.0200	0.00002	98.0	80-120			
Vanadium, total	0.0200		mg/L	0.0200	-0.0002	100	80-120			
Zinc, total	0.0264		mg/L	0.0200	0.0073	95.2	80-120			
Batch 11I1138 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11I1138-BLK1) Prepared: 09/18/25 15:30 Analyzed: 09/20/25 01:32										
Copper, total	<0.0050	0.0050	mg/L							
LCS (11I1138-BS1) Prepared: 09/18/25 15:30 Analyzed: 09/20/25 01:35										
Copper, total	0.0964	0.0050	mg/L	0.100		96.4	80-120			
Matrix Spike (11I1138-MS1) Source: 11I1427-01 Prepared: 09/18/25 15:30 Analyzed: 09/20/25 01:42										
Copper, total	0.0984	0.0050	mg/L	0.100	0.0020	96.4	75-125			
Matrix Spike Dup (11I1138-MSD1) Source: 11I1427-01 Prepared: 09/18/25 15:30 Analyzed: 09/20/25 01:50										
Copper, total	0.108	0.0050	mg/L	0.100	0.0020	106	75-125	9.76	20	
Post Spike (11I1138-PS1) Source: 11I1427-01 Prepared: 09/18/25 15:30 Analyzed: 09/20/25 01:52										
Copper, total	0.0207		mg/L	0.0200	0.0020	93.5	80-120			



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CERTIFICATE OF ANALYSIS
1110470

Definitions

- B:** The target analyte was detected in the blank at or above the method acceptance criteria.
M1: Matrix spike recovery is above acceptance limits.
M6: Matrix spike recovery is outside of acceptance limits. The analyte concentration is greater than 4X the spiking level.
R1: Duplicate RPD is outside acceptance criteria.
RL: Reporting Limit
RPD: Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 1.0°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
09/23/25 16:38

CHAIN OF CUSTODY RECORD



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Newton, IA 50208
Phone: 641-792-8451

Page 1 of 3

Printed: 8/25/2025 10:12:14AM

Page 68 of 70

SITE INFORMATION

Sampler: Todd WhippleProject: **City of Newton SLF-New Regs-COC1**
6002

REPORT TO

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

INVOICE TO

Joe Grife
City of Newton
403 W 4th St N Ste 501
Newton, IA 50208

SPECIAL INSTRUCTIONS

None

Turn Around Time

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

LAB USE ONLY

HLW Engineering
PM: Heather MurphyTemperature: 1.01°C °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
01-001	MW-45R	Aqueous	GRAB	9/3/25	—	Dry —	Indfil-app1-metals-6020dfill-app1-voc-group	
02-001	MW-44	Aqueous	GRAB	9/3/25	8:24	7	Indfil-app1-metals-6020dfill-app1-voc-group	01
03-001	MW-57	Aqueous	GRAB	9/3/25	9:35	7	Indfil-app1-metals-6020dfill-app1-voc-group	02
04-001	MW-56	Aqueous	GRAB	9/3/25	9:04	7	Indfil-app1-metals-6020dfill-app1-voc-group	03
05-001	MW-64	Aqueous	GRAB	9/3/25	9:18	7	Indfil-app1-metals-6020dfill-app1-voc-group	04
06-001	MW-65	Aqueous	GRAB	9/3/25	8:45	7	Indfil-app1-metals-6020dfill-app1-voc-group	05
07-001	SW-101R	Aqueous	GRAB	9/3/25	10:10	7	Indfil-app1-metals-6020dfill-app1-voc-group	06
08-001	PECS-1	Aqueous	GRAB	9/3/25	10:22	6	Indfill-app1-voc-group	07
09-001	SW-102	Aqueous	GRAB	9/3/25	10:32	7	Indfil-app1-metals-6020dfill-app1-voc-group	08
10-001	SW-103	Aqueous	GRAB	9/3/25	8:40	7	Indfil-app1-metals-6020dfill-app1-voc-group	09

Relinquished By

Date/Time

9/3/25
14:17

Relinquished By

Date/Time

Amy Hochstetler 9/3/25 14:17

Received By

Date/Time

Received for Lab By

Date/Time

Remarks:

CHAIN OF CUSTODY RECORD



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Page 2 of 3

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SITE INFORMATION

Sampler: TODD WHIPPLE

Project: City of Newton SLF-New Regs-COC1
6002

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

Joe Grife
City of Newton
403 W 4th St N Ste 501
Newton, IA 50208

LAB USE ONLY



1 I I 0 4 7 0

HLW Engineering
PM: Heather Murphy

Temperature: 1.0 ice °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
11-001	MW-48 (B)	Aqueous	GRAB	9/3/25	9:49	7	Indfil-app1-metals-6020dfill-app1-voc-group	10
12-001	MW-39 (B)	Aqueous	GRAB	9/3/25	11:29	7	Indfil-app1-metals-6020dfill-app1-voc-group	11
13-001	MW-78 (B)	Aqueous	GRAB	9/3/25	10:59	7	Indfil-app1-metals-6020dfill-app1-voc-group	12
14-001	MW-62R	Aqueous	GRAB	9/3/25	11:15	7	Indfil-app2-org Indfil-app2-inorg-6020	13
15-001	MW-79	Aqueous	GRAB	9/3/25	13:04	7	Indfil-app1-metals-6020dfill-app1-voc-group	14
16-001	MW-80	Aqueous	GRAB	9/3/25	13:17	7	Indfil-app1-metals-6020dfill-app1-voc-group	15
17-001	MW-36	Aqueous	GRAB	9/3/25	11:43	7	Indfil-app1-metals-6020dfill-app1-voc-group	14
18-001	MW-41	Aqueous	GRAB	9/3/25	12:25	7	Indfil-app1-metals-6020dfill-app1-voc-group	17
19-001	MW-42	Aqueous	GRAB	9/3/25	12:46	7	Indfil-app1-metals-6020dfill-app1-voc-group	18
20-001	MW-58	Aqueous	GRAB	9/3/25	12:52	5*	Indfil-app1-metals-6020dfill-app1-voc-group	19

Relinquished By

Date/Time

9/3/25
14:17

Relinquished By

Date/Time

Curry Hochstetler 9/3/25 14:17

Received By

Date/Time

Received for Lab By

Date/Time

Remarks:

MW-58 Not enough sample for all 6 vials.

CHAIN OF CUSTODY RECORD



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Page 3 of 3
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Page 70 of 70

SITE INFORMATION

Sampler: TODD WHIPPLE

Project: **City of Newton SLF-New Regs-COC1**
6002

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

Joe Grife
City of Newton
403 W 4th St N Ste 501
Newton, IA 50208



1 I I 0 4 7 0

HLW Engineering

PM: Heather Murphy

Temperature: 1.0 ice °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
21-001	MW-59	Aqueous	GRAB	9/3/25	10:58	7	Indfil-app1-metals-6020dfill-app1-voc-group	20
22-001	MW-60	Aqueous	GRAB	9/3/25	11:55	7	Indfil-app1-metals-6020dfill-app1-voc-group	21
23-001	MW-61	Aqueous	GRAB	9/3/25	12:04	7	Indfil-app1-metals-6020dfill-app1-voc-group	22
24-001	Duplicate	Aqueous	GRAB	9/3/25	✓	1	Indfil-app1-metals-6020	23

Relinquished By

Date/Time

9/3/25
14:17

Relinquished By

Date/Time

Berny Hochstetler 9/3/25 14:17

Received By

Date/Time

Received for Lab By

Date/Time

Remarks:



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11L0417

Project Description

6002

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Tuesday, December 9, 2025

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

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

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CERTIFICATE OF ANALYSIS

1IL0417

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6002

Project / PO Number: N/A

Received: 12/03/2025

Reported: 12/09/2025

Sample Summary Report

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Client Matrix</u>	<u>Sample Type</u>	<u>Sample Begin</u>	<u>Sample Taken</u>	<u>Lab Received</u>
MW-48 (B)	1IL0417-01	Aqueous	GRAB		12/02/25 09:40	12/03/25 09:40
SW-102	1IL0417-02	Aqueous	GRAB		12/02/25 09:46	12/03/25 09:40



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11L0417

Analytical Testing Parameters

Client Sample ID:	MW-48 (B)	Collected By:	JGH
Sample Matrix:	Aqueous	Collection Date:	12/02/2025 9:40
Lab Sample ID:	11L0417-01		

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Carbon Disulfide	<1.0	1.0	ug/L		12/04/25 0000	12/04/25 1600	RAF
Surrogate: Dibromofluoromethane	104	Limit: 57-128	% Rec		12/04/25 0000	12/04/25 1600	RAF
Surrogate: 1,2-Dichloroethane-d4	84.0	Limit: 49-135	% Rec		12/04/25 0000	12/04/25 1600	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		12/04/25 0000	12/04/25 1600	RAF
Surrogate: 4-Bromofluorobenzene	97.1	Limit: 77-114	% Rec		12/04/25 0000	12/04/25 1600	RAF

Client Sample ID:	SW-102	Collected By:	JGH
Sample Matrix:	Aqueous	Collection Date:	12/02/2025 9:46
Lab Sample ID:	11L0417-02		

Metals Total by ICP	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 200.7, Rv. 4.4 (1994)							
Copper	<0.010	0.010	mg/L		12/08/25 0714	12/08/25 2334	JAR

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CERTIFICATE OF ANALYSIS

11L0417

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	11L0328	11L0328-BS1	
		11L0328-BSD1	
		11L0328-BLK1	
		11L0328-MS1	11K1850-01
		11L0328-MSD1	11K1850-01
		11L0417-01	MW-48 (B)
Method	Batch	Laboratory ID	Client / Source ID
EPA 200.7, Rv. 4.4 (1994)	11L0398	11L0398-BLK1	
		11L0398-BS1	
		11L0398-MS1	11L0413-02
		11L0398-MSD1	11L0413-02
		11L0398-PS1	11L0413-02
		11L0417-02	SW-102

