2025 ANNUAL GROUNDWATER QUALITY REPORT

FOR THE

FLOYD-MITCHELL-CHICKASAW COUNTIES SANITARY LANDFILL

66-SDP-1-73P
ELMA, IOWA

by:
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January, 2026

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6028-23A.320

Table of Contents

Certification
Section 1.0 Background Information
Monitoring Well Maintenance Performance Reevaluation
Section 2.0 Reporting Period Activities
Section 3.0 Data Evaluation and Summary
Quality Assurance/Quality Control
Background data Validation
Site Specific GWPS
Statistically Significant Increases/Exceedances of Prediction Limits
Assessment Monitoring
Statistically Significant Levels
Delineation & Assessment of Corrective Measures
Section 4.0 Leachate Collection System Performance Reevaluation
Section 5.0 Gas Monitoring Evaluation
Section 6.0 Recommendations

Figures
Figure 1 – Entire Site Plan
Figure 2 – Site Plan & Gas Monitoring Locations
Figure 3 – Water Table Contour Map
Figure 4 – Methane Monitoring Points Map

Tables in IDNR Format
Table 1 – Monitoring Program Summary
Table 2 – Monitoring Program Implementation Schedule
Table 2A – Summary of Monitoring to Date
Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule
Table 4 – Monitoring Well Maintenance Performance Reevaluation Summary
Table 4A – Historic Water Elevation Monitoring Summary
Table 5 – Background and GWPS Summary
Table 6 – Summary of Detections
Table 7 – Summary of Ongoing and Newly Identified SSI
Table 8 - Summary of Ongoing and Newly Identified SSL ***- Not Required***
Table 9 – Analytical Data Summary
Table 10 – Historic SSI and SSL - ***Not Required***
Table 11 – Corrective Action Trend Analysis ***- Not Required***
Table 12 – Leachate Thickness Summary
Table 13 – Gas Monitoring Summary
Appendices
Appendix A - Field Sampling Forms
Appendix B - Statistical Reports
Appendix C - Laboratory Reports for Report Period
Appendix D – Turbidity
Appendix E – Prediction Limit Exceedances
Appendix F - Assessment Monitoring Results
Appendix G – Leachate Collection System

Certification

Prepared by: Date: 1-9-2026

Printed: Todd Whipple, CPG

Section 1.0 Background Information

1.1 Report Format

Table 1 through Table 13 are attached to this report and satisfy the IDNR requirement to provide the tables to meet the IDNR format requirements included in Special Provision 4.j. of the Revised Permit #2, dated July 6, 2023 (Doc #107141).

1.2 Report Priority

No requests are included herein for deadline extensions. Continued semi-annual detection and assessment monitoring in accordance with IAC 567, Chapter 113.10(5) and (6) is recommended for this facility.

1.3 Period of Report Coverage

Water quality data evaluation is based on a running compilation of data beginning in April, 2008. Statistical evaluations herein are based on the 2025 water quality data collected April 10, 2025 and October 21, 2025.

1.4 Current Site Map

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

1.5 Site Status and Applicable Rules

Site Location

The Floyd-Mitchell-Chickasaw (FMC) Sanitary Landfill is located in the N½ of the NE¼ and the NE¼ of the NW¼ of Section 12, T97N, R15W, Mitchell County, Iowa. The site encompasses approximately 115 acres. The facility operates under the Iowa Department of Natural Resources (IDNR) Permit Number 66-SDP-1-73P.

Landfill Layout

The site is situated in gently rolling terrain and adjacent properties are cultivated farm ground. Drainage from the site is predominantly to the southeast along the natural topographic surface.

The facility includes a closed landfill and RCRA Subtitle D Expansion Areas designated Phase 1, Phase 2, and Phase 3. Phases 1, 2, and 3 are actively receiving waste from the planning area.

Applicable Rules

Iowa Administrative Code (IAC) 567-113 is applicable to the site. The closed landfill detection monitoring is also regulated under 2007 (IAC) 567-113 in accordance with the approved variance dated August 28, 2013.

1.6 Summary of Hydrologic Monitoring System Plan (HMSP)

The HMSP includes twelve (12) monitoring wells. MW-4, MW-5, MW-9, and MW-14 are the designated background/upgradient wells for the facility. The Site Plan and the approved monitoring network are illustrated on Figure 2 The current HMSP is summarized in Table 1. The HMSP Implementation Schedule for 2026 is itemized in Table 2.

MONITORING WELL MAINTENANCE PERFORMANCE REEVALUATION

Monitoring Well Performance Reevaluation for wells in both the active site and the closed site will be performed in accordance with IAC-567 113.10(2)f rather than as required under previous rule (applicable to the Closed Landfill). Table 3 outlines the status of well performance and maintenance activities performed as required by IAC 567-113.10(2) f.

High & Low Water Levels
Current year water elevation data is included on Table 4. Historic water elevation data is included in the Table 4A. The maximum depth to water and the minimum depth to water are included in the tables. Many large variations (5.0 to 10.0 feet) are recorded within wells across the site. A Water Table Contour Map (Figure 3) dated October, 2025 is included with this report. The Water Table Contour Map illustrates the water table surface and the effects of the topography and groundwater diversion in Phases 1, 2, and 3.

Well Depth & Sedimentation
Well depth measurements were made October 21, 2025. Review of the well depth data included on Table 4 indicate that well sedimentation is estimated to be less than one (1) foot at all site monitoring wells.

Well Recharge Rates & Chemistry
The measured horizontal hydraulic conductivity testing results (2013) for each site monitoring well is included on Table 4. Horizontal hydraulic conductivities ranged between 10^{-4} cm/sec and 10^{-5} cm/sec.

Field recovery data recorded on April 11, 2024 (Table 4) indicate that water levels within each well recover to approximately 90+% in 8 hours, except at MW-9, MW-11, MW-15, and MW-16. Full recovery appears to require greater than 24 hours following purging at MW-9, MW-11, MW-15, and MW-16.

Well recovery information indicates that recharge to the individual wells remained sufficient to promote collection of representative water quality samples and the wells were functioning as intended. Monitoring well recharge reevaluation is due biennially according to 113.10(2)"f", and should be evaluated again in 2026.

Based on the apparent static condition of the water surfaces across the site, it appears that the semi-annual water elevation data is sufficient to adequately monitor the hydrologic condition of the site. Further, the wells are interpreted to be appropriately located to detect any impact, should it occur. No changes or modifications to the existing site monitoring wells are recommended.

Section 2.0 Reporting Period Monitoring Activities

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

Field sampling information for April 10, 2025, and October 21, 2025 sampling episodes is included on the field forms (IDNR Form 542-1322) in Appendix A.

A comprehensive summary of Analytical Data for the episodes between April 16, 2008, and October 21, 2025 is included on Table 9.

2.1 Current Detection Monitoring Activities

Background wells are MW-4, MW-5, MW-9 and MW-14. Downgradient monitoring wells for the RCRA Subtitle D Expansion Area (Phase 1, 2, and 3) are MW-11, MW-12, MW-15, and MW-16. Downgradient monitoring wells for the Closed Landfill are MW-2, MW-3, MW-6, and MW-7. There are no wells that currently remain in the detection monitoring program.

2.2 Current Assessment Monitoring Activities

Site monitoring points that are currently in Assessment Monitoring include MW-2, MW-3, MW-6, MW-7, MW-11, MW-12, MW-15, and MW-16.

Special Provision 4.g. of the Revised Permit #2, dated July 6, 2023 (Doc #107141) approves an alternate five (5) year frequency for full Appendix II sampling at assessment monitoring wells that have two (2) rounds of full Appendix II monitoring completed. Bis (2-ethylhexyl)phthalate is the only compound detected to date beyond the Appendix I list of testing parameters. The upcoming full Appendix II sampling episode (2026) is listed on Table 2.

2.3 Current Corrective Action Activities

There are no Corrective Actions in place in the RCRA Subtitle D Expansion Areas.

The Closed Landfill has been retrofitted with a leachate collection toe drain system on portions of the north, east, and south sides of the fill. Groundwater underdrain SW-1 and SW-2 have been connected to the leachate collection system in accordance with IAC 567, Chapter 113.10(2)”a”(3). The connection of SW-1 was documented in the December 4, 2018 Quality Control and Assurance Report for the Phase 3 Expansion (Doc #93888) and approved in Special Provision 3.h. of the December 10, 2018 Revised Permit (Doc # 93889). The connection of SW-2 was documented in the July 12, 2016 Construction Certification Report and approved in Special Provision 3.g. of the August 29, 2016 Permit (Doc # 87030).

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 FMC Sanitary Landfill, First Semi-Annual Monitoring Event in 2025, dated July, 2025 (both the Closed Area and the Operating Area) are included in Appendix B.1. The Groundwater Statistics Report for the FMC Sanitary Landfill, Second Semi-Annual Monitoring Event in 2025, dated November 2025 for the Closed Area and for the Operating Area are included in Appendix B.2.

The Analytical Reports for the laboratory testing performed on samples collected April 10, 2025 and October 21, 2025 are included in Appendix C.

QUALITY ASSURANCE/QUALITY CONTROL

A blind duplicate sample was collected at MW-3 during the April 10, 2025 sampling episode. A blind duplicate was collected at MW-2 during the October 21, 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/or 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 April 10, 2025 and October 21, 2025) are 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 # 80711). A TSS and Field Turbidity Evaluation Report was prepared and submitted on February 27, 2015 (Doc# 82599) and was approved by IDNR on July 7, 2015 (Doc #83838). A summary table of field measured turbidity is included in Appendix D.