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 11L0328 - EPA 5030B - EPA 8260D										
Blank (11L0328-BLK1)				Prepared: 12/04/25 00:00 Analyzed: 12/04/25 12:13						
Carbon Disulfide	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	49.0		ug/L	50.2		97.7	57-128			
Surrogate: 1,2-Dichloroethane-d4	39.6		ug/L	50.4		78.6	49-135			
Surrogate: Toluene-d8	50.2		ug/L	50.5		99.6	82-116			
Surrogate: 4-Bromofluorobenzene	50.1		ug/L	50.2		99.9	77-114			
LCS (11L0328-BS1)				Prepared: 12/04/25 00:00 Analyzed: 12/04/25 10:57						
Carbon Disulfide	97.23	1.0	ug/L	100		97.2	60-129			
Surrogate: Dibromofluoromethane	45.4		ug/L	50.2		90.5	57-128			
Surrogate: 1,2-Dichloroethane-d4	40.2		ug/L	50.4		79.9	49-135			
Surrogate: Toluene-d8	49.5		ug/L	50.5		98.1	82-116			
Surrogate: 4-Bromofluorobenzene	49.6		ug/L	50.2		99.0	77-114			
LCS Dup (11L0328-BSD1)				Prepared: 12/04/25 00:00 Analyzed: 12/04/25 11:22						
Carbon Disulfide	97.51	1.0	ug/L	100		97.5	60-129	0.288	20	
Surrogate: Dibromofluoromethane	45.8		ug/L	50.2		91.3	57-128			
Surrogate: 1,2-Dichloroethane-d4	38.4		ug/L	50.4		76.2	49-135			
Surrogate: Toluene-d8	50.0		ug/L	50.5		99.0	82-116			
Surrogate: 4-Bromofluorobenzene	49.6		ug/L	50.2		98.8	77-114			
Matrix Spike (11L0328-MS1)				Source: 11K1850-01	Prepared: 12/04/25 00:00 Analyzed: 12/04/25 14:44					
Carbon Disulfide	1015	10.0	ug/L	1000	ND	102	56-129			
Surrogate: Dibromofluoromethane	506		ug/L	502		101	57-128			
Surrogate: 1,2-Dichloroethane-d4	415		ug/L	504		82.4	49-135			
Surrogate: Toluene-d8	500		ug/L	505		99.2	82-116			
Surrogate: 4-Bromofluorobenzene	499		ug/L	502		99.5	77-114			

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IL0417

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IL0328 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IL0328-MSD1)	Source: 1IK1850-01		Prepared: 12/04/25 00:00 Analyzed: 12/04/25 15:09							
Carbon Disulfide	978.1	10.0	ug/L	1000	ND	97.8	56-129	3.70	16	
Surrogate: Dibromofluoromethane	504		ug/L	502		100	57-128			
Surrogate: 1,2-Dichloroethane-d4	428		ug/L	504		85.0	49-135			
Surrogate: Toluene-d8	502		ug/L	505		99.4	82-116			
Surrogate: 4-Bromofluorobenzene	492		ug/L	502		98.0	77-114			

Metals Total by ICP	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IL0398 - EPA 200.2 Total ICP-OES (200.7) - EPA 200.7, Rv. 4.4 (1994)										
Blank (1IL0398-BLK1)	Prepared: 12/08/25 07:14 Analyzed: 12/08/25 22:32									
Copper	<0.010	0.010	mg/L							
LCS (1IL0398-BS1)	Prepared: 12/08/25 07:14 Analyzed: 12/08/25 22:38									
Copper	0.199	0.010	mg/L	0.200		99.3	85-115			
Matrix Spike (1IL0398-MS1)	Source: 1IL0413-02		Prepared: 12/08/25 07:14 Analyzed: 12/08/25 23:10							
Copper	0.212	0.010	mg/L	0.200	0.012	100	70-130			
Matrix Spike Dup (1IL0398-MSD1)	Source: 1IL0413-02		Prepared: 12/08/25 07:14 Analyzed: 12/08/25 23:16							
Copper	0.208	0.010	mg/L	0.200	0.012	98.3	70-130	1.81	20	
Post Spike (1IL0398-PS1)	Source: 1IL0413-02		Prepared: 12/08/25 07:14 Analyzed: 12/08/25 23:22							
Copper	0.845		mg/L	0.800	0.012	104	85-115			

Definitions

RL: Reporting Limit
RPD: Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 4.6°C

Cooler Inspection Checklist

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

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.

Reviewed and Approved By:

Heather Murphy
Customer Relationship Specialist
heather.murphy@microbac.com
12/09/25 16:10

Keystone

LABORATORIES, INC.

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CHAIN



1 I L 0 4 1 7

HLW Engineering
PM: Heather Murphy

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3-831-6778

☐ 205 E VanBuren St
Centerville, IA 52544
Phone: 641-437-7023
Fax: 641-437-7040

PAGE 1 OF 1

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PRINT OR TYPE INFORMATION BELOW

SAMPLER: JGH
SITE NAME: NEWTON SLC
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: JOE GRIFE
COMPANY NAME: CITY OF NEWTON
ADDRESS: 403 W 4th ST N, SUITE 501
CITY/ST/ZIP: NEWTON, IA 50208
PHONE: _____
Keystone Quote No: _____
(If Applicable)

CLIENT SAMPLE NUMBER	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED										LAB USE ONLY	
							CARBON DISULFIDE										LABORATORY WORK ORDER NO.	LABORATORY SAMPLE NUMBER
MW 48	12/25	9:40		3	WATER	G	X										HL0417	01
SW 102	12/25	9:46		1	WATER	G												02

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>12/3/25</u> Time	Received by: (Signature) <u>[Signature]</u>	Date <u>12-3-25</u> Time <u>9:40</u>	Turn-Around: ☐ Standard ☐ Rush Contact Lab Prior to Submission
Relinquished by: (Signature)	Date Time	Received for Lab by: (Signature) <u>[Signature]</u>	Remarks:	

Appendix D

Field Turbidity (NTU) Summary Data

Newton Sanitary Landfill

Field Turbidity Over Time

No-Purge Sampling

	8/8/14	9/24/14	12/5/14	3/11/15	6/16/15	9/17/15	12/17/15	3/22/16	9/14/16	10/31/16	3/23/17
<u>Well</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>
36		4.8		0.74		0.01		0.18	2.47		0.92
39		3.15	1.29	0.84	2.98	1.11		4.05	3.16		0.64
41		1.3		0.50		0.20		1.69	0.81		0.53
42		2.44		0.74		NR		47.63	13.20	9.48	2.60
48		1.13	2.75	2.75	2.39	9.60		2.59	0.91		0.82
58		4.75		1.60		0.81		0.16	1.56		0.98
59	0.17	1.75		1.10		0.49		0.47	1.55		0.99
60		13		1.66		4.02	1.77	0.70	3.27		0.76
61	4.07	0.79		1.05		0.29	0.73	0.13	2.80	1.59	0.85
62R		1.88		1.84		0.24		0.44	2.77		0.67
78		4.21	2.37	1.18	3.13	0.45		0.20	7.15		0.73
79		20.1	1.45	1.34		2.79		0.14	2.42		0.61
80		8.23		15.60		1.25		1.29	17.50		32.20
MW-44									1.29		
MW-45									5.15		
MW-56									5.37		
MW-57									10.80		
MW-64									15.30		
MW-65									121.00		
SW-101R											
SW-102											
SW-103											
Max	4.07	20.10	2.75	15.60	3.13	9.60	1.77	47.63	121.00	9.48	32.20
Min	0.17	0.79	1.29	0.50	2.39	0.01	0.73	0.13	0.81	1.59	0.53
Median	2.12	3.15	1.91	1.18	2.98	0.65	1.25	0.47	2.98	5.54	0.84
Average	2.12	5.19	1.97	2.38	2.83	1.77	1.25	4.59	10.99	5.54	3.28

Newton 5
Field Turbic

No-Purge

	9/8/17	12/5/17	3/19/18	6/5/18	9/11/18	12/5/18	3/26/19	9/4/19	3/26/20	6/18/20	9/15/20
<u>Well</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>
36	0.37		0.38		8.38		0.45	0.82	1.66		1.10
39	0.65		2.21		2.08		0.56	1.07	0.69		2.16
41	1.08		0.45		0.50		0.31	0.83	1.11		1.15
42	5.18		9.11		3.99		1.20	4.52	35.56		4.86
48	0.48		7.34		1.87		1.58	0.76	9.44		1.20
58	0.56		0.46		0.75	1.79	0.41	1.15	1.30		0.84
59	0.65		1.77	1.60	0.38	0.43	0.90	0.84	1.70		1.23
60	0.60		0.43		0.89		0.70	0.80	2.11		1.41
61	0.68		0.49		1.10		0.44	0.75	1.20		2.01
62R	0.47		5.16		0.53		0.30	0.90	1.00		1.00
78	0.61		0.44		0.65		0.32	0.78	1.04		0.36
79	0.37		0.29		0.39		0.41	0.92	2.30		0.95
80	0.42		2.37		24.95		237.00	8.66	3.73		136.40
MW-44	0.42	2.09	0.62		3.37		18.70	1.43	24.70		3.96
MW-45	0.45		0.30		4.43		23.10	7.66	2.79		3.51
MW-56	0.75	0.81	0.40		1.07		1.04	1.15	1.06		1.70
MW-57	1.40	4.82	0.45		0.97		0.58	11.04	55.30	134.00	10.29
MW-64	4.69		3.40		17.92		90.00	6.87	27.50		22.80
MW-65	41.23		15.57		6.91		89.40	15.21	57.30		18.73
SW-101R							1.13	105.30	1.70		2.97
SW-102			1.38		4.47		4.72	7.88			3.30
SW-103			1.82		4.47		2.06	7.78	2.68		4.06
Max	41.23	4.82	15.57	1.60	24.95	1.79	237.00	105.30	57.30	134.00	136.40
Min	0.37	0.81	0.29	1.60	0.38	0.43	0.30	0.75	0.69	134.00	0.36
Median	0.62	2.09	0.63	1.60	1.77	1.11	0.97	1.15	2.11	134.00	2.09
Average	3.08	2.57	2.52	1.60	4.17	1.11	21.61	8.51	11.23	134.00	10.27

Newton 5
Field Turbidity

No-Purge

	12/3/20	3/2/21	9/7/21	12/3/21	3/24/22	6/13/22	8/31/22	3/2/23	9/12/23	3/4/24	9/23/24
<u>Well</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>
36		1.45	1.51		1.65		0.82	1.06	1.63	1.45	1.98
39		3.05	3.54		1.05		3.78	3.60	1.95	1.36	1.90
41		14.57	1.35		0.77		0.99	0.46	1.68	2.71	1.82
42		6.10	12.01		2.36		5.37	0.74	11.11	3.75	4.22
48		1.48	2.87		1.26		1.46	0.80	2.73	2.33	3.07
58		2.06	1.52		1.32		1.02	0.79	1.29	1.54	1.98
59		2.44	1.63		1.43		1.72	1.48	1.49	1.42	2.24
60		2.15	1.52		1.12		1.19	1.23	1.79	2.32	3.21
61		1.97	1.92		0.99		2.33	0.36	2.60	1.37	3.65
62R		4.85	2.16		0.97		1.22	1.63	1.97	2.43	2.32
78		1.86	2.02		1.64		1.02	0.66	1.53	1.75	1.47
79		1.44	1.62		1.40	2.77	0.94	0.97	1.89	2.20	1.92
80		4.85	12.37		1.70		723.10	2.76	5.71	6.01	4.85
MW-44		4.64	6.15		30.40		4.90	4.52	31.68	13.50	16.18
MW-45	2.23	106.10									
MW-56		2.58	2.37		1.93		1.38	0.93	3.43	24.57	2.31
MW-57	1.62	4.47	5.75	7.17	4.51		2.09	1.63	6.23	2.74	3.86
MW-64		20.24	16.17		5.53		8.32	43.66	10.27	39.53	31.93
MW-65		28.05	10.82		7.25		22.24	106.50	6.85	2.99	42.20
SW-101R		1.93	1.79		6.51	1.24	1.85	3.12	1.64	3.13	2.61
SW-102		3.31	7.95		1.25			1.20		2.01	5.04
SW-103		8.50	3.97		1.55			2.01		5.33	4.40
Max	2.23	106.10	16.17	7.17	30.40	2.77	723.10	106.50	31.68	39.53	42.20
Min	1.62	1.44	1.35	7.17	0.77	1.24	0.82	0.36	1.29	1.36	1.47
Median	1.93	3.18	2.37	7.17	1.55	2.01	1.72	1.23	1.97	2.43	3.07
Average	1.93	10.37	4.81	7.17	3.65	2.01	41.35	8.58	5.13	5.93	6.82

Newton 5
Field Turbic

No-Purge

	3/12/25	9/3/25	Max	Min	Ave	Std Dev
<u>Well</u>	<u>NTU</u>	<u>NTU</u>				
36	2.16	31.13	31.13	0.01	2.92	6.40
39	2.11	32.48	32.48	0.56	3.26	6.19
41	2.02	27.74	27.74	0.20	2.81	6.15
42	2.37	28.19	47.63	0.74	9.42	11.89
48	1.97	1.79	9.60	0.48	2.61	2.47
58	2.58	26.65	26.65	0.16	2.41	5.24
59	3.86	34.51	34.51	0.17	2.62	6.55
60	2.82	34.03	34.03	0.43	3.48	6.97
61	2.41	32.78	32.78	0.13	2.67	6.23
62R	2.20	32.80	32.80	0.24	3.03	6.62
78	1.91	31.57	31.57	0.20	2.76	6.19
79	1.78	26.10	26.10	0.14	3.10	6.13
80	6.77	22.24	723.10	0.42	55.65	155.16
MW-44	32.75	6.18	32.75	0.42	10.92	11.34
MW-45			106.10	0.30	15.57	32.48
MW-56	6.56	1.79	24.57	0.40	3.22	5.41
MW-57	3.25	1.71	134.00	0.45	12.49	29.41
MW-64	42.19	9.55	90.00	3.40	23.10	21.20
MW-65	20.27	19.52	121.00	2.99	35.11	35.74
SW-101R	2.13	37.82	105.30	1.13	11.66	27.49
SW-102	3.20	38.53	38.53	1.20	6.48	9.89
SW-103	4.38	61.24	61.24	1.55	8.16	15.42
Max	42.19	61.24				
Min	1.78	1.71				
Median	2.58	28.19				
Average	7.13	25.64				

Appendix E

Running Summary of Prediction Limit Exceedances by Year

Spring 2013		Fall 2013	
MW-41 -	selenium, 1,1-dichloroethane	MW-41 -	1,1-dichloroethane
MW-58 -	cis-1,2-dichloroethylene	MW-58 -	cis-1,2-dichloroethylene
MW-62R -	trichlorofluoromethane	MW-62R -	bis(2-ethylhexyl)phthalate
MW-80 -	arsenic		

Spring 2014		Fall 2014	
MW-41 -	1,1-dichloroethane bis(2-ethylhexyl)phthalate	MW-41 -	1,1-dichloroethane cis-1,2-dichloroethylene
MW-58 -	cis-1,2-dichloroethylene	MW-58 -	cis-1,2-dichloroethylene antimony
MW-60 -	cobalt	MW-60 -	none
MW-62R -	trichlorofluoromethane barium	MW-62R -	trichlorofluoromethane barium
MW-80 -	arsenic barium cadmium cobalt copper lead nickel vanadium zinc	MW-80 -	zinc

Spring 2015		Fall 2015	
MW-41 -	1,1-dichloroethane cis-1,2-dichloroethylene	MW-41 -	1,1-dichloroethane cis-1,2-dichloroethylene
MW-58 -	cis-1,2-dichloroethylene	MW-58 -	cis-1,2-dichloroethylene
MW-62R -	trichlorofluoromethane barium	MW-62R -	trichlorofluoromethane barium
MW-80 -	arsenic	MW-80 -	none

**resample for copper at MW-61 and nickel at MW-60 collected on December 17, 2015 both passed.*

Spring 2016		Fall 2016	
<i>Former Detection Monitoring Wells</i>			
MW-42 -	none	MW-42 -	cobalt
MW-61 -	none	MW-61 -	nickel
<i>Current Assessment Monitoring Wells</i>			
MW-41 -	1,1-dichloroethane cis-1,2-dichloroethylene	MW-41 -	1,1-dichloroethane cis-1,2-dichloroethylene
MW-58 -	cis-1,2-dichloroethylene nickel	MW-58 -	cis-1,2-dichloroethylene
MW-60 -	none	MW-60 -	nickel
MW-62R -	trichlorofluoromethane barium	MW-62R -	trichlorofluoromethane barium
MW-80 -	none	MW-80 -	arsenic

**resample for cobalt at MW-42 and nickel at MW-61 collected on October 31, 2016 both failed.*

Spring 2017

MW-41 - 1,1-dichloroethane
cis-1,2-dichloroethylene
MW-42 - none
MW-58 - cis-1,2-dichloroethylene
nickel
MW-60 - none
MW-61 - none
MW-62R - trichlorofluoromethane
barium
MW-80 - arsenic
cadmium

Fall 2017

MW-41 - 1,1-dichloroethane
cis-1,2-dichloroethylene
MW-42 - none
MW-58 - cis-1,2-dichloroethylene
nickel
MW-60 - none
MW-61 - none
MW-62R - trichlorofluoromethane
barium
MW-80 - none

Spring 2018

MW-41 - 1,1-dichloroethane
cis-1,2-dichloroethylene
MW-58 - cis-1,2-dichloroethylene
nickel
MW-59 - none
MW-62R - trichlorofluoromethane
barium

Fall 2018

MW-41 - 1,1-dichloroethane
cis-1,2-dichloroethylene
tetrachloroethene
trichloroethene
MW-58 - cis-1,2-dichloroethylene
nickel
MW-59 - copper
MW-62R - trichlorofluoromethane
barium

Spring 2019

MW-41 - 1,1-dichloroethane
Chloroethane
cis-1,2-dichloroethylene
MW-58 - cis-1,2-dichloroethylene
nickel
MW-59 - copper
Bis(2-ethylhexyl)phthalate
MW-60 - nickel
MW-61 - none
MW-62R - trichlorofluoromethane
barium
MW-80 - arsenic

Fall 2019

MW-41 - 1,1-dichloroethane
cis-1,2-dichloroethylene
MW-58 - cis-1,2-dichloroethylene
MW-59 - none
MW-60 - nickel
MW-61 - nickel
MW-62R - trichlorofluoromethane
barium
MW-80 - cadmium

Spring 2020

MW-41 - 1,1-dichloroethane
1,2-dichloropropane
bis(2-ethylhexyl)phthalate
chloroethane
cis-1,2-dichloroethylene
MW-58 - bis(2-ethylhexyl)phthalate
cis-1,2-dichloroethylene
nickel
MW-59 - copper
MW-60 - nickel
MW-61 - nickel
MW-62R - trichlorofluoromethane
barium
MW-80 - none

Fall 2020

MW-41 - 1,1-dichloroethane
cis-1,2-dichloroethylene
MW-58 - cis-1,2-dichloroethylene
nickel
MW-59 - none
MW-60 - nickel
MW-61 - none
MW-62R - trichlorofluoromethane
barium
MW-80 - none

Spring 2021

MW-41 - 1,1-dichloroethane
cis-1,2-dichloroethylene

MW-58 - cis-1,2-dichloroethylene
nickel

MW-60 - nickel

MW-61 - none

MW-62R - trichlorofluoromethane
barium

Fall 2021

MW-41 - 1,1-dichloroethane
chloroethane
cis-1,2-dichloroethylene
cis-1,2-dichloroethylene

MW-58 - nickel

MW-60 - nickel

MW-61 - nickel

MW-62R - trichlorofluoromethane
barium

Spring 2022

MW-41 - 1,1-dichloroethane, cis-1,2-DCE

MW-58 - nickel, cis-1,2-DCE

MW-59 - copper

MW-60 - nickel

MW-61 - none

MW-62R - barium

MW-80 - none

Fall 2022

MW-41 - 1,1-dichloroethane, cis-1,2-DCE

MW-58 - nickel, cis-1,2-DCE

MW-59 - copper

MW-60 - copper, nickel

MW-61 - nickel

MW-62R - barium, trichlorofluoromethane

MW-80 - arsenic, barium, cadmium, cobalt, selenium

Spring 2023

MW-41 - 1,1-dichloroethane, cis-1,2-DCE
1,2-dichloropropane

MW-42 - none

MW-58 - nickel, cis-1,2-DCE

MW-59 - copper

MW-60 - nickel

MW-61 - none

MW-62R - barium, trichlorofluoromethane

MW-80 - none

Fall 2023

MW-41 - 1,1-dichloroethane, cis-1,2-DCE

MW-42 - none

MW-58 - nickel, cis-1,2-DCE

MW-59 - none

MW-60 - nickel

MW-61 - none

MW-62R - barium, trichlorofluoromethane

MW-80 - none

Spring 2024

MW-41 - 1,1-dichloroethane, cis-1,2-DCE

MW-42 - none

MW-58 - nickel, cis-1,2-DCE

MW-59 - none

MW-60 - none

MW-61 - none

MW-62R - barium, trichlorofluoromethane

MW-80 - none

Fall 2024

MW-41 - 1,1-dichloroethane, cis-1,2-DCE

MW-42 - none

MW-58 - nickel

MW-59 - none

MW-60 - nickel

MW-61 - none

MW-62R - barium

MW-80 - none

Spring 2025

MW-41 - 1,1-DCA, cis-1,2-DCE

MW-42 - none

MW-58 - nickel

MW-59 - copper

MW-60 - copper

MW-61 - none

MW-62R - barium

MW-80 - none

Fall 2025

MW-41 - 1,1-DCA, cis-1,2-DCE, 1,2- DCP,

MW-42 - none

MW-58 - nickel

MW-59 - none

MW-60 - nickel

MW-61 - copper

MW-62R - barium

MW-80 - none

Appendix F

Assessment Monitoring Detection Summary

AREAS A, B, C, D - Bis(2-ethylhexyl)phthalate detections (ug/L)