The background data has been pared to include only data collected by "No Purge" methods beginning in October 14, 2014. This conforms to IDNR requirements included in the October 11, 2016 IDNR Letter (Doc #87384).

Upgradient Data, Table 1, Attachment B, to the Fall 2025 Statistical Evaluation Reports (Appendix B.2) includes a summary of the background data. Outliers are removed from the background data. The outliers are identified in Table 6, Attachment B, to the Fall 2025 Statistical Evaluation Reports (Appendix B.2). The site prediction limits established in the Fall 2025 Statistical Evaluation Reports (Appendix B.2) are based on the validated background. The calculated Prediction Limits are summarized on Table 5.

SITE SPECIFIC GWPS

Review of the inorganic Prediction Limits (Table 5) indicates that the prediction limit for cadmium (currently 5.3 ug/L) and cobalt (3.5 ug/L) calculated from the background data exceeds the published IAC 567, Chapter 137 Statewide Standard (5.0 ug/L and 2.1 ug/L, respectively). The Site-Specific GWPS should not be set lower than the Site Prediction Limit calculated from the site background data. For this report, the published IAC 567, Chapter 137 Statewide Standards are used as the GWPS, except for cadmium and cobalt, where the Site Specific GWPS of 5.3 ug/L and 3.5 ug/L, respectively, are utilized. (The Site Specific GWPS for cadmium and cobalt are equivalent to the Site Prediction Limits). *Note that the Statistical Evaluations prepared by Otter Creek Environmental Services for each monitoring episode use a default GWPS value equal to the Statewide Standard and do not utilize Site Specific GWPS as warranted herein.*

STATISTICALLY SIGNIFICANT INCREASES (SSI)

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

Since the Prediction limit for VOC is set at the laboratory Method Reporting Level (MRL), any VOC detected above the MRL is recorded as an SSI. Table 6 is a summary of all compounds at site monitoring wells that have exceeded a *current* prediction limit in 2025. None of the prediction limit exceedances occur in a detection monitoring well.

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

Exceedances of the Prediction Limit at a well that is in the Assessment Monitoring System or the Corrective Action Monitoring System is not an SSI, instead the exceedance is further evaluated by Confidence Interval Statistics.

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

Assessment monitoring including the full Appendix II list has been performed at each well where a historic SSI is recorded (Table 2).

Compounds detected to date at Assessment monitoring wells beyond the Appendix I list are limited to bis(2-ethylhexyl) phthalate.

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

STATISTICALLY SIGNIFICANT LEVELS

The compounds with detections that exceed site prediction limits (see summary in Table 2) are utilized to calculate the Confidence Interval (the 95% lower confidence limits (LCL) and the 95% upper control limits (UCL)) in accordance with the 2009 Unified Guidance for Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities by US EPA. The 95% LCL values are compared to applicable GWPS. Any 95% LCL value that exceeds an applicable GWPS is recorded as an SSL. All wells with a recorded SSL require the plume of impact to be defined in the horizontal and vertical directions and required completion of an Assessment of Corrective Action (ACM).

The SSL Evaluation for 2025 is based on data collected since October, 2014. The Confidence Intervals (95% LCL and 95% UCL) are calculated during each statistical evaluation based on the most recent four (4) data points. The 95% LCL evaluation is presented in Table 7. Any 95% LCL value that exceeds a GWPS would be highlighted in yellow in Table 7.

As confirmed in Table 7, there are no SSL recorded. Monitoring wells MW-2, MW-3, MW-6, MW-7, MW-11, MW-12, MW-15, and MW-16 are designated as assessment monitoring wells and should remain in the assessment monitoring system.

DELINEATION & ASSESSMENT OF CORRECTIVE MEASURES (ACM)

Delineation is not required at this facility. Corrective Measures are not required at this facility.

Section 4.0 Leachate Collection System Performance Evaluation

Leachate accumulating in the existing leachate storage facilities on-site can be recirculated on the Phase 1, Phase 2, and Phase 3 disposal areas in accordance with the SDP Permit or can be hauled

to the City of Osage Publicly Owned Treatment Works (POTW) in accordance with the treatment agreement with Osage (Appendix G.1) or to the City of Mason City POTW in accordance with the treatment agreement with Mason City (Appendix G.2).

Leachate System Performance

Closed Original Landfill – The original landfill (Closed) is exempt from installing a leachate collection system based on the May, 1995 Risk Assessment.

Through the course of time leachate collection toe drain trenches were constructed to eliminate persistent leachate seeps. Approximately 1,150 feet of east-west trending toe drain exists along the north side of the closed landfill and was installed in 1987. Approximately 725 feet of north-south trending toe drain exists along the east side of the closed landfill and was installed in 2004. Originally, the toe drain systems drained by gravity to a common lift station, where the collected leachate was pumped through a force main to a 10,000 gallon holding tank and load-out station near the facility shop. In 2007 the lift station manhole was modified and leachate collected from the Closed Landfill now drains by gravity to the Phase 1, 2, and 3 leachate collection and storage system and is managed as part of the Phase 1, 2, and 3 system. The toe drain system is illustrated in the figure in Appendix G.3.

Visual observations indicate that the leachate toe drains are performing as designed and no modifications are recommended.

Operating Landfill – The components of the Phase 1, Phase 2, and Phase 3 RCRA Subtitle D landfill include composite FML lined landfill cells, leachate collection and drainage layer, leachate collection system piping, a 1 million gallon FML lined storage lagoon, an Apex Pitboss leachate evaporator that operates on the lagoon surface when conditions allow, a diffused air bottom-mounted aerator system that operates in the lagoon, and leachate recirculation piping. A sprinkler irrigation system is used as the primary method of leachate recirculation. A leachate transport tank (1,500 gallon) for surface application and a 4” diameter recirculation line buried in the waste mass in Phase 1 are also available for use if needed. Leachate is recirculated in the Phase 1, Phase 2, or Phase 3 disposal areas and is not applied to frozen cover.

No leachate was recirculated in 2025.

Pressure testing of the leachate recirculation force main, as required by Special Provision X.5.k of the SDP Permit, was completed on August 14, 2025.

Approximately 1,768,184 gallons of leachate were hauled to the Mason City POTW in accordance with the leachate treatment agreement. No leachate was hauled to Osage in 2025. Results of leachate testing in accordance with the treatment agreements are included in Appendix G.4.

Leachate head measurements in 2025 are summarized on Table 12. All readings from the “Phase 1”, “Phase 2”, and “Phase 3” leachate head monitoring points were less than 12” during 2025 with the following exception:

- The LPZ in Phase 1 was recorded at 20” during the October, 2025 measurement event. Since no leachate was recirculated in 2025 and all other measurements from this point during 2025 were less than 12” the October, 2025 measurement is considered to be a short-term anomaly.

Groundwater Separation

Separation of the base of solid waste and the groundwater table is evaluated through observation of groundwater elevation measurements collected from groundwater piezometers located in the Phase 1, Phase 2, and Phase 3 expansions.

Groundwater head measurements are summarized as:

Date/Location	Phase 1	Phase 2	Phase 3
4/10/2025	0”	5”	0”
10/21/2025	0”	2”	0”

Based on the groundwater head data, separation is being maintained between the base of solid waste and the groundwater surface.

Leachate Line Cleaning

The LCP lines were cleaned in November 6, 2023. Due to an elevated leachate head reading the leachate collection line in Phase 3 was jetted during July, 2024. As per IDNR regulations, the lines should be cleaned every 3 years (next cleaning will be tentatively scheduled for 2026).

Performance Evaluation

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

Section 5.0 Gas Monitoring

Explosive gas monitoring per 113.9(2) and the approved GMSP was conducted quarterly during 2025. Monitoring points include the five (5) subsurface gas probes, the utility corridor, structures on site, the three (3) groundwater head monitoring points associated with Phase 1, Phase 2, and Phase 3, and the four (4) passive gas vents in the closed landfilling area.

Figure 4 illustrates the locations of gas monitoring points. Gas is also monitored in specific structures including gas vents and underdrain lines that are excluded from monitoring limits under IAC 113.9(2)”a”(1)