Date	MW-41	MW-42	MW-61	MW-62R	MW-58	MW-59	MW-60	MW-80
3/19/12	22.0	NT	NT	<10	<8	NT	NT	NT
9/25/12	<10	NT	NT	18.0	<8	NT	<8	NT
3/15/13	NT	NT	NT	NT	NT	NT	<8	<8
9/25/13	<10	NT	NT	19.0	NT	NT	NT	<8
10/23/13	<10	NT	NT	<10	NT	NT	NT	NT
3/25/14	83.0	NT	NT	<10	NT	NT	NT	NT
9/25/14	<10	NT	NT	<10	NT	NT	NT	NT
3/11/15	<8	NT	NT	<8	<8	NT	<8	<8
9/17/15	10.0	NT	NT	<10	NT	NT	NT	NT
3/22/16	<10	NT	NT	<10	NT	NT	NT	NT
9/14/16	<10	NT	NT	<10	NT	NT	NT	NT
3/23/17	<10	<8	<8	<10	NT	NT	NT	NT
9/8/17	<6	NT	NT	<6	NT	NT	NT	NT
3/19/18	NT	<6	<6	NT	NT	NT	NT	NT
9/11/18	NT	NT	NT	NT	NT	NT	NT	NT
3/7/19	NT	NT	NT	NT	NT	15.0	NT	NT
6/6/19	NT	NT	NT	NT	NT	<6	NT	NT
9/4/19	NT	NT	NT	NT	NT	<6	NT	NT
12/4/19	NT	NT	NT	NT	NT	6.0	NT	NT
3/26/20	8.0	NT	NT	<6	6.0	<6	<6	<6
9/15/20	<6	NT	NT	NT	<6	<6	NT	NT
3/2/2021	NT	NT	NT	NT	NT	NT	NT	NT
9/7/2021	NT	NT	NT	NT	NT	NT	NT	NT
3/24/2022	NT	NT	NT	NT	NT	NT	NT	NT
8/31/2022	NT	NT	NT	NT	NT	NT	NT	NT
3/2/2023	NT	6.0	<6	NT	NT	NT	NT	NT
9/12/2023	NT	NT	NT	NT	NT	NT	NT	NT
3/4/2024	NT	NT	NT	NT	NT	NT	NT	NT
9/23/2024	NT	NT	NT	NT	NT	NT	NT	NT
3/12/2025	<6	NT	NT	<6	<6	<6	<6	<6
9/3/2025	NT	NT	NT	NT	NT	NT	NT	NT

AREAS A, B, C, D - 2,4,5-T (ug/L)

Date	MW-41	MW-42	MW-61	MW-62R	MW-58	MW-59	MW-60	MW-80
3/19/12	<0.5	NT	NT	<0.5	<0.5	NT	NT	NT
9/25/12	<0.5	NT	NT	<0.5	<0.5	NT	<0.5	NT
3/15/13	NT	NT	NT	NT	NT	NT	<0.5	<0.5
9/25/13	NT	NT	NT	NT	NT	NT	NT	<0.5
10/23/13	NT	NT	NT	NT	NT	NT	NT	NT
3/25/14	NT	NT	NT	NT	NT	NT	NT	NT
9/25/14	NT	NT	NT	NT	NT	NT	NT	NT
3/11/15	<0.5	NT	NT	<0.5	<0.5	NT	<0.5	<0.5
9/17/15	NT	NT	NT	NT	NT	NT	NT	NT
3/22/16	NT	NT	NT	NT	NT	NT	NT	NT
9/14/16	NT	NT	NT	NT	NT	NT	NT	NT
3/23/17	NT	<0.5	<0.5	NT	NT	NT	NT	NT
9/8/17	NT	NT	NT	NT	NT	NT	NT	NT
3/19/18	NT	5.0	<0.5	NT	NT	NT	NT	NT
9/11/18	NT	NT	NT	NT	NT	NT	NT	NT
3/7/19	NT	<0.5	NT	NT	NT	<0.5	NT	NT
9/4/19	NT	<0.5	NT	NT	NT	NT	NT	NT
3/26/20	<0.5	NT	NT	<0.5	<0.5	<0.5	<0.5	<0.5
9/15/20	NT	NT	NT	NT	NT	NT	NT	NT
3/2/2021	NT	NT	NT	NT	NT	NT	NT	NT
9/7/2021	NT	NT	NT	NT	NT	NT	NT	NT
3/24/2022	NT	NT	NT	NT	NT	NT	NT	NT
8/31/2022	NT	NT	NT	NT	NT	NT	NT	NT
3/2/2023	NT	<0.5	<0.5	NT	NT	NT	NT	NT
9/12/2023	NT	NT	NT	NT	NT	NT	NT	NT
3/4/2024	NT	NT	NT	NT	NT	NT	NT	NT
9/23/2024	NT	NT	NT	NT	NT	NT	NT	NT
3/12/2025	<0.5	NT	NT	<0.5	<0.5	<0.5	<0.5	<0.5
9/3/2025	NT	NT	NT	NT	NT	NT	NT	NT

Appendix G

Leachate Collection System Performance Evaluation Report

Appendix G.1-
Leachate Volumes Conveyed & Weekly Leachate Analyses

CITY OF NEWTON SANITARY LANDFILL
IDNR PERMIT NO. 50-SDP-1-75P
LEACHATE VOLUMES TO NEWTON WPC

2025

Month	Gallons
January	358,000
February	208,000
March	322,000
April	277,000
May	298,000
June	219,000
July	354,000
August	555,000
September	246,000
October	207,000
November	161,000
December	170,000
TOTAL	3,375,000

Permit # 5059002
Facility Name: NEWTON CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

SIU: CITY OF NEWTON - SANITARY LANDFILL
Outfall #: 001
Month/Year: 1-2025

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER								
Parameter	FLOW	BOD5		TSS		NH3-N		LEACHAT	PH
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	Yes/ No	STD UNITS
Frequency	7/WEEK OR DAILY	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY 12 MONTHS	1 TIME PER WEEK
Start Date									
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge								06 - NOT REQ / MP	
LOQ									
Day: 1	0.01								
2	0.016	8	1.06752	9	1.20096	29.7	3.963168		7.27
3	0.016								
4	0.016								
5	0.016								
6	0.016								
7	0.016								
8	0.016	17	2.26848	10	1.3344	68	9.07392		7.38
9	0.016								
10	0.016								
11	0.016								
12	0.016								
13	0.015								
14	0.009								
15	0.009	<24.000	<	24	1.80144	31.6	2.371896		7.26
16	0.01								
17	0.009								
18	0.009								
19	0.009								
20	0.008								
21	0.007								
22	0.008	<6.000	<	22	1.46784	10.7	0.713904		7.16
23	0.008								
24	0.008								
25	0.008								
26	0.008								
27	0.009								
28	0.009								
29	0.009	<6.000	<	20	1.5012	32	2.40192		7.24
30	0.01								
31	0.01								
Total	0.358	25	3.336	85	7.30584	172	18.524808		36.31
Monthly Avg.	0.011548387	5	0.6672	17	1.461168	34.4	3.7049616		7.262
Daily Max.	0.016	17	2.26848	24	1.80144	68	9.07392		7.38
Daily Min.	0.007			9	1.20096	10.7	0.713904		7.16
Max. 7/Avg.	0.015142857	17	2.26848	24	1.80144	68	9.07392		7.38

Permit # 5059002
Facility Name: NEWTON CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

SIU: CITY OF NEWTON - SANITARY LANDFILL
Outfall #: 001
Month/Year: 2-2025

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER								
Parameter	FLOW	BOD5		TSS		NH3-N		LEACHAT	PH
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	Yes/ No	STD UNITS
Frequency	7/WEEK OR DAILY	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY 12 MONTHS	1 TIME PER WEEK
Start Date									
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge								06 - NOT REQ / MP	
LOQ									
Day: 1	0.01								
2	0.01								
3	0.008								
4	0.008								
5	0.008	7	0.46704	20	1.3344	33.6	2.241792		7.25
6	0.008								
7	0.007								
8	0.007								
9	0.007								
10	0.007								
11	0.007								
12	0.008	6	0.40032	26	1.73472	23.9	1.594608		7.15
13	0.006								
14	0.007								
15	0.007								
16	0.007								
17	0.006								
18	0.007								
19	0.006	10	0.5004	26	1.30104	41.5	2.07666		7.46
20	0.006								
21	0.008								
22	0.008								
23	0.008								
24	0.008								
25	0.008								
26	0.007	<24.000	<	25	1.4595	17.1	0.998298		7.19
27	0.007								
28	0.007								
29									
30									
31									
Total	0.208	23	1.36776	97	5.82968	116.1	6.911358		29.05
Monthly Avg.	0.007428571	5.75	0.34194	24.25	1.457415	29.025	1.7278395		7.2625
Daily Max.	0.01	10	0.5004	26	1.73472	41.5	2.241792		7.46
Daily Min.	0.006			20	1.30104	17.1	0.998298		7.15
Max. 7/Avg.	0.008428571	10	0.5004	26	1.73472	41.5	2.241792		7.46

Permit # 5059002
Facility Name: NEWTON CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

SIU: CITY OF NEWTON - SANITARY LANDFILL
Outfall #: 001
Month/Year: 3-2025

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER								
Parameter	FLOW	BOD5		TSS		NH3-N		LEACHAT	PH
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	Yes/ No	STD UNITS
Frequency	7/WEEK OR DAILY	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY 12 MONTHS	1 TIME PER WEEK
Start Date									
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge								06 - NOT REQ / MP	
LOQ									
Day: 1	0.007								
2	0.007								
3	0.007								
4	0.009								
5	0.009	8	0.60048	12	0.90072	18.3	1.373598		7.05
6	0.009								
7	0.009								
8	0.009								
9	0.009								
10	0.01								
11	0.009								
12	0.01	<6.000	<	15	1.251	28.9	2.41026		7.17
13	0.01								
14	0.01								
15	0.01								
16	0.01								
17	0.011								
18	0.011								
19	0.011	7	0.64218	28	2.56872	45	4.1283		7.07
20	0.012								
21	0.012								
22	0.012								
23	0.012								
24	0.012								
25	0.013								
26	0.012	26	2.60208	32	3.20256	51	5.10408		7.46
27	0.012								
28	0.012								
29	0.012								
30	0.012								
31	0.012								
Total	0.322	41	3.84474	87	7.923	143.2	13.016238		28.75
Monthly Avg.	0.010387097	10.25	0.961185	21.75	1.98075	35.8	3.2540595		7.1875
Daily Max.	0.013	26	2.60208	32	3.20256	51	5.10408		7.46
Daily Min.	0.007			12	0.90072	18.3	1.373598		7.05
Max. 7/Avg.	0.012142857	26	2.60208	32	3.20256	51	5.10408		7.46

Permit # 5059002
Facility Name: NEWTON CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

SIU: CITY OF NEWTON - SANITARY LANDFILL
Outfall #: 001
Month/Year: 4-2025

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER								
Parameter	FLOW	BOD5		TSS		NH3-N		LEACHAT	PH
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	Yes/ No	STD UNITS
Frequency	7/WEEK OR DAILY	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY 12 MONTHS	1 TIME PER WEEK
Start Date									
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge									
LOQ									
Day: 1	0.012								
2	0.012	26	2.60208	49	4.90392	71.9	7.195752		7.81
3	0.012								
4	0.012								
5	0.012								
6	0.012								
7	0.013								
8	0.012								
9	0.001	24	0.20016	19	0.15846	53.1	0.442854		7.4
10	0.009								
11	0.008							1	7.25
12	0.008								
13	0.008								
14	0.008								
15	0.008								
16	0.008	<24.000	<	11	0.73392	12.2	0.813984		6.88
17	0.009								
18	0.009								
19	0.009								
20	0.009								
21	0.001								
22	0.006								
23	0.008	<24.000	<	21	1.40112	22.3	1.487856		7.11
24	0.013								
25	0.011								
26	0.011								
27	0.011								
28	0.01								
29	0.009								
30	0.006	6	0.30024	47	2.35188	5.61	0.2807244		6.96
31									
Total	0.277	56	3.10248	147	9.5493	165.11	10.2211704	1	43.41
Monthly Avg.	0.009233333	11.2	0.620496	29.4	1.90986	33.022	2.04423408	1	7.235
Daily Max.	0.013	26	2.60208	49	4.90392	71.9	7.195752	1	7.81
Daily Min.	0.001			11	0.15846	5.61	0.2807244	1	6.88
Max. 7/Avg.	0.012142857	26	2.60208	49	4.90392	71.9	7.195752	1	7.81

Permit # 5059002
Facility Name: NEWTON CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

SIU: CITY OF NEWTON - SANITARY LANDFILL
Outfall #: 001
Month/Year: 5-2025

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER								
Parameter	FLOW	BOD5		TSS		NH3-N		LEACHAT	PH
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	Yes/ No	STD UNITS
Frequency	7/WEEK OR DAILY	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY 12 MONTHS	1 TIME PER WEEK
Start Date	Permit Duration		Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
End Date	Permit Duration		Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge								06 - NOT REQ / MP	
LOQ									
Day: 1	0.013								
2	0.009								
3	0.009								
4	0.009								
5	0.008								
6	0.009								
7	0.008	<6.000	<	27	1.80144	9.02	0.6018144		7.07
8	0.008								
9	0.007								
10	0.007								
11	0.007								
12	0.008								
13	0.008								
14	0.008	<6.000	<	26	1.73472	57.4	3.829728		7.1
15	0.009								
16	0.007								
17	0.007								
18	0.007								
19	0.013								
20	0.014								
21	0.016	6	0.80064	5	0.6672	28.1	3.749664		7.79
22	0.016								
23	0.012								
24	0.012								
25	0.012								
26	0.012								
27	0.008								
28	0.009	6	0.45036	24	1.80144	29.6	2.221776		7.55
29	0.008								
30	0.009								
31	0.009								
Total	0.298	12	1.251	82	6.0048	124.12	10.4029824		29.51
Monthly Avg.	0.009612903	3	0.31275	20.5	1.5012	31.03	2.6007456		7.3775
Daily Max.	0.016	6	0.80064	27	1.80144	57.4	3.829728		7.79
Daily Min.	0.007			5	0.6672	9.02	0.6018144		7.07
Max. 7/Avg.	0.011571429	6	0.80064	27	1.80144	57.4	3.829728		7.79

Permit # 5059002
Facility Name: NEWTON CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

SIU: CITY OF NEWTON - SANITARY LANDFILL
Outfall #: 001
Month/Year: 6-2025

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER								
Parameter	FLOW	BOD5		TSS		NH3-N		LEACHAT	PH
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	Yes/ No	STD UNITS
Frequency	7/WEEK OR DAILY	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY 12 MONTHS	1 TIME PER WEEK
Start Date									
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge								06 - NOT REQ / MP	
LOQ									
Day: 1	0.009								
2	0.003								
3	0.01								
4	0.007	<6.000	<	20	1.1676	5.73	0.3345174		6.78
5	0.008								
6	0.007								
7	0.007								
8	0.007								
9	0.007								
10	0.008								
11	0.006	<6.000	<	18	0.90072	14.9	0.745596		7.62
12	0.008								
13	0.007								
14	0.007								
15	0.007								
16	0.007								
17	0.008								
18	0.014	<6.000	<	22	2.56872	19.8	2.311848		7.11
19	0.008								
20	0.009								
21	0.009								
22	0.009								
23	0.01								
24	0.006								
25	0.003	<6.000	<	5	0.1251	24	0.60048		7.41
26	0.004								
27	0.006								
28	0.006								
29	0.006								
30	0.006								
31									
Total	0.219	0	0	65	4.76214	64.43	3.9924414		28.92
Monthly Avg.	0.0073	0	0	16.25	1.190535	16.1075	0.99811035		7.23
Daily Max.	0.014			22	2.56872	24	2.311848		7.62
Daily Min.	0.003			5	0.1251	5.73	0.3345174		6.78
Max. 7/Avg.	0.008857143			22	2.56872	24	2.311848		7.62

Permit # 5059002
Facility Name: NEWTON CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

SIU: CITY OF NEWTON - SANITARY LANDFILL
Outfall #: 001
Month/Year: 7-2025

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER								
Parameter	FLOW	BOD5		TSS		NH3-N		LEACHAT	PH
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	Yes/ No	STD UNITS
Frequency	7/WEEK OR DAILY	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY 12 MONTHS	1 TIME PER WEEK
Start Date									
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge								06 - NOT REQ / MP	
LOQ									
Day: 1	0.006								
2	0.006	23	1.15092	21	1.05084	19.8	0.990792		7.2
3	0.006								
4	0.006								
5	0.006								
6	0.006								
7	0.006								
8	0.006								
9	0.005	17	0.7089	26	1.0842	18.4	0.76728		7.45
10	0.003								
11	0								
12	0								
13	0								
14	0								
15	0								
16	0	34	0	79	0	74.4	0		7.68
17	0.008								
18	0.018								
19	0.018								
20	0.018								
21	0.022								
22	0.022								
23	0.022	<6.000	<	27	4.95396	17	3.11916		7.7
24	0.022								
25	0.021								
26	0.021								
27	0.021								
28	0.022								
29	0.021								
30	0.021	11	1.92654	14.9	2.609586	11	1.92654		7.82
31	0.021								
Total	0.354	85	3.78636	167.9	9.698586	140.6	6.803772		37.85
Monthly Avg.	0.011419355	17	0.757272	33.58	1.9397172	28.12	1.3607544		7.57
Daily Max.	0.022	34	1.92654	79	4.95396	74.4	3.11916		7.82
Daily Min.				14.9		11			7.2
Max. 7/Avg.	0.021571429	34	1.15092	79	4.95396	74.4	3.11916		7.7

Permit # 5059002
Facility Name: NEWTON CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

SIU: CITY OF NEWTON - SANITARY LANDFILL
Outfall #: 001
Month/Year: 8-2025

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER								
Parameter	FLOW	BOD5		TSS		NH3-N		LEACHAT	PH
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	Yes/ No	STD UNITS
Frequency	7/WEEK OR DAILY	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY 12 MONTHS	1 TIME PER WEEK
Start Date									
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge								06 - NOT REQ / MP	
LOQ									
Day: 1	0.021								
2	0.021								
3	0.021								
4	0.022								
5	0.022								
6	0.023	20	3.8364	15	2.8773	14.2	2.723844		7.84
7	0.022								
8	0.022								
9	0.022								
10	0.022								
11	0.023								
12	0.023								
13	0.023	14	2.68548	33	6.33006	38.1	7.308342		7.8
14	0.023								
15	0.023								
16	0.023								
17	0.023								
18	0.023								
19	0.025								
20	0.019	63	9.98298	123	19.49058	57.1	9.048066		7.63
21	0.01								
22	0.01								
23	0.01								
24	0.01								
25	0.009								
26	0.012								
27	0.009	17	1.27602	31	2.32686	5.54	0.4158324		7.12
28	0.009								
29	0.01								
30	0.01								
31	0.01								
Total	0.555	114	17.78088	202	31.0248	114.94	19.4960844		30.39
Monthly Avg.	0.017903226	28.5	4.44522	50.5	7.7562	28.735	4.8740211		7.5975
Daily Max.	0.025	63	9.98298	123	19.49058	57.1	9.048066		7.84
Daily Min.	0.009	14	1.27602	15	2.32686	5.54	0.4158324		7.12
Max. 7/Avg.	0.022571429	63	9.98298	123	19.49058	57.1	9.048066		7.84

Permit # 5059002
Facility Name: NEWTON CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

SIU: CITY OF NEWTON - SANITARY LANDFILL
Outfall #: 001
Month/Year: 9-2025

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER								
Parameter	FLOW	BOD5		TSS		NH3-N		LEACHAT	PH
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	Yes/ No	STD UNITS
Frequency	7/WEEK OR DAILY	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY 12 MONTHS	1 TIME PER WEEK
Start Date									
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge								06 - NOT REQ / MP	
LOQ									
Day: 1	0.01								
2	0.008								
3	0.011	<6.000	<	18	1.65132	20.2	1.853148		6.86
4	0.006								
5	0.008								
6	0.008								
7	0.008								
8	0.008								
9	0.008								
10	0.008	6	0.40032	79	5.27088	15.9	1.060848		7.16
11	0.007								
12	0.008								
13	0.008								
14	0.008								
15	0.008								
16	0.007								
17	0.019	<6.000	<	11	1.74306	7.65	1.212219		6.87
18	0.008								
19	0.007								
20	0.007								
21	0.007								
22	0.012								
23	0.008								
24	0.007	22	1.28436	14	0.81732	32.7	1.909026		6.9
25	0.007								
26	0.007								
27	0.007								
28	0.007								
29	0.007								
30	0.007								
31									
Total	0.246	28	1.68468	122	9.48258	76.45	6.035241		27.79
Monthly Avg.	0.0082	7	0.42117	30.5	2.370645	19.1125	1.50881025		6.9475
Daily Max.	0.019	22	1.28436	79	5.27088	32.7	1.909026		7.16
Daily Min.	0.006			11	0.81732	7.65	1.060848		6.86
Max. 7/Avg.	0.009	22	1.28436	79	5.27088	32.7	1.909026		7.16

Permit # 5059002
Facility Name: NEWTON CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

SIU: CITY OF NEWTON - SANITARY LANDFILL
Outfall #: 001
Month/Year: 10-2025

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER								
Parameter	FLOW	BOD5		TSS		NH3-N		LEACHAT	PH
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	Yes/ No	STD UNITS
Frequency	7/WEEK OR DAILY	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY 12 MONTHS	1 TIME PER WEEK
Start Date									
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge								06 - NOT REQ / MP	
LOQ									
Day: 1	0.007	<24.000	<	8	0.46704	39.3	2.294334		7.04
2	0.006								
3	0.007								
4	0.007								
5	0.007								
6	0.011								
7	0.006								
8	0.006	<6.000	<	12	0.60048	6.97	0.3487788		7.09
9	0.009								
10	0.007								
11	0.007								
12	0.007								
13	0.007								
14	0.006								
15	0.009	15	1.1259	26	1.95156	17	1.27602		7.13
16	0.005								
17	0.007								
18	0.007								
19	0.007								
20	0.006								
21	0.006								
22	0.005	<6.000	<	14	0.5838	11.6	0.48372		7.22
23	0.005								
24	0.005								
25	0.005								
26	0.005								
27	0.006								
28	0.011								
29	0.006	<6.000	<	8	0.40032	5.81	0.2907324		7.23
30	0.006								
31	0.006								
Total	0.207	15	1.1259	68	4.0032	80.68	4.6935852		35.71
Monthly Avg.	0.006677419	3	0.22518	13.6	0.80064	16.136	0.93871704		7.142
Daily Max.	0.011	15	1.1259	26	1.95156	39.3	2.294334		7.23
Daily Min.	0.005			8	0.40032	5.81	0.2907324		7.04
Max. 7/Avg.	0.007285714	15	1.1259	26	1.95156	39.3	2.294334		7.22