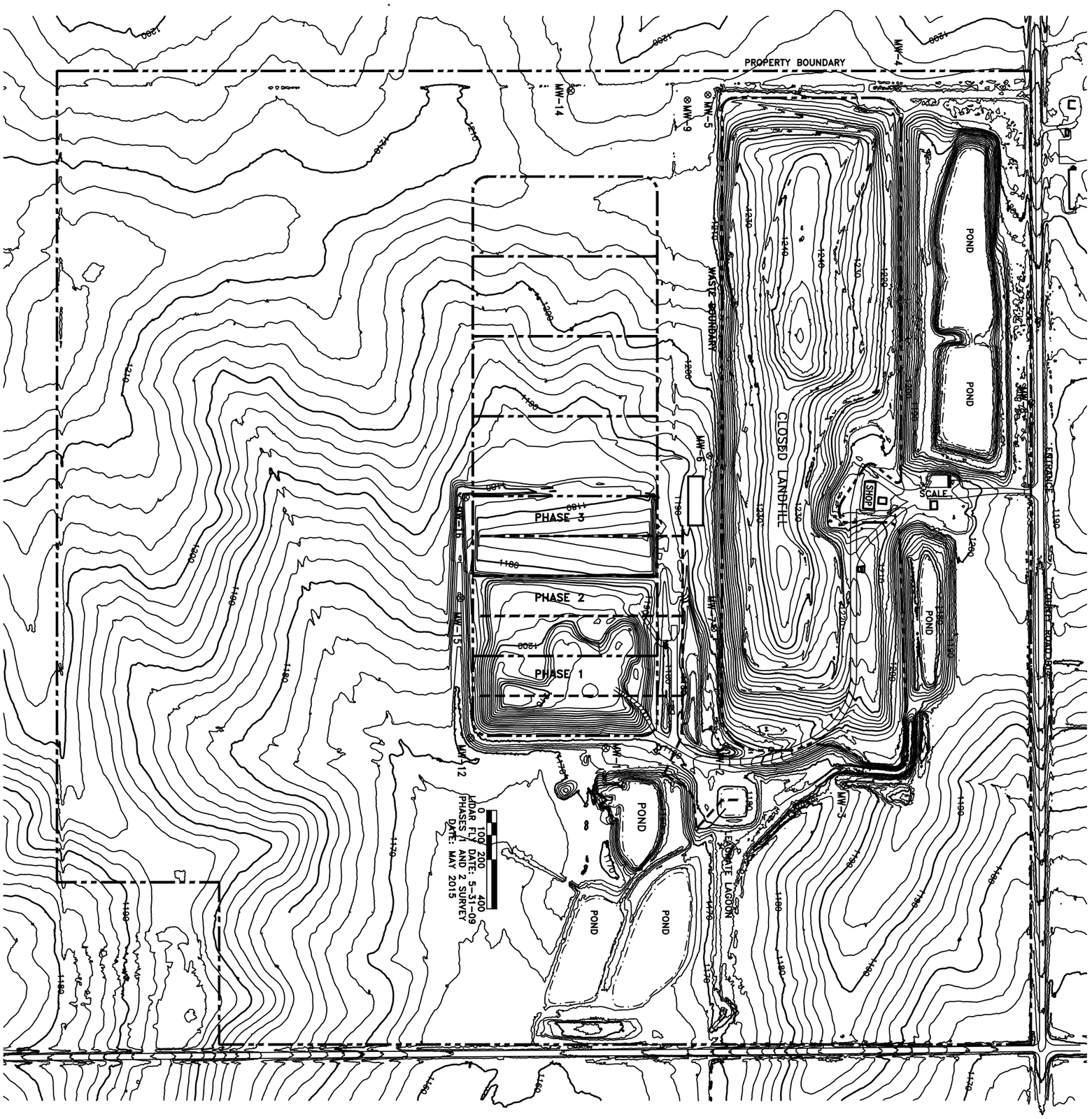
A summary of the gas monitoring results are included in Table 13.

Explosive gas concentrations were undetected or below regulatory action levels at subsurface monitoring points and regulated structures during the monitoring episodes.

Section 6.0 Recommendations/Requests

Continued semi-annual detection and assessment monitoring in accordance with IAC 567, Chapter 113.10(5) and (6) is recommended for this facility.

Figures



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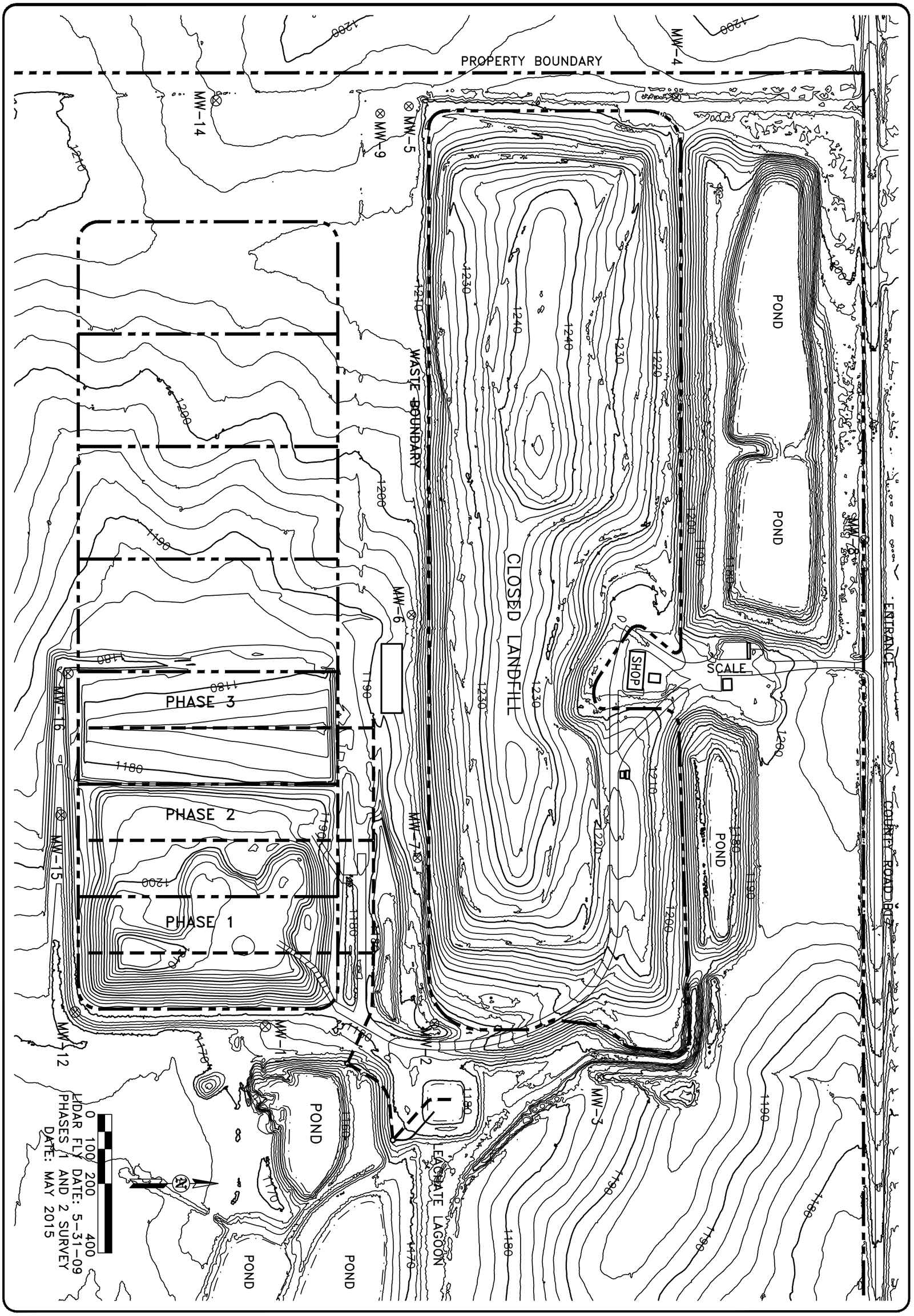
SITE PLAN – TOTAL PROPERTY

FLOYD–MITCHELL–CHICKASAW SANITARY LANDFILL
ELMA, IOWA

FIGURE:	1	
REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6028	DATE 10–29–25



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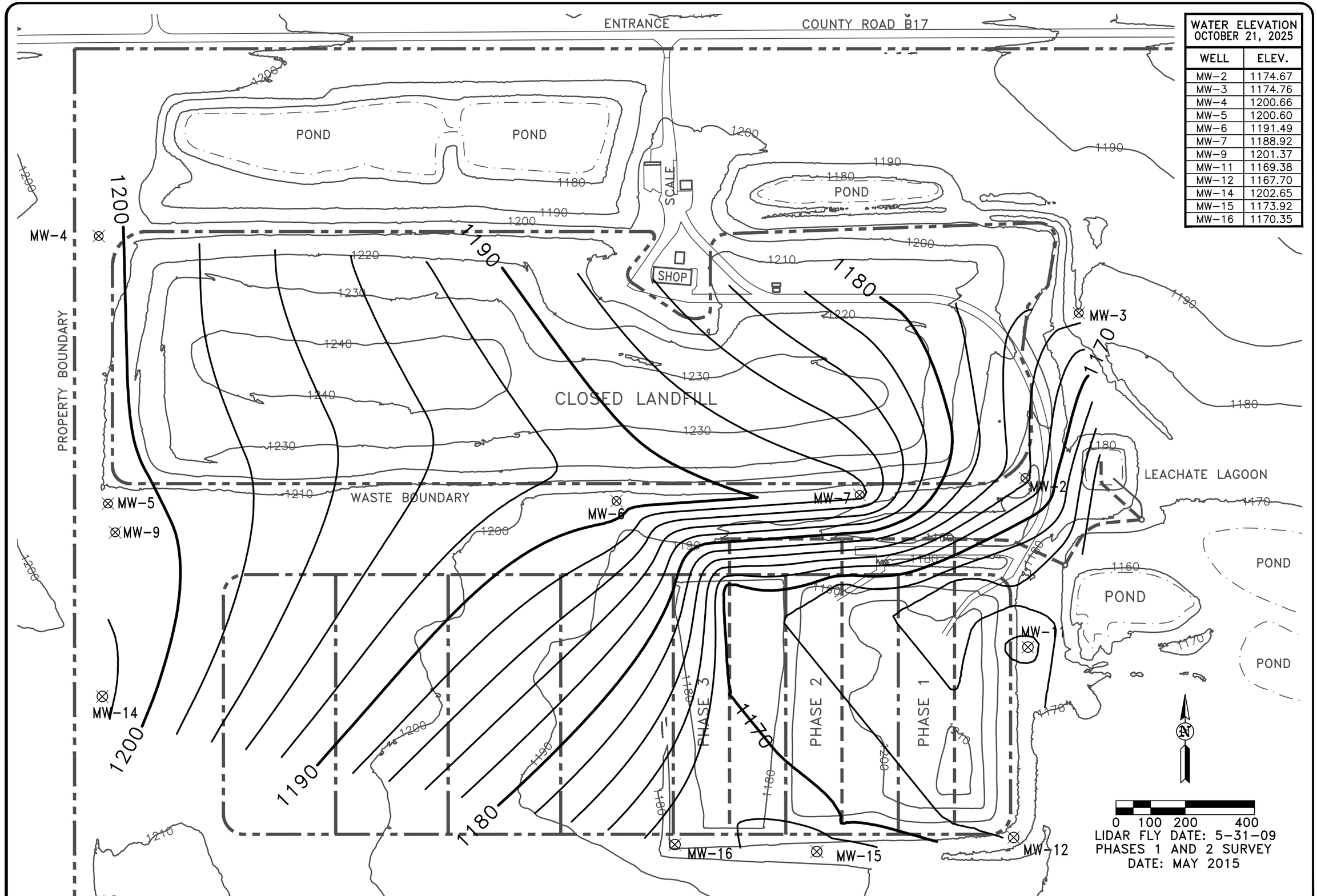
SITE PLAN – LANDFILL AREA