Permit # 5059002
Facility Name: NEWTON CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

SIU: CITY OF NEWTON - SANITARY LANDFILL
Outfall #: 001
Month/Year: 11-2025

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER								
Parameter	FLOW	BOD5		TSS		NH3-N		LEACHAT	PH
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	Yes/ No	STD UNITS
Frequency	7/WEEK OR DAILY	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY 12 MONTHS	1 TIME PER WEEK
Start Date									
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge								06 - NOT REQ / MP	
LOQ									
Day: 1	0.006								
2	0.006								
3	0.005								
4	0.006								
5	0.004	8	0.26688	34	1.13424	32.1	1.070856		7.38
6	0.006								
7	0.006								
8	0.006								
9	0.006								
10	0.005								
11	0.005								
12	0.006	8	0.40032	22	1.10088	6.2	0.310248		7.03
13	0.005								
14	0.005								
15	0.005								
16	0.005								
17	0.005								
18	0.005								
19	0.005	22	0.9174	41	1.7097	21.1	0.87987		7.39
20	0.005								
21	0.005								
22	0.005								
23	0.005								
24	0.006								
25	0.005	<6.000	<	14	0.5838	11.5	0.47955		7.26
26	0.005								
27	0.005								
28	0.006								
29	0.006								
30	0.006								
31									
Total	0.161	38	1.5846	111	4.52862	70.9	2.740524	0	29.06
Monthly Avg.	0.005366667	9.5	0.39615	27.75	1.132155	17.725	0.685131		7.265
Daily Max.	0.006	22	0.9174	41	1.7097	32.1	1.070856		7.39
Daily Min.	0.004			14	0.5838	6.2	0.310248		7.03
Max. 7/Avg.	0.005571429	22	0.9174	41	1.7097	32.1	1.070856		7.39

Permit # 5059002
Facility Name: NEWTON CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

SIU: CITY OF NEWTON - SANITARY LANDFILL
Outfall #: 001
Month/Year: 12-2025

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER								
Parameter	FLOW	BOD5		TSS		NH3-N		LEACHAT	PH
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	Yes/ No	STD UNITS
Frequency	7/WEEK OR DAILY	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY 12 MONTHS	1 TIME PER WEEK
Start Date									
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge								06 - NOT REQ / MP	
LOQ									
Day: 1	0.006								
2	0.006								
3	0.003 <6.000	<		14	0.35028	2.34	0.0585468		6.96
4	0.003								
5	0.007								
6	0.007								
7	0.007								
8	0.005								
9	0.008								
10	0.005 <6.000	<		8	0.3336	1.86	0.077562		6.75
11	0.004								
12	0.005								
13	0.005								
14	0.005								
15	0.005								
16	0.006								
17	0.008	22	1.46784	13	0.86736	1.53	0.1020816		6.92
18	0.007								
19	0.005								
20	0.005								
21	0.005								
22	0.005								
23	0.005 <6.000	<		11	0.4587	1.25	0.052125		7
24	0.005								
25	0.005								
26	0.006								
27	0.006								
28	0.006								
29	0.005								
30	0.005								
31	0.005 <6.000	<		10	0.417	1.1	0.04587		7.18
Total	0.17	22	1.46784	56	2.42694	8.08	0.3361854		34.81
Monthly Avg.	0.005483871	4.4	0.293568	11.2	0.485388	1.616	0.06723708		6.962
Daily Max.	0.008	22	1.46784	14	0.86736	2.34	0.1020816		7.18
Daily Min.	0.003			8	0.3336	1.1	0.04587		6.75
Max. 7/Avg.	0.005857143	22	1.46784	14	0.86736	2.34	0.1020816		7

Appendix G.2- Annual Leachate Analyses



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID1261

Newton Water Pollution Control Plant

Project Name: Landfill

Brad Hansen
1915 E 5th St S
Newton, IA 50208

Project / PO Number: Landfill
Received: 04/11/2025
Reported: 04/21/2025

Analytical Testing Parameters

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 1ID1261-01

Collected By: Schwarz, Shane
Collection Date: 04/11/2025 9:30

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 624.1								
Chloromethane	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Vinyl Chloride	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Bromomethane	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Chloroethane	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Methylene Chloride	<5.0	5.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Chloroform	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Benzene	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Trichloroethylene	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Dibromomethane	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Bromodichloromethane	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
2-Chloroethylvinyl ether	<10.0	10.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Toluene	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Tetrachloroethylene	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Chlorobenzene	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Ethylbenzene	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Xylenes, total	<2.0	2.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Bromoform	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		04/14/25 0000	04/14/25 1541	RAF
Surrogate: Dibromofluoromethane	86.0	Limit: 59-123	% Rec	1		04/14/25 0000	04/14/25 1541	RAF
Surrogate: 1,2-Dichloroethane-d4	80.3	Limit: 56-130	% Rec	1		04/14/25 0000	04/14/25 1541	RAF
Surrogate: Toluene-d8	104	Limit: 85-113	% Rec	1		04/14/25 0000	04/14/25 1541	RAF

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

11D1261

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 11D1261-01

Collected By: Schwarz, Shane
Collection Date: 04/11/2025 9:30

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst

Surrogate: 4-Bromofluorobenzene	91.0	Limit: 82-112	% Rec	1		04/14/25 0000	04/14/25 1541	RAF

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

EPA 625.1

N-Nitrosodimethylamine	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Pyridine	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Phenol	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Aniline	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Bis(2-Chloroethyl) Ether	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
2-Chlorophenol	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
1,3-Dichlorobenzene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
1,4-Dichlorobenzene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Benzyl Alcohol	<10	10	ug/L	1	Q8	04/15/25 1440	04/17/25 1655	EPP
1,2-Dichlorobenzene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
2-Methylphenol (o-Cresol)	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Bis[2-Chloroisopropyl]ether	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
n-Nitroso-di-n-propylamine	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
(3 & 4)-Methylphenol	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Hexachloroethane	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Nitrobenzene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Isophorone	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
2-Nitrophenol	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
2,4-Dimethylphenol	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Bis (2-Chloroethoxy) Methane	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Benzoic acid	<50	50	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
2,4-Dichlorophenol	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
1,2,4-Trichlorobenzene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Naphthalene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
4-Chloroaniline	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Hexachlorobutadiene	<20	20	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
4-Chloro-3-methylphenol	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
2-Methylnaphthalene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Hexachlorocyclopentadiene	<20	20	ug/L	1	Q8	04/15/25 1440	04/17/25 1655	EPP
2,4,6-Trichlorophenol	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
2,4,5-Trichlorophenol	<50	50	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
2-Chloronaphthalene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
2-Nitroaniline	<50	50	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Dimethylphthalate	<15	15	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Acenaphthylene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
2,6-Dinitrotoluene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
3-Nitroaniline	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Acenaphthene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP

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

1ID1261

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 1ID1261-01

Collected By: Schwarz, Shane
Collection Date: 04/11/2025 9:30

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	<20	20	ug/L	1	Q8	04/15/25 1440	04/17/25 1655	EPP
Dibenzofuran	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
2,4-Dinitrotoluene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
4-Nitrophenol	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Diethyl Phthalate	<30	30	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Fluorene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
4-Chlorophenyl Phenyl Ether	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
4-Nitroaniline	<20	20	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
4,6-Dinitro-2-methylphenol	<20	20	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
N-Nitrosodiphenylamine	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Azobenzene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
4-Bromophenyl Phenyl Ether	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Hexachlorobenzene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Pentachlorophenol	<20	20	ug/L	1	Q8	04/15/25 1440	04/17/25 1655	EPP
Phenanthrene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Anthracene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Di-n-butyl Phthalate	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Fluoranthene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Benzidine	<50	50	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Pyrene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Butyl Benzyl Phthalate	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Benzo(a)anthracene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Chrysene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Bis(2-Ethylhexyl) Phthalate	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Di-n-octyl Phthalate	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Indeno(1,2,3-cd)Pyrene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
3,3'-Dichlorobenzidine	<20	20	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Benzo(b)Fluoranthene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Benzo(k)Fluoranthene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Benzo(a)Pyrene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Dibenzo(a,h)anthracene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Benzo(g,h,i)perylene	<10	10	ug/L	1		04/15/25 1440	04/17/25 1655	EPP
Surrogate: 2-Fluorophenol	62.2	Limit: 16-140	% Rec	1		04/15/25 1440	04/17/25 1655	EPP
Surrogate: Phenol-d6	61.4	Limit: 13-147	% Rec	1		04/15/25 1440	04/17/25 1655	EPP
Surrogate: Nitrobenzene-d5	67.1	Limit: 17-150	% Rec	1		04/15/25 1440	04/17/25 1655	EPP
Surrogate: 2-Fluorobiphenyl	71.1	Limit: 15-134	% Rec	1		04/15/25 1440	04/17/25 1655	EPP
Surrogate: 2,4,6-Tribromophenol	88.5	Limit: 20-158	% Rec	1		04/15/25 1440	04/17/25 1655	EPP
Surrogate: Terphenyl-dl4	84.1	Limit: 12-157	% Rec	1		04/15/25 1440	04/17/25 1655	EPP

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 1664A								
Oil and Grease	6	4	mg/L	1		04/17/25 1119	04/18/25 0800	RDH



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID1261

Client Sample ID:	Leachate	Collected By:	Schwarz, Shane
Sample Matrix:	Aqueous	Collection Date:	04/11/2025 9:30
Lab Sample ID:	1ID1261-01		

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 351.2, Rv. 2 (1993)								
Nitrogen, Kjeldahl, total	13.5	1.00	mg/L	1		04/16/25 1453	04/18/25 1615	AKK
Determination of Inorganic Anions								
300.0								
Chloride	89.1	10.0	mg/L	10			04/18/25 1151	MID
Sulfate	44.1	10.0	mg/L	10			04/18/25 1151	MID
Determination of Total Metals								
200.7								
Iron, total	8.48	0.100	mg/L	1		04/14/25 0718	04/17/25 0020	JAR
EPA 200.7, Rv. 4.4 (1994)								
Arsenic, total	<0.050	0.050	mg/L	1		04/14/25 0718	04/17/25 1120	JAR
Chromium, total	<0.005	0.005	mg/L	1		04/14/25 0718	04/17/25 0020	JAR
Copper, total	<0.010	0.010	mg/L	1		04/14/25 0718	04/17/25 0020	JAR
Lead, total	<0.020	0.020	mg/L	1		04/14/25 0718	04/17/25 0020	JAR
Nickel, total	<0.010	0.010	mg/L	1		04/14/25 0718	04/17/25 0020	JAR
Selenium, total	0.150	0.030	mg/L	1		04/14/25 0718	04/17/25 1120	JAR
Zinc, total	0.040	0.020	mg/L	1		04/14/25 0718	04/17/25 0020	JAR

Definitions

Q8:	CCV recovery is below acceptance limits. The reported value is estimated.
RL:	Reporting Limit
RPD:	Relative Percent Difference

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:

Tiffannie Clymer
Customer Relationship Specialist
tiffannie.clymer@microbac.com
04/21/25 16:47



600 Eas
Newton
641-792



1 I D 1 2 6 1
Newton Water Pollution Control Plant
PM: Tiffanie Clymer

Page 1 of

Printed: 3/28/2025 8:51:48A

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Page 5 of 6

SITE INFORMATION

Sampler: Shane Schwarz

Project: Landfill Annual Leachate
Landfill

SPECIAL INSTRUCTIONS

None

Turn Around Time

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

REPORT TO

Brad Hansen
Newton Water Pollution Control Plant
1915 E 5th St S
Newton, IA 50208

INVOICE TO

Brad Hansen
Newton Water Pollution Control Plant
1915 E 5th St S
Newton, IA 50208

LAB USE ONLY

Work Order 1ID261

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	<u>4/11/25</u>	<u>9:30</u>	<u>8</u>	624-105 as-t-200.7 cr-t-200.7 fe-t-200.7 og-t-1664 se-t-200.7 tkr-351.2	625-110 ci-300.0 cu-t-200.7 ni-t-200.7 pb-t-200.7 so4-300.0 zn-t-200.7	<u>01</u>

Shane Schwarz 4-11-25 10:00A
Relinquished By Date/Time

Received By Date/Time

Relinquished By

Date/Time

Received for Lab By

Date/Time

Remarks:

Original - Lab Copy Yellow - Sampler Copy



600 Eas
Newton
641-792



1 I D 1 2 6 1
Newton Water Pollution Control Plant
PM: Tiffanie Clymer

Page 1 of

Printed: 3/28/2025 8:51:48A

www.keystonelabs.com

Page 6 of 6

SITE INFORMATION

Sampler: Shane Schwarz

Project: Landfill Annual Leachate
Landfill

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by / /

REPORT TO

Brad Hansen
Newton Water Pollution Control Plant
1915 E 5th St S
Newton, IA 50208

INVOICE TO

Brad Hansen
Newton Water Pollution Control Plant
1915 E 5th St S
Newton, IA 50208

LAB USE ONLY

Work Order 1ID261

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	4/11/25	9:30	8	624-105 as-t-200.7 cr-t-200.7 fe-t-200.7 og-t-1664 se-t-200.7 tkr-351.2	625-110 ci-300.0 cu-t-200.7 ni-t-200.7 pb-t-200.7 so4-300.0 zr-t-200.7	01

Shane Schwarz 4-11-25 10:00A
Relinquished By Date/Time

Received By Date/Time

Relinquished By Date/Time
4/11/25 1040
Received for Lab By Date/Time

Remarks:

Original - Lab Copy Yellow - Sampler Copy

Appendix G.3 –
Treatment Agreement with Newton WPCP



**STATE OF IOWA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROGRAM
AMENDMENT TO NPDES PERMIT**

Iowa NPDES Permit #: 5059002
Date of Issuance: August 1, 2020
Date of Expiration: July 31, 2025
Date of this Amendment: **September 1, 2021**
EPA Number: IA0027723

Name and Mailing Address of Applicant:

CITY OF NEWTON
PO BOX 399
NEWTON, IA 50208

Identity and Location of Facility:

NEWTON, CITY OF STP
Township 79N, Range 19W, Section 3, Jasper County

Pursuant to the authority Iowa Code Section 455B.174, and of Rule 567--64.3, Iowa Administrative Code, the Director of the Iowa Department of Natural Resources has issued the above referenced permit. Pursuant to the same authority the Director hereby amends said permit as set forth below:

The permit is being amended to include less stringent copper limits, calculated in the wasteload allocation (WLA) dated March 2, 2021. The facility prepared and published a notice for an antidegradation alternatives analysis (AAA) for the less stringent limits, and the Department approved the AAA on May 27, 2021.

Please replace your entire permit with the enclosed permit.

For the Department of Natural Resources:

By _____
Karen Lodden
NPDES Section
ENVIRONMENTAL SERVICES DIVISION

IOWA DEPARTMENT OF NATURAL RESOURCES
National Pollutant Discharge Elimination System (NPDES) Permit

OWNER NAME & ADDRESS

CITY OF NEWTON
PO BOX 399
NEWTON, IA 50208-0399

FACILITY NAME & ADDRESS

NEWTON CITY OF STP
1915 EAST 5TH STREET SOUTH
NEWTON, IA 50208

Section 3, T79N, R19W
Jasper County

IOWA NPDES PERMIT NUMBER: 5059002
DATE OF ISSUANCE: 08/01/2020
DATE OF EXPIRATION: 07/31/2025

**YOU ARE REQUIRED TO FILE FOR RENEWAL
OF THIS PERMIT BY:** 02/01/2025
EPA NUMBER: IA0027723

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 Karen Lodden

 Digitally signed by Karen Lodden
Date: 2020.07.10 11:28:49 -05'00'

Karen Lodden
NPDES Section, Environmental Services Division

Facility Name: NEWTON CITY OF STP

Permit Number: 5059002

Outfall No.: 001 DISCHARGE FROM TRICKLING FILTER/ACTIVATED SLUDGE WASTEWATER TREATMENT FACILITY WITH UV DISINFECTION.

Receiving Stream: CARDINAL CREEK (PREVIOUSLY KNOWN AS SEWER CREEK)

Route of Flow: CARDINAL 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 LAMBS GROVE FLOW EQUALIZATIONAL BASIN OVERFLOW

Receiving Stream: CHERRY CREEK

Route of Flow: CHERRY 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 SOUTHEAST EQUALIZATION BASIN OVERFLOW

Receiving Stream: UNNAMED CREEK TO ELK CREEK

Route of Flow: UNNAMED CREEK TO ELK 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

Facility Name: NEWTON CITY OF STP

Permit Number: 5059002

fish populations. These waters generally consist of small perennially flowing streams.

Outfall No.: 004 BYPASS FROM THE CENTRAL EQUALIZATION BASIN OVERFLOW

Receiving Stream: CARDINAL CREEK

Route of Flow: CARDINAL 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.: 005 BYPASS FROM THE TREATMENT PLANT OVERFLOW LOCATED PRIOR TO THE PLANT TRANSFER STATION
AFTER THE ROCK FILTER

Receiving Stream: CARDINAL CREEK

Route of Flow: CARDINAL 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: NEWTON CITY OF STP

Permit Number: 5059002

Effluent Limitations:

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

001 DISCHARGE FROM TRICKLING FILTER/ACTIVATED SLUDGE WASTEWATER TREATMENT FACILITY WITH UV DISINFECTION.

Outfall: 001 Effective Dates: 08/01/2020 to 07/31/2025			
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limits</u>
CBOD5		85% Removal Required	
	Yearly	7 Day Average	40 MG/L 3070 LBS/DAY
	Yearly	30 Day Average	25 MG/L 1919 LBS/DAY
TOTAL SUSPENDED SOLIDS		85% Removal Required	
	Yearly	7 Day Average	45 MG/L 3454 LBS/DAY
	Yearly	30 Day Average	30 MG/L 2302 LBS/DAY
AMMONIA NITROGEN (N)			
	JAN	30 Day Average	3.4 MG/L 261.3 LBS/DAY
	JAN	Daily Maximum	13.9 MG/L 991.1 LBS/DAY
	FEB	30 Day Average	4.0 MG/L 303.3 LBS/DAY
	FEB	Daily Maximum	14.2 MG/L 1089.6 LBS/DAY
	MAR	30 Day Average	3.4 MG/L 261.3 LBS/DAY
	MAR	Daily Maximum	11.7 MG/L 832.1 LBS/DAY
	APR	30 Day Average	1.5 MG/L 117.0 LBS/DAY
	APR	Daily Maximum	8.2 MG/L 579.9 LBS/DAY
	MAY	30 Day Average	1.7 MG/L 133.4 LBS/DAY
	MAY	Daily Maximum	8.2 MG/L 579.9 LBS/DAY
	JUN	30 Day Average	1.3 MG/L 100.5 LBS/DAY
	JUN	Daily Maximum	8.2 MG/L 360.7 LBS/DAY
	JUL	30 Day Average	1.0 MG/L 77.1 LBS/DAY
	JUL	Daily Maximum	8.3 MG/L 268.6 LBS/DAY
	AUG	30 Day Average	1.0 MG/L 73.2 LBS/DAY
	AUG	Daily Maximum	6.9 MG/L 299.3 LBS/DAY
	SEP	30 Day Average	1.1 MG/L 81.1 LBS/DAY
	SEP	Daily Maximum	9.8 MG/L 330.0 LBS/DAY

Facility Name: NEWTON CITY OF STP

Permit Number: 5059002

Outfall: 001 Effective Dates: 08/01/2020 to 07/31/2025			
Parameter	Season	Limit Type	Limits
AMMONIA NITROGEN (N)			
	OCT	30 Day Average	1.6 MG/L 119.4 LBS/DAY
	OCT	Daily Maximum	9.8 MG/L 695.5 LBS/DAY
	NOV	30 Day Average	2.3 MG/L 178.1 LBS/DAY
	NOV	Daily Maximum	8.2 MG/L 579.9 LBS/DAY
	DEC	30 Day Average	2.5 MG/L 189.9 LBS/DAY
	DEC	Daily Maximum	9.8 MG/L 695.5 LBS/DAY
CYANIDE, TOTAL (AS CN)			
	Yearly	30 Day Average	0.0052 MG/L 0.3991 LBS/DAY
	Yearly	Daily Maximum	0.0220 MG/L 1.688 LBS/DAY
OIL AND GREASE			
	Yearly	30 Day Average	10 MG/L
	Yearly	Daily Maximum	15 MG/L
PHENOLS			
	Yearly	30 Day Average	0.05 MG/L 3.837 LBS/DAY
	Yearly	Daily Maximum	2.5 MG/L 191.9 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
E. COLI			
	MAR	Geometric Mean	167 #/100 ML
	APR	Geometric Mean	167 #/100 ML
	MAY	Geometric Mean	167 #/100 ML
	JUN	Geometric Mean	167 #/100 ML

Facility Name: NEWTON CITY OF STP

Permit Number: 5059002

Outfall: 001 Effective Dates: 08/01/2020 to 07/31/2025			
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limits</u>
E. COLI			
	JUL	Geometric Mean	167 #/100 ML
	AUG	Geometric Mean	167 #/100 ML
	SEP	Geometric Mean	167 #/100 ML
	OCT	Geometric Mean	167 #/100 ML
	NOV	Geometric Mean	167 #/100 ML
Outfall: 001 Effective Dates: 08/01/2020 to 08/31/2021			
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limits</u>
COPPER, TOTAL (AS CU)			
	Yearly	30 Day Average	0.01687 MG/L 1.295 LBS/DAY
	Yearly	Daily Maximum	0.0269 MG/L 2.064 LBS/DAY
Outfall: 001 Effective Dates: 09/01/2021 to 07/31/2025			
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limits</u>
COPPER, TOTAL (AS CU)			
	Yearly	30 Day Average	0.033 MG/L 2.46 LBS/DAY
	Yearly	Daily Maximum	0.047 MG/L 3.43 LBS/DAY