FLOYD–MITCHELL–CHICKASAW SANITARY LANDFILL
ELMA, IOWA

FIGURE: 2

REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6028	DATE 10–29–25



WATER ELEVATION OCTOBER 21, 2025	
WELL	ELEV.
MW-2	1174.67
MW-3	1174.76
MW-4	1200.66
MW-5	1200.60
MW-6	1191.49
MW-7	1188.92
MW-9	1201.37
MW-11	1169.38
MW-12	1167.70
MW-14	1202.65
MW-15	1173.92
MW-16	1170.35

FIGURE: 3

REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6028	DATE 10-29-25

GROUNDWATER CONTOURS

FLOYD-MITCHELL-CHICKASAW SANITARY LANDFILL
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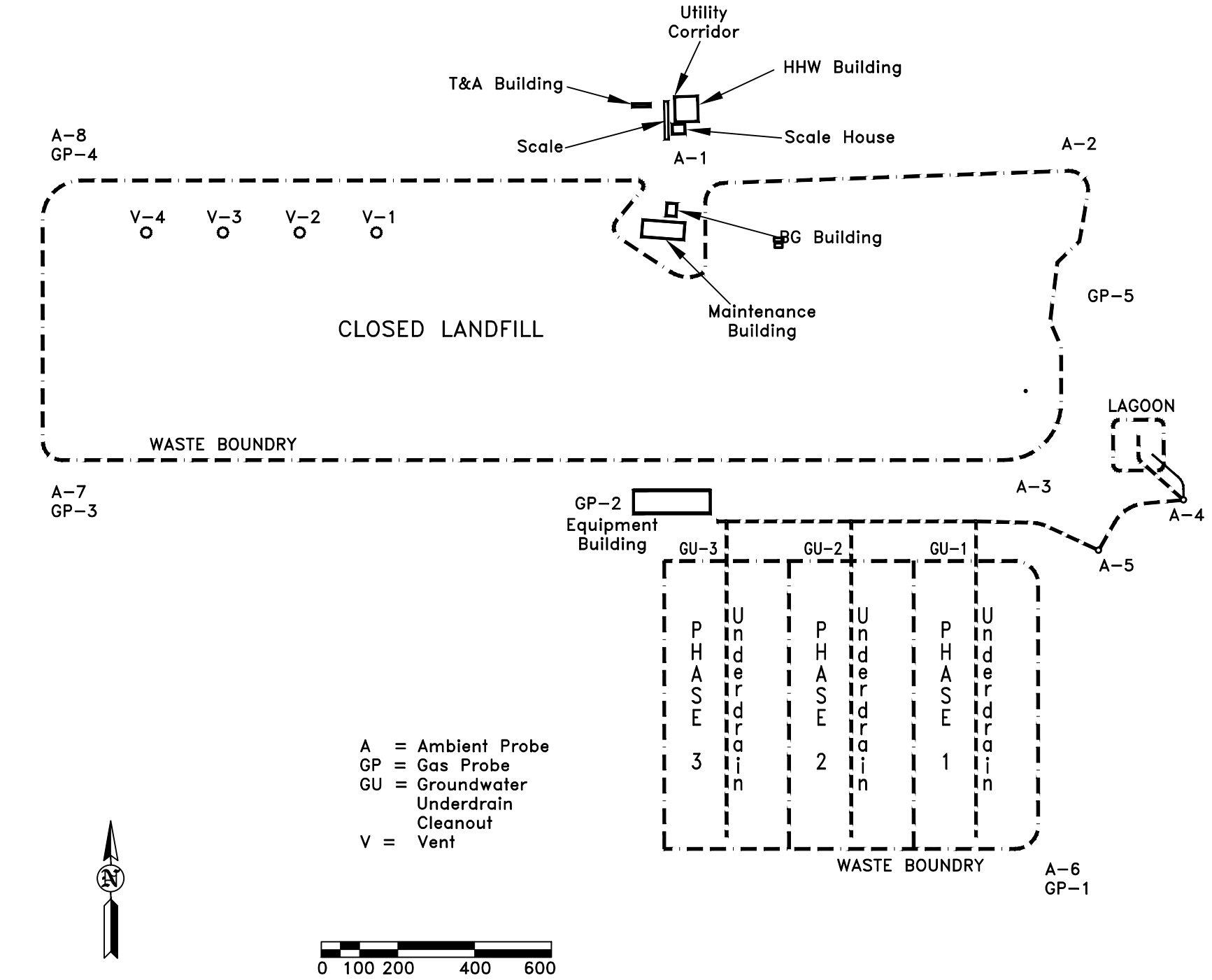

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METHANE MONITORING POINTS

FLOYD-MITCHELL-CHICKASAW SANITARY LANDFILL
ELMA, IOWA

FIGURE: 4

REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6028	DATE 10-29-25

Tables
(in IDNR Format)

Table Index

Table 1 – Monitoring Program Summary
Table 2 – Monitoring Program Implementation Schedule
Table 2A – Summary of Monitoring to Date
Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule
Table 4 – Monitoring Well Maintenance Performance Reevaluation Summary
Table 4A – Historic Water Elevation Monitoring Summary
Table 5 – Background and GWPS Summary
Table 6 – Summary of Detections
Table 7 – Summary of Ongoing and Newly Identified SSI
Table 8 - Summary of Ongoing and Newly Identified SSL ***- Not Required***
Table 9 – Analytical Data Summary
Table 10 – Historic SSI and SSL - ***Not Required***
Table 11 – Corrective Action Trend Analysis ***- Not Required***
Table 12 – Leachate Thickness Summary
Table 13 – Gas Monitoring Summary

Table 1 – Monitoring Program Summary

Table 1
Monitoring Program Summary
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

Monitoring Well	Formation	Current Monitoring Program	Change for next sampling event	Historic - Constituents w/ SSI	Spring 2025 - Constituents w/ SSI	Fall 2025 - Constituents w/ SSI	Historic - Constituents w/ SSL	Spring 2025 - Constituents w/ SSL	Fall 2025 - Constituents w/ SSL	Total # of Samples in each monitoring program since October 14, 2014		
										Detection	Assessment	Corrective Action
MW-9 (b)	Glacial Till	Background	NC	None	None	None	None	None	None	25	0	0
MW-14 (b)	Glacial Till	Background	NC	None	None	None	None	None	None	25	0	0
MW-4 (b)	Glacial Till	Background	NC	None	None	None	None	None	None	25	0	0
MW-5 (b)	Glacial Till	Background	NC	None	None	None	None	None	None	25	0	0
MW-2	Glacial Till	Assessment	NC	**arsenic, cobalt, nickel, zinc, bis (2-ethylhexyl)phthalate**	None	None	None	None	None	0	24	0
MW-3	Glacial Till	Assessment	NC	**cobalt, nickel, zinc**	**cobalt, nickel**	**cobalt, nickel**	None	None	None	0	24	0
MW-6	Glacial Till	Assessment	NC	**arsenic, cobalt, zinc, bis (2-ethylhexyl)phthalate**	None	**arsenic**	None	None	None	0	24	0
MW-7	Glacial Till	Assessment	NC	**nickel, zinc**	None	None	None	None	None	0	24	0
MW-11	Glacial Till	Assessment	NC	**zinc**	None	None	None	None	None	0	24	0
MW-12	Glacial Till	Assessment	NC	**zinc, bis (2-ethylhexyl)phthalate**	None	None	None	None	None	0	24	0
MW-15	Glacial Till	Assessment	NC	**zinc, bis (2-ethylhexyl)phthalate**	None	None	None	None	None	0	23	0
MW-16	Glacial Till	Assessment	NC	**cobalt, nickel, zinc, bis (2-ethylhexyl)phthalate**	None	None	None	None	None	0	13	0

Table 2 – Monitoring Program Implementation Schedule

Table 2
Monitoring Program Implementation Schedule
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

Monitoring Well	Recent Sampling Dates and Constituents	Upcoming Sampling Dates and Constituents		Full Appendix II Sample Dates	
		April, 2026	October, 2026	Previously Collected	Next Event
MW-9 (b)		Appendix I	Appendix I	03/15/09	N/A
MW-14 (b)		Appendix I	Appendix I		N/A
MW-4 (b)		Appendix I	Appendix I	4/20/17; 4/23/18	N/A
MW-5 (b)		Appendix I	Appendix I	4/12/16; 10/11/16	N/A
MW-2		Appendix I	Appendix I	10/11/16; 10/12/17; 10/19/2022	Oct., 2027
MW-3		Appendix I	Appendix I	10/12/18, 10/17/19, 10/17/24	Oct., 2029
MW-6		Appendix I	Appendix I	4/20/17; 4/23/18; 4/6/23	April, 2028
MW-7		Appendix I	Appendix I	4/20/17; 4/23/18; 4/6/23	April, 2028
MW-11	**See following pages**	Appendix I	Appendix I	4/8/14, 10/14/14, 4/16/19, 4/11/24	April, 2029
MW-12		Appendix I	Appendix I	4/16/2019, 4/9/20, 4/10/25	April, 2030
MW-15		Appendix I	Appendix I	10/21/13, 4/8/14, 4/16/19, 4/11/24	April, 2029
MW-16		Appendix I	**Appendix II**	10/8/2020, 10/28/21	Oct., 2026

(b) background well

(1) = bis(2ethylhexyl) phthalate

Table 2A – Summary of Monitoring to Date

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

WELL	**4/16/08**	**6/17/08**	**8/8/08**	**10/5/08**	**12/3/08**
MW-9 (b)	---	---	---	---	---
MW-14 (b)	---	---	---	---	---
MW-10 (b)*	---	---	---	---	---
MW-1*	---	---	---	---	---
MW-2	---	---	---	---	---
MW-3	---	---	---	---	---
MW-4	---	---	---	---	---
MW-5	---	---	---	---	---
MW-6	---	---	---	---	---
MW-7	---	---	---	---	---
MW-11	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-12	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-15	---	---	---	---	---
SW-1	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
SW-2	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I

WELL	**4/15/09**	**6/17/09**	**7/24/09**	**10/19/09**	**11/2/09**
MW-9 (b)	**Appendix II**	Metals	metals	metals	Metals
MW-14 (b)	---	---	---	---	---
MW-10 (b)*	---	---	---	---	---
MW-1*	---	---	metals	metals	metals
MW-2	**Appendix II**	metals	metals	metals	metals
MW-3	**Appendix II**	metals	metals	metals	metals
MW-4	**Appendix II**	metals	metals	metals	metals
MW-5	**Appendix II**	metals	metals	metals	metals
MW-6	**Appendix II**	metals	metals	metals	metals
MW-7	**Appendix II**	metals	metals	metals	metals
MW-11	Appendix I	---	---	Appendix I	---
MW-12	Appendix I	---	---	Appendix I	---
MW-15	---	---	---	---	---
SW-1	Appendix I	---	---	Appendix I	---
SW-2	Appendix I	---	---	Appendix I	---

WELL	**4/19/10**	**7/16/10**	**9/22/10**	**4/13/11**	**9/28/11**
MW-9 (b)	Appendix I		Appendix I	Appendix I	Appendix I
MW-14 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-10 (b)*	---	---	---	---	---
MW-1*	metals	metals	metals	metals	metals
MW-2	metals	metals	metals	metals	metals
MW-3	metals	metals	metals	metals	metals
MW-4	metals	metals	metals	metals	metals
MW-5	metals	metals	metals	metals	metals
MW-6	metals	metals	metals	metals	metals
MW-7	metals	metals	metals	metals	metals
MW-11	Appendix I	---	Appendix I	Appendix I	Appendix I
MW-12	Appendix I	---	Appendix I	Appendix I	Appendix I
MW-15	---	---	---	---	---
SW-1	Appendix I	---	Appendix I	Appendix I	Appendix I
SW-2	Appendix I	---	Appendix I	Appendix I	Appendix I

WELL	4/23/12	9/24/12	12/4/12	4/24/13	10/21/13
MW-9 (b)	Appendix I	Appendix I	---	Appendix I	Appendix I
MW-14 (b)	Appendix I	Appendix I	---	Appendix I	Appendix I
MW-10 (b)*	Appendix I	Appendix I	---	Appendix I	Appendix I
MW-1*	Appendix I	Appendix I	---	Appendix I	Appendix I
MW-2	Appendix I	Appendix I	---	Appendix I	Appendix I
MW-3	Appendix I	Appendix I	---	Appendix I	Appendix I
MW-4	Appendix I	Appendix I	---	Appendix I	Appendix I
MW-5	Appendix I	Appendix I	---	Appendix I	Appendix I
MW-6	Appendix I	Appendix I	---	Appendix I	Appendix I
MW-7	Appendix I	Appendix I	---	Appendix I	Appendix I
MW-11	Appendix I	Appendix I	---	Appendix I	Appendix I
MW-12	Appendix I	Appendix I	---	Appendix I	Appendix I
MW-15	---	---	Appendix I	Appendix I	**Appendix II**
SW-1	Appendix I	Appendix I	---	Appendix I	Appendix I
SW-2	Appendix I	Appendix I	---	Appendix I	Appendix I
Duplicate	Yes	Yes		At MW-12	At MW-14

WELL	3/5/14	4/8/14	7/17/14	10/14/14	1/12/15
MW-9 (b)	---	Appendix I	---	Appendix I	Appendix I
MW-14 (b)	---	Appendix I	---	Appendix I	Appendix I
MW-10 (b)*	---	Appendix I	---	Appendix I	Appendix I
MW-1*	As (R)	**Appendix II**	---	**Appendix II**	Zn (R)
MW-2	As (R)	Appendix I	---	Appendix I	---
MW-3	---	Appendix I	---	Appendix I	---
MW-4	---	Appendix I	---	Appendix I	Zn (R)
MW-5	---	Appendix I	---	Appendix I	---
MW-6	---	Appendix I	As + Zn (R)	Appendix I	---
MW-7	---	Appendix I	---	Appendix I	---
MW-11	---	**Appendix II**	---	**Appendix II**	---
MW-12	---	Appendix I	---	Appendix I	---
MW-15	---	**Appendix II**	---	Appendix I[(2)]	---
SW-1	---	Appendix I	---	Appendix I	---
SW-2	---	**Appendix II**	---	**Appendix II**	---
Duplicate	---	At SW-2	---	At MW-5	---

WELL	4/22/15	7/21/15	9/22/15	11/24/15
MW-9 (b)	Appendix I	Appendix I	Appendix I	---
MW-14 (b)	Appendix I	Appendix I	Appendix I	---
MW-10 (b)*	Appendix I	Appendix I	Appendix I	---
MW-1*	Appendix I	---	Appendix I	---
MW-2	Appendix I	---	Appendix I	---
MW-3	Appendix I	---	Appendix I	---
MW-4	Appendix I	---	Appendix I	---
MW-5	Appendix I	---	Appendix I	Ba (R)
MW-6	Appendix I	---	Appendix I	As (R)
MW-7	Appendix I	---	Appendix I	---
MW-11	**Appendix I[(3,4,5,7)]**	[(3,4,5,7)]	**Appendix I[(3,4,5,7)]**	---
MW-12	Appendix I	---	Appendix I	---
MW-15	**Appendix I[(2)]**	---	**Appendix I[(2)]**	---
SW-1	Appendix I	---	Appendix I	---
SW-2	**Appendix I[(5,6)]**	---	**Dry**	**Plugged**
Duplicate	At MW-12	---	At MW-15	---

WELL	4/12/16	6/14/16	10/11/16	1/17/17
MW-9 (b)	Appendix I	---	Appendix I	---
MW-14 (b)	Appendix I	---	Appendix I	---
MW-2	Appendix I	As (R)	**Appendix II**	---
MW-3	Appendix I	---	Appendix I	---
MW-4	Appendix I	---	Appendix I	Zn (R)
MW-5	**Appendix II**	---	**Appendix II**	---
MW-6	Appendix I	---	Appendix I	Co (R)
MW-7	Appendix I	---	Appendix I	Ni (R)
MW-11	**Appendix I(3,4,5,7)**	---	**Appendix I(3,4,5,7)**	---
MW-12	Appendix I	---	Appendix I	---
MW-15	**Appendix I(2)**	---	**Appendix I(2)**	---
SW-1	Appendix I	---	Appendix I	Co + Ni (R)
Duplicate	At MW-5	---	At MW-15	---

(R) = Resample
(b) background well
(1) = Appendix I plus no detected Appendix II compounds performed in accordance with 113.10(6)B.2.
(2) = bis(2ethylhexyl) phthalate
(3) = diethyl phthalate
(4) = methyl parathion
(5) = phorate
(6) = sulfide.
(7) = thionazin

WELL	4/20/17	10/12/17	4/23/18	7/5/18	10/12/18
MW-9 (b)	Appendix I	Appendix I	Appendix I		Appendix I
MW-14 (b)	Appendix I	Appendix I	Appendix I		Appendix I
MW-2	Appendix I(1)	**Appendix II**	Appendix I (2)		Appendix I (2)
MW-3	Appendix I	Appendix I	Appendix I	Zn (R)	**Appendix II**
MW-4	**Appendix II**	Appendix I	**Appendix II**	bis(2ethylhexyl) phthalate	Appendix I (2)
MW-5	Appendix I(1)	Appendix I(1)	Appendix I		Appendix I
MW-6	**Appendix II**	Appendix I	**Appendix II**	bis(2ethylhexyl) phthalate	Appendix I (2)
MW-7	**Appendix II**	Appendix I	**Appendix II**		Appendix I
MW-11	Appendix I	Appendix I	Appendix I		Appendix I
MW-12	Appendix I	Appendix I	Appendix I		Appendix I
MW-15	Appendix I (2)	Appendix I (2)	Appendix I (2)		Appendix I (2)
SW-1	Appendix I	---	---		Appendix I
Duplicate	At MW-5	At MW-2	At MW-14		At MW-9

(R) = Resample
(b) background well
(1) = Appendix I plus no detected Appendix II compounds performed in accordance with 113.10(6)B.2.
(2) = bis(2ethylhexyl) phthalate

WELL	4/16/19	10/17/19	4/9/2020	10/8/2020	12/9/2020
MW-9 (b)	Appendix I	Appendix I	Appendix I	Appendix I	---
MW-14 (b)	Appendix I	Appendix I	Appendix I	Appendix I	---
MW-2	Appendix I (2)	Appendix I (2)	Appendix I (2)	Appendix I (2)	---
MW-3	Appendix I(1)	**Appendix II**	Appendix I(1)	Appendix I(1)	---
MW-4	Appendix I (2)	Appendix I (2)	Appendix I (2)	Appendix I (2)	---
MW-5	Appendix I(1)	Appendix I(1)	Appendix I(1)	Appendix I(1)	---
MW-6	Appendix I (2)	Appendix I (2)	Appendix I (2)	Appendix I (2)	---
MW-7	Appendix I(1)	Appendix I(1)	Appendix I(1)	Appendix I(1)	---
MW-11	**Appendix II**	Appendix I(1)	Appendix I(1)	Appendix I(1)	---
MW-12	**Appendix II**	Appendix I (2)	**Appendix II**	Appendix I (2)	---
MW-15	**Appendix II**	Appendix I (2)	Appendix I (2)	Appendix I (2)	---
MW-16	---	Appendix I	Appendix I	**Appendix II**	(R) bis(2ethylhexyl) phthalate
Duplicate	At MW-14	At MW-4	At MW-9	At MW-6	

(R) = Resample
(b) background well
(1) = Appendix I plus no detected Appendix II compounds performed in accordance with 113.10(6)B.2.
(2) = bis(2ethylhexyl) phthalate

WELL	4/15/2021	10/28/2021	4/13/2022	10/19/2022
MW-9 (b)	Appendix I	Appendix I	Appendix I	Appendix I
MW-14 (b)	Appendix I	Appendix I	Appendix I	Appendix I
MW-4 (b)	Appendix I	Appendix I	Appendix I	Appendix I
MW-5 (b)	Appendix I	Appendix I	Appendix I	Appendix I
MW-2	Appendix I (1)	Appendix I (1)	Appendix I (1)	**Appendix II**
MW-3	Appendix I	Appendix I	Appendix I	Appendix I
MW-6	Appendix I (1)	Appendix I (1)	Appendix I (1)	Appendix I
MW-7	Appendix I	Appendix I	Appendix I	Appendix I
MW-11	Appendix I	Appendix I	Appendix I	Appendix I
MW-12	Appendix I (1)	Appendix I (1)	Appendix I (1)	Appendix I
MW-15	Appendix I (1)	Appendix I (1)	Appendix I (1)	Appendix I
MW-16	Appendix I	**Appendix II**	Appendix I (1)	Appendix I (1)
Duplicate	At MW-4	At MW-3	At MW-6	At MW-9

(1) = bis(2ethylhexyl) phthalate

WELL	4/6/2023	10/10/2023	4/11/2024	10/17/2024
MW-9 (b)	Appendix I	Appendix I	Appendix I	Appendix I
MW-14 (b)	Appendix I	Appendix I	Appendix I	Appendix I
MW-4 (b)	Appendix I	Appendix I	Appendix I	Appendix I
MW-5 (b)	Appendix I	Appendix I	Appendix I	Appendix I
MW-2	Appendix I	Appendix I	Appendix I	Appendix I
MW-3	Appendix I	Appendix I	Appendix I	**Appendix II**
MW-6	**Appendix II**	Appendix I (1)	Appendix I	Appendix I
MW-7	**Appendix II**	Appendix I	Appendix I	Appendix I
MW-11	Appendix I	Appendix I	**Appendix II**	Appendix I
MW-12	Appendix I	Appendix I	Appendix I	Appendix I
MW-15	Appendix I	Appendix I	**Appendix II**	Appendix I
MW-16	Appendix I (1)	Appendix I	Appendix I	Appendix I
Duplicate	At MW-7	At MW-3	At MW-2	At MW-14

(1) = bis(2ethylhexyl) phthalate

WELL	**4/10/2025**	**10/21/2025**
MW-9 (b)	Appendix I	Appendix I
MW-14 (b)	Appendix I	Appendix I
MW-4 (b)	Appendix I	Appendix I
MW-5 (b)	Appendix I	Appendix I
MW-2	Appendix I	Appendix I
MW-3	Appendix I	Appendix I
MW-6	Appendix I	Appendix I
MW-7	Appendix I	Appendix I
MW-11	Appendix I	Appendix I
MW-12	**Appendix II**	Appendix I
MW-15	Appendix I	Appendix I
MW-16	Appendix I	Appendix I
Duplicate	At MW-3	At MW-2

(1) = bis(2ethylhexyl) phthalate

Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule

Table 3
Monitoring Well Maintenance and Performance Revaluation Schedule
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

Compliance with:	Monitoring Calendar Years									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
567 IAC 113.10(2)"f"(1) high and low water levels (biennial)	X	x	X	X	X	X	X	X	X	X
567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths (historic = 1 per 5 years; current = biennial)	X	X	X	X	X	X	X	X	X	X
567 IAC 113.10(2)"f"(3) well depths (annual)	X	X	X	X	X	X	X	X	X	X
567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial)	X		X		X	X		X		X
Waste separation from ground water 113.6(2)"I"	2X	2X	2X	2X	2X	2X	2X	2X	2X	2X

Compliance with:	Monitoring Calendar Years									
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
567 IAC 113.10(2)"f"(1) high and low water levels (biennial)	X	X	X	P	P	P	P	P	P	P
567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths (historic = 1 per 5 years; current = biennial)		X		P		P		P		P
567 IAC 113.10(2)"f"(3) well depths (annual)	X	X	X	P	P	P	P	P	P	P
567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial)		X		P		P		P		P
Waste separation from ground water 113.6(2)"I"	1X	2X	2X	2P	2P	2P	2P	2P	2P	2P

X = completed
P = Planned
N/A = Not Applicable

Table 4 – Monitoring Well Maintenance Performance Reevaluation Summary

Table 4
Monitoring Well Maintenance and Performance Summary
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

Well	Top of casing	Top of Screen	Total Depth		Date of Measurements		Maximum Depth	Hydraulic Cond.	Most Recent Recharge Rate	
					4/10/2025	10/21/2025	Discrepancy (ft)	(cm/sec)/date	**4/11/2024**	Change
MW-9 (b)	1207.51	1184.89	32.62	Groundwater Level (ft)	7.15	6.14	0.12	0.000113 2013	Full recovery in >24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1200.36	1201.37				
				Measured Well Depth (ft)	32.5	32.5				
				Submerged (+) or Exposed screen (-)	15.47	16.48				
MW-14 (b)	1209.87	1196.69	23.18	Groundwater Level (ft)	5.27	7.24	0.28	0.000245 2013	Full recovery in <5 hour	None percieved
				Groundwater Elevation (Ft MSL)	1204.6	1202.63				
				Measured Well Depth (ft)	22.9	22.9				
				Submerged (+) or Exposed screen (-)	7.91	5.94				
MW-2	1180.67	1162.82	32.85	Groundwater Level (ft)	1.85	6	0.05	0.0000292 2013	Full recovery in <6 hour	None percieved
				Groundwater Elevation (Ft MSL)	1178.82	1174.67				
				Measured Well Depth (ft)	32.8	32.8				
				Submerged (+) or Exposed screen (-)	16	11.85				
MW-3	1189.79	1182.24	22.55	Groundwater Level (ft)	14.7	15.03	-0.05	0.0000332 2013	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	1175.09	1174.76				
				Measured Well Depth (ft)	22.6	22.6				
				Submerged (+) or Exposed screen (-)	-7.15	-7.48				
MW-4 (b)	1209.46	1192.08	32.38	Groundwater Level (ft)	4.79	8.8	-0.42	0.0000244 2013	Full recovery in 6 hours	None percieved
				Groundwater Elevation (Ft MSL)	1204.67	1200.66				
				Measured Well Depth (ft)	32.8	32.8				
				Submerged (+) or Exposed screen (-)	12.59	8.58				
MW-5 (b)	1209.87	1193.22	31.65	Groundwater Level (ft)	4.68	9.27	-0.05	0.000036 2013	Full recovery in 6 hours	None percieved
				Groundwater Elevation (Ft MSL)	1205.19	1200.6				
				Measured Well Depth (ft)	31.7	31.7				
				Submerged (+) or Exposed screen (-)	11.97	7.38				
MW-6	1201.7	1184	32.7	Groundwater Level (ft)	5.7	10.21	0.1	0.0000183 2013	Full recovery in 5 hour	None percieved
				Groundwater Elevation (Ft MSL)	1196	1191.49				
				Measured Well Depth (ft)	32.6	32.6				
				Submerged (+) or Exposed screen (-)	12	7.49				
MW-7	1197.57	1189.91	22.66	Groundwater Level (ft)	4.24	8.65	0.26	0.0000294 2013	Full recovery in 4 hour	None percieved
				Groundwater Elevation (Ft MSL)	1193.33	1188.92				
				Measured Well Depth (ft)	22.4	22.4				
				Submerged (+) or Exposed screen (-)	3.42	-0.99				
MW-11	1179.86	1152.72	37.14	Groundwater Level (ft)	13.7	10.48	0.34	0.0000549 2013	Full recovery in >24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1166.16	1169.38				
				Measured Well Depth (ft)	36.8	36.8				
				Submerged (+) or Exposed screen (-)	13.44	16.66				
MW-12	1181.55	1170.04	21.51	Groundwater Level (ft)	2.55	13.85	0.31	0.0000425 2013	Full recovery in 4 hour	None percieved
				Groundwater Elevation (Ft MSL)	1179	1167.7				
				Measured Well Depth (ft)	21.2	21.2				
				Submerged (+) or Exposed screen (-)	8.96	-2.34				
MW-15	1183.46	1163.26	30.2	Groundwater Level (ft)	12.65	9.54	0	0.0000456 2013	Full recovery in >24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1170.81	1173.92				
				Measured Well Depth (ft)	30.2	30.2				
				Submerged (+) or Exposed screen (-)	7.55	10.66				
MW-16	1185.93	1165.93	30.43	Groundwater Level (ft)	19.09	15.58	0.03	0.00000179 2020	Full recovery in >24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1166.84	1170.35				
				Measured Well Depth (ft)	30.4	30.4				
				Submerged (+) or Exposed screen (-)	0.91	4.42				

Table 4A – Historic Water Elevation Monitoring Summary

Table 4A

Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

Phase 1, 2, and 3 water-level data
TOC, top of casing.

Monitor Well/ TOC Elev. (ft)	Screened Interval		Water Level	DATE						
	Depth (ft)	Elev. (ft)		4/16/08	10/3/08	4/15/09	10/19/09	4/19/10	9/22/10	4/13/11
MW-11	27.1	1152.7	**Depth (ft)**	12.98	10.84	13.99	11.19	14.79	11.02	13.61
1179.86	37.1	1142.7	**Elev. (ft)**	1166.88	1169.02	1165.87	1168.67	1165.07	1168.84	1166.25
MW-12	11.5	1170.0	**Depth (ft)**	13.14	14.75	14.03	14.11	13.34	14.92	13.40
1181.55	21.5	1160.0	**Elev. (ft)**	1168.41	1166.80	1167.52	1167.44	1168.21	1166.63	1168.15
MW-14	12.0	1197.9	**Depth (ft)**	---	---	---	---	---	8.67	6.61
1209.87	22.0	1187.9	**Elev. (ft)**	---	---	---	---	---	1201.20	1203.26
MW-15	18.0	1165.5	**Depth (ft)**	---	---	---	---	---	---	---
1183.46	28.0	1155.5	**Elev. (ft)**	---	---	---	---	---	---	---
MW-16	20.4	1165.5	**Depth (ft)**							
1185.93	30.4	1155.5	**Elev. (ft)**							

Table 4A

Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

Phase 1, 2, and 3 water-level data
TOC, top of casing.

Monitor Well/ TOC Elev. (ft)	Screened Interval Depth (ft)	Screened Interval Elev. (ft)	Water Level	DATE								
				9/28/11	**4/23/12**	**6/5/12**	**9/24/12**	**11/30/12**	**4/24/13**	**10/21/13**	**4/8/14**	**10/14/14**
MW-11	27.1	1152.7	**Depth (ft)**	11.09	14.55	14.65	11.91	13.28	15.85	21.70	14.77	11.70
1179.86	37.1	1142.7	**Elev. (ft)**	1168.77	1165.31	1165.21	1167.95	1166.58	1164.01	1158.16	1165.09	1168.16
MW-12	11.5	1170.0	**Depth (ft)**	15.43	12.53	15.21	16.50	16.66	11.70	12.90	11.95	14.60
1181.55	21.5	1160.0	**Elev. (ft)**	1166.12	1169.02	1166.34	1165.05	1164.89	1169.85	1168.65	1169.60	1166.95
MW-14	12.0	1197.9	**Depth (ft)**	10.25	5.10	8.34	12.05	10.23	3.70	6.50	4.04	7.30
1209.87	22.0	1187.9	**Elev. (ft)**	1199.62	1204.77	1201.53	1197.82	1199.64	1206.17	1203.37	1205.83	1202.57
MW-15	18.0	1165.5	**Depth (ft)**	---	---	---	---	28.75	20.00	9.60	14.70	9.90
1183.46	28.0	1155.5	**Elev. (ft)**	---	---	---	---	1154.71	1163.46	1173.86	1168.76	1173.56
MW-16	20.4	1165.5	**Depth (ft)**									
1185.93	30.4	1155.5	**Elev. (ft)**									

Table 4A

Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

Phase 1, 2, and 3 water-level data
TOC, top of casing.

Monitor Well/ TOC Elev. (ft)	Screened Interval Depth (ft)	Screened Interval Elev. (ft)	Water Level	DATE								
				4/13/15	**9/22/15**	**4/12/16**	**10/11/16**	**4/20/17**	**10/12/17**	**4/23/18**	**10/12/18**	**4/16/19**
MW-11	27.1	1152.7	**Depth (ft)**	13.60	23.49	15.25	12.40	11.92	11.41	13.53	13.52	12.91
1179.86	37.1	1142.7	**Elev. (ft)**	1166.26	1156.37	1164.61	1167.46	1167.94	1168.45	1166.33	1166.34	1166.95
MW-12	11.5	1170.0	**Depth (ft)**	11.55	14.70	13.73	13.72	11.36	13.10	11.66	11.62	12.52
1181.55	21.5	1160.0	**Elev. (ft)**	1170.00	1166.85	1167.82	1167.83	1170.19	1168.45	1169.89	1169.93	1169.03
MW-14	12.0	1197.9	**Depth (ft)**	4.53	9.24	5.50	6.53	3.37	6.77	3.45	4.62	6.27
1209.87	22.0	1187.9	**Elev. (ft)**	1205.34	1200.63	1204.37	1203.34	1206.50	1203.10	1206.42	1205.25	1203.60
MW-15	18.0	1165.5	**Depth (ft)**	12.96	8.93	10.66	8.34	10.67	9.70	13.13	8.94	11.79
1183.46	28.0	1155.5	**Elev. (ft)**	1170.50	1174.53	1172.80	1175.12	1172.79	1173.76	1170.33	1174.52	1171.67
MW-16	20.4	1165.5	**Depth (ft)**									
1185.93	30.4	1155.5	**Elev. (ft)**									

Table 4A

Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

Phase 1, 2, and 3 water-level data
TOC, top of casing.

Monitor Well/ TOC Elev. (ft)	Screened Interval Depth (ft)	Screened Interval Elev. (ft)	Water Level	10/17/19	4/9/20	10/8/20	4/15/21	10/28/21	4/13/22	10/19/22	4/6/23	10/10/23
MW-11	27.1	1152.7	**Depth (ft)**	9.85	9.88	9.93	13.26	10.35	13.65	10.19	12.91	11.30
1179.86	37.1	1142.7	**Elev. (ft)**	1170.01	1169.98	1169.93	1166.60	1169.51	1166.21	1169.67	1166.95	1168.56
MW-12	11.5	1170.0	**Depth (ft)**	12.10	11.47	15.03	12.02	12.00	11.06	15.24	11.68	15.30
1181.55	21.5	1160.0	**Elev. (ft)**	1169.45	1170.08	1166.52	1169.53	1169.55	1170.49	1166.31	1169.87	1166.25
MW-14	12.0	1197.9	**Depth (ft)**	5.89	6.23	9.56	6.76	6.93	6.04	8.55	6.09	10.10
1209.87	22.0	1187.9	**Elev. (ft)**	1203.98	1203.64	1200.31	1203.11	1202.94	1203.83	1201.32	1203.78	1199.77
MW-15	18.0	1165.5	**Depth (ft)**	8.92	11.22	11.74	10.57	8.89	10.72	8.84	9.15	9.81
1183.46	28.0	1155.5	**Elev. (ft)**	1174.54	1172.24	1171.72	1172.89	1174.57	1172.74	1174.62	1174.31	1173.65
MW-16	20.4	1165.5	**Depth (ft)**	22.03	14.92	8.73	16.85	9.68	16.64	11.58	17.30	12.75
1185.93	30.4	1155.5	**Elev. (ft)**	1163.90	1171.01	1177.20	1169.08	1176.25	1169.29	1174.35	1168.63	1173.18

Table 4A

Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

Phase 1, 2, and 3 water-level data
TOC, top of casing.

Monitor Well/ TOC Elev. (ft)	Screened Interval Depth (ft)	Screened Interval Elev. (ft)	Water Level	4/11/24	10/17/24	4/10/25	10/21/25	Maximum	Minimum
MW-11	27.1	1152.7	**Depth (ft)**	13.50	10.96	13.70	10.48	**23.49**	**9.85**
1179.86	37.1	1142.7	**Elev. (ft)**	1166.36	1168.90	1166.16	1169.38	**1170.01**	**1156.37**
MW-12	11.5	1170.0	**Depth (ft)**	12.92	16.40	12.55	13.85	**16.66**	**11.06**
1181.55	21.5	1160.0	**Elev. (ft)**	1168.63	1165.15	1169.00	1167.70	**1170.19**	**1164.89**
MW-14	12.0	1197.9	**Depth (ft)**	5.45	10.84	5.27	7.24	**12.05**	**3.37**
1209.87	22.0	1187.9	**Elev. (ft)**	1204.42	1199.03	1204.60	1202.63	**1206.50**	**1197.82**
MW-15	18.0	1165.5	**Depth (ft)**	10.94	11.07	12.65	9.54	**23.49**	**9.85**
1183.46	28.0	1155.5	**Elev. (ft)**	1172.52	1172.39	1170.81	1173.92	**1175.12**	**1154.71**
MW-16	20.4	1165.5	**Depth (ft)**	18.22	14.65	19.09	15.58	**22.03**	**8.73**
1185.93	30.4	1155.5	**Elev. (ft)**	1167.71	1171.28	1166.84	1170.35	**1177.20**	**1163.90**

Table 5 – Background and GWPS Summary

Table 5
Background and GWPS Summary
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

Interwell Background Well (MW-4, MW-5, MW-9 and MW-14)

Inorganics - Appendix I										
Constituent	**Units**	**Model Type**	**Samples - N**	**Detections**	**Mean**	**SD**	**Prediction Limit**	**Confidence**	**GWPS**	**Source**
Antimony (Sb)	µg/l	nonparametric	96	1			2.50	0.99	6	SS
Arsenic (As)	µg/l	nonparametric	96	2			4.50	0.99	10	SS
Barium (Ba)	µg/l	nonparametric	95	95			338.0000		2000	SS
Beryllium (Be)	µg/l	nonparametric	96	0			4.00	0.99	4	SS
Cadmium (Cd)	µg/l	nonparametric	96	7			**5.30**	0.99	**5.3**	Site
Chromium (Cr)	µg/l	nonparametric	96	6			9.10	0.99	100	SS
Cobalt (Co)	µg/l	nonparametric	96	12			**3.50**	0.99	**3.5**	Site
Copper (Cu)	µg/l	nonparametric	96	7			12.60	0.99	1300	SS
Lead (Pb)	µg/l	nonparametric	96	3			11.90	0.99	15	SS
Nickel (Ni)	µg/l	nonparametric	94	14			9.80	0.99	100	SS
Selenium (Se)	µg/l	nonparametric	96	6			5.50	0.99	50	SS
Silver (Ag)	µg/l	nonparametric	96	0			4.00	0.99	100	SS
Thallium (Tl)	µg/l	nonparametric	96	0			2.00	0.99	2	SS
Vanadium (V)	µg/l	nonparametric	96	0			20.00	0.99	35	SS
Zinc (Zn)	µg/l	nonparametric	95	26			237.00	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	96	0	<1	<1	<1	<1	various	SS

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

Table 6 – Summary of Detections

Table 6
Summary of Well/Detected Constituent Pairs that Exceed the Prediction Limit
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

Well	Compound	Date	Result (ug/L)	Prediction Limit (ug/L)	GWPS (ug/L)	Monitoring Program
MW 2	*None*					Assessment Monitoring
MW 3	Cobalt	4/10/2025	20.5	3.5	**3.5**	Assessment Monitoring
MW 3	Cobalt	10/21/2025	4.9	3.5	**3.5**	Assessment Monitoring
MW 3	Nickel	4/10/2025	40.4	9.8	100	Assessment Monitoring
MW 3	Nickel	10/21/2025	13.0	9.8	100	Assessment Monitoring
MW 6	Arsenic	4/10/2025	4.9	4.5	10	Assessment Monitoring
MW 7	*None*					Assessment Monitoring
MW 11	*None*					Assessment Monitoring
MW 12	*None*					Assessment Monitoring
MW 15	*None*					Assessment Monitoring
MW 16	*None*					Assessment Monitoring

Table 7 – Summary of Ongoing and Newly Identified SSI

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 2	Arsenic	4/12/2016	12.5	4.00	0.000	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	10/11/2016	<4.0	4.00	0.000	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	4/20/2017	9.4	4.00	2.347	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	10/12/2017	5.0	4.00	2.099	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	4/23/2018	4.7	4.00	1.672	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	10/12/2018	<4.0	4.00	1.672	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	4/16/2019	4.3	4.00	2.396	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	10/17/2019	<4.0	4.00	1.541	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	4/9/2020	<4.0	4.00	1.222	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	10/8/2020	<4.0	4.00	1.222	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	4/15/2021	<4.0	4.00	2.000	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	10/28/2021	<4.0	4.00	2.000	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	4/13/2022	<4.0	4.00	2.000	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	10/19/2022	4.1	4.00	1.290	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	4/6/2023	4.1	4.50	1.624	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	10/10/2023	<4.0	4.50	1.624	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	4/11/2024	4.3	4.50	2.683	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	10/17/2024	<4.0	4.50	1.998	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	4/10/2025	<2.0	4.50	1.222	10	4/12/2016	NA	10/11/2016
MW 2	Arsenic	10/21/2025	2.7	4.50	1.298	10	4/12/2016	NA	10/11/2016

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 2	Cobalt	4/12/2016	1.5	0.80	---	2.8	4/12/2016	NA	10/11/2016
MW 2	Cobalt	10/11/2016	2.6	0.80	0.808	2.8	4/12/2016	NA	10/11/2016
MW 2	Cobalt	4/20/2017	3.9	0.80	1.574	2.8	4/12/2016	NA	10/11/2016
MW 2	Cobalt	10/12/2017	5.5	0.80	1.348	2.8	4/12/2016	NA	10/11/2016
MW 2	Cobalt	4/23/2018	3.3	0.80	2.370	2.8	4/12/2016	NA	10/11/2016
MW 2	Cobalt	10/12/2018	2.4	0.80	2.240	2.8	4/12/2016	NA	10/11/2016
MW 2	Cobalt	4/16/2019	3.0	0.80	1.959	2.1	4/12/2016	NA	10/11/2016
MW 2	Cobalt	10/17/2019	0.8	0.80	1.064	2.1	4/12/2016	NA	10/11/2016
MW 2	Cobalt	4/9/2020	5.8	3.40	0.548	**3.4**	4/12/2016	NA	10/11/2016
MW 2	Cobalt	10/8/2020	4.2	3.40	0.972	**3.4**	4/12/2016	NA	10/11/2016
MW 2	Cobalt	4/15/2021	5.1	3.40	1.369	**3.4**	4/12/2016	NA	10/11/2016
MW 2	Cobalt	10/28/2021	1.7	3.40	2.094	**3.4**	4/12/2016	NA	10/11/2016
MW 2	Cobalt	4/13/2022	4.4	3.40	2.104	**3.4**	4/12/2016	NA	10/11/2016
MW 2	Cobalt	10/19/2022	4.0	3.40	2.069	**3.4**	4/12/2016	NA	10/11/2016
MW 2	Cobalt	4/6/2023	2.8	3.50	1.786	**3.5**	4/12/2016	NA	10/11/2016
MW 2	Cobalt	10/10/2023	1.8	3.50	1.860	**3.5**	4/12/2016	NA	10/11/2016
MW 2	Cobalt	4/11/2024	2.3	3.50	1.908	**3.5**	4/12/2016	NA	10/11/2016
MW 2	Cobalt	10/17/2024	2.3	3.50	1.946	**3.5**	4/12/2016	NA	10/11/2016
MW 2	Cobalt	4/10/2025	0.9	3.50	1.048	**3.5**	4/12/2016	NA	10/11/2016
MW 2	Cobalt	10/21/2025	2.7	3.50	1.366	**3.5**	4/12/2016	NA	10/11/2016

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 2	Nickel	4/12/2016	<4.0	4.00	---	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	10/11/2016	4.4	4.00	1.494	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	4/20/2017	4.7	4.00	2.411	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	10/12/2017	4.2	4.00	2.374	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	4/23/2018	<4.0	4.00	2.374	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	10/12/2018	5.7	4.00	2.311	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	4/16/2019	4.5	4.00	2.285	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	10/17/2019	4.4	4.00	2.326	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	4/9/2020	<4.0	4.00	2.326	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	10/8/2020	<4.0	9.50	1.560	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	4/15/2021	<4.0	9.50	1.561	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	10/28/2021	<4.0	9.50	2.000	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	4/13/2022	<4.0	9.50	2.000	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	10/19/2022	4.6	9.50	1.121	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	4/6/2023	<4.0	9.80	1.121	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	10/10/2023	<4.0	9.80	1.121	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	4/11/2024	<4.0	9.80	1.524	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	10/17/2024	4.9	9.80	1.469	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	4/10/2025	<5.0	9.80	1.019	100	10/11/2016	NA	10/11/2016
MW 2	Nickel	10/21/2025	<5.0	9.80	1.845	100	10/11/2016	NA	10/11/2016

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 2	Zinc	4/12/2016	<8.0	16.1	3.100	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	10/11/2016	8.3	16.1	3.105	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	4/20/2017	<20.0	16.1	2.546	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	10/12/2017	9.5	16.1	3.073	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	4/23/2018	9.0	16.1	4.741	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	10/12/2018	25.3	16.1	1.081	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	4/16/2019	42.3	16.1	2.959	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	10/17/2019	30.6	29.9	10.532	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	4/9/2020	<20.0	237.0	7.474	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	10/8/2020	<20.0	237.0	0.000	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	4/15/2021	<20.0	237.0	6.230	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	10/28/2021	<20.0	237.0	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	4/13/2022	<20.0	237.0	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	10/19/2022	<20.0	237.0	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	4/6/2023	<20.0	237.0	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	10/10/2023	<20.0	237.0	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	4/11/2024	<20.0	237.0	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	10/17/2024	<20.0	237.0	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	4/10/2025	8.6	237.0	9.044	2,000.00	10/12/2018	NA	10/11/2016
MW 2	Zinc	10/21/2025	5.4	237.0	6.621	2,000.00	10/12/2018	NA	10/11/2016

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 2	Bis (2-ethylhexyl