Facility Name: NEWTON CITY OF STP

Permit Number: 5059002

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: NEWTON CITY OF STP

Permit Number: 5059002

Outfall	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
The following monitoring requirements shall be in effect from 08/01/2020 to 07/31/2025				
001	BIOCHEMICAL OXYGEN DEMAND (BOD5)	2 TIMES PER WEEK	24 HOUR COMPOSITE	INFLUENT SAMPLER PRIOR TO PRIMARY CLARIFIERS
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	PARSHALL FLUME INFLUENT FLOW METER PRIOR TO SCREENING & GRIT REMOVAL
001	NITROGEN, TOTAL (AS N)	1 TIME PER WEEK	24 HOUR COMPOSITE	INFLUENT SAMPLER PRIOR TO PRIMARY CLARIFIERS
001	NITROGEN, TOTAL KJELDAHL (AS N)	1 EVERY MONTH	24 HOUR COMPOSITE	INFLUENT SAMPLER PRIOR TO PRIMARY CLARIFIERS
001	PH	2 TIMES PER WEEK	GRAB	INFLUENT SAMPLER PRIOR TO PRIMARY CLARIFIERS
001	PHOSPHORUS, TOTAL (AS P)	1 TIME PER WEEK	24 HOUR COMPOSITE	INFLUENT SAMPLER PRIOR TO PRIMARY CLARIFIERS
001	TEMPERATURE	2 TIMES PER WEEK	GRAB	INFLUENT SAMPLER PRIOR TO PRIMARY CLARIFIERS
001	TOTAL SUSPENDED SOLIDS	2 TIMES PER WEEK	24 HOUR COMPOSITE	INFLUENT SAMPLER PRIOR TO PRIMARY CLARIFIERS
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	PARSHALL FLUME EFFLUENT FLOW METER POST UV DISINFECTION SYSTEM
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	CYANIDE, TOTAL (AS CN)	2 TIMES PER WEEK	GRAB	EFFLUENT AFTER DISINFECTION
001	DISSOLVED OXYGEN	2 TIMES PER WEEK	GRAB	EFFLUENT AFTER DISINFECTION
001	E. COLI	GEO. MEAN 1/3 MONTHS	GRAB	EFFLUENT AFTER DISINFECTION
001	NITROGEN, TOTAL (AS N)	1 TIME PER WEEK	24 HOUR COMPOSITE	EFFLUENT AFTER DISINFECTION
001	OIL AND GREASE	1 EVERY MONTH	GRAB	EFFLUENT AFTER DISINFECTION
001	PH	5 TIMES PER WEEK	GRAB	EFFLUENT AFTER DISINFECTION
001	PHENOLS	2 TIMES PER WEEK	GRAB	EFFLUENT AFTER DISINFECTION

Facility Name: NEWTON CITY OF STP

Permit Number: 5059002

Outfall	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
The following monitoring requirements shall be in effect from 08/01/2020 to 07/31/2025				
001	PHOSPHORUS, TOTAL (AS P)	1 TIME PER WEEK	24 HOUR COMPOSITE	EFFLUENT AFTER DISINFECTION
001	TOTAL SUSPENDED SOLIDS	2 TIMES PER WEEK	24 HOUR COMPOSITE	EFFLUENT AFTER DISINFECTION

Facility Name: NEWTON CITY OF STP

Permit Number: 5059002

Special Monitoring Requirements

Outfall # Description

001 PHOSPHORUS, TOTAL (AS P)

Total phosphorus shall be reported as P.

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: NEWTON CITY OF STP

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COPPER, TOTAL (AS CU)

Laboratory samples must be analyzed at a minimum Level Of Quantitation of 0.01687 mg/L.

CYANIDE, TOTAL (AS CN)

Laboratory samples must be analyzed at a minimum Level Of Quantitation of 0.0052 mg/L.

PHENOLS

Laboratory samples must be analyzed at a minimum Level Of Quantitation of 0.05 mg/L.

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.

Facility Name: NEWTON CITY OF STP

Permit Number: 5059002

Significant Industrial User Discharges:

Significant Industrial User: CITY OF NEWTON - SANITARY LANDFILL

Outfall # Outfall Description

001 EFFLUENT PRIOR TO DISCHARGE TO THE MUNICIPAL COLLECTION SYSTEM

Significant Industrial User Effluent Limitations

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

<i>CITY OF NEWTON - SANITARY LANDFILL</i>			
<i>Outfall: 001 Effective Dates: 08/01/2020 to 07/31/2025</i>			
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limit Values</u>
FLOW			
	Yearly	30 Day Average	0.025 MGD
	Yearly	DAILY MAXIMUM	0.052 MGD
BIOCHEMICAL OXYGEN DEMAND (BOD5)			
	Yearly	30 Day Average	5 LBS/DAY
	Yearly	DAILY MAXIMUM	15 LBS/DAY
TOTAL SUSPENDED SOLIDS			
	Yearly	30 Day Average	10 LBS/DAY
	Yearly	DAILY MAXIMUM	41.7 LBS/DAY
AMMONIA NITROGEN (N)			
	Yearly	30 Day Average	6 LBS/DAY
	Yearly	DAILY MAXIMUM	18.8 LBS/DAY
PH			
	Yearly	DAILY MAXIMUM	9.0 STD UNITS
	Yearly	DAILY MINIMUM	6.0 STD UNITS

Facility Name: NEWTON CITY OF STP

Permit Number: 5059002

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: NEWTON CITY OF STP

Permit Number: 5059002

CITY OF NEWTON - SANITARY 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 TOTAL	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

CITY OF NEWTON - SANITARY LANDFILL Special Monitoring Requirements

Outfall # Description

001 SANITARY LANDFILL LEACHATE

See the Additional Monitoring Requirements page that follows for additional landfill leachate monitoring requirements.

Facility Name: NEWTON CITY OF STP
Permit Number: 5059002

ADDITIONAL MONITORING REQUIREMENTS

CITY OF NEWTON – SANITARY LANDFILL

The permittee shall analyze a representative sample of the landfill leachate discharge from the City of Newton Sanitary Landfill at least annually for each of the pollutants listed below. In addition, the permittee shall monitor the volume of waste discharged and BOD5, TSS, Ammonia Nitrogen, and pH at the frequencies specified on page 14 of this permit.

Pollutant

TKN
Oil and Grease (O&G)
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 (5059002)

Iowa DNR Field Office 5
502 E. 9th St
Des Moines, IA 50319-0034

Facility Name: NEWTON CITY OF STP

Permit Number: 5059002

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 100.00 % effluent and no more than 0.00 % 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: NEWTON CITY OF STP

Permit Number: 5059002

Design Capacity

Design: 1

The design capacity for the treatment works is specified in the Department's Facility Plan approval letter dated April 14, 1983. The treatment plant is designed to treat:

- * An average dry weather (ADW) flow of 2.9370 Million Gallons Per Day (MGD).
- * An average wet weather (AWW) flow of 9.2020 Million Gallons Per Day (MGD).
- * A maximum wet weather (MWW) flow of 13.0980 Million Gallons Per Day (MGD).
- * A design 5-day biochemical oxygen demand (BOD5) load of 5980 lbs/day.
- * A design Total Kjeldahl Nitrogen (TKN) load of 1500.00 lbs/day.
- * A design Total Suspended Solids (TSS) load of 9170 lbs/day.

Operator Certification Type/Grade: WW/IV

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: NEWTON CITY OF STP

Permit Number: 5059002

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: NEWTON CITY OF STP

Permit Number: 5059002

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: NEWTON CITY OF STP

Permit Number: 5059002

Nutrient Reduction Requirements

In support of the Iowa Nutrient Reduction Strategy you shall prepare and submit a report that evaluates the feasibility and reasonableness of reducing the amounts of nitrogen and phosphorus discharged into surface water. The report shall be submitted no later than **July 1, 2022** and shall address the following:

- ⚡ A description of the existing treatment facility with particular emphasis on its capabilities for removing nitrogen and phosphorus. The description shall include monitoring data that define the current amounts of total nitrogen (TKN+nitrate+nitrite) and total phosphorus in both the raw wastewater and the final effluent.
- ⚡ A description and evaluation of operational changes to the existing treatment facility that could be implemented to reduce the amounts of total nitrogen and total phosphorus discharged in the final effluent and the feasibility and reasonableness of each. Your evaluation must discuss the projected degree of total nitrogen and total phosphorus reduction achievable for each operational change. When evaluating feasibility you must consider what, if any, effect operational changes would have on the removal of other pollutants (e.g. CBOD₅, TSS). When evaluating reasonableness you shall include estimates of the additional cost, if any, to implement such changes and for a publicly-owned treatment works the impact on user rates.
- ⚡ A description and evaluation of new or additional treatment technologies that would achieve significant reductions in the amounts of total nitrogen and total phosphorus discharged in the final effluent with a goal of achieving annual average concentrations of 10 mg/L total nitrogen and 1 mg/L total phosphorus for plants treating typical domestic strength sewage. For purposes of this evaluation typical domestic sewage is considered to contain approximately 25 – 35 mg/L total nitrogen and 4 - 8 mg/L total phosphorus. For plants treating wastewater with total nitrogen and/or total phosphorus concentrations greater than typical domestic strength sewage, the evaluation shall include the projected reductions in the total nitrogen and phosphorus effluent concentrations achievable with the application of feasible and reasonable treatment technology with a goal of achieving at least a 66 % reduction in nitrogen and 75% reduction in total phosphorus. For each treatment technology the report shall assess its feasibility, reasonableness, practicability, the availability of equipment, capital costs, annual operating costs, impact on user rates and any non-water quality environmental impacts (e.g. additional air pollution, increased sludge production, etc.).
- ⚡ Based on the evaluations of operational changes and new or additional treatment technologies the report must select the preferred method(s) for reducing total nitrogen and total phosphorus in the final effluent, the rationale for the selected method(s) and an estimate of the effluent quality achievable.
- ⚡ In addition to selecting operational changes and/or new or additional treatment technologies, the permittee may evaluate and propose to implement practices within the watershed that may achieve greater reductions in nitrogen or phosphorus than the preferred method(s) alone. Such evaluations are particularly encouraged when no feasible or reasonable operational changes or additional treatment technologies can be identified or when the schedule for installing the selected technology exceeds ten years.
- ⚡ The report must include a schedule for making operational changes and/or installing new or additional treatment technologies to achieve the concentration and/or percentage removal goals listed above. Additional financial justification must be included in the report if no operational changes or treatment technologies are feasible or reasonable. The justification must include measures being taken to make the improvements more affordable in the future.

The schedule will be incorporated into the NPDES permit by amendment. Effluent discharge limits will be based on one full year of operating data after implementation of the operational changes or completion of plant modifications and a six month optimization period.

The report shall be sent to the following address:

NPDES.mail@dnr.iowa.gov

Subject: NRS Feasibility Report (5059002)

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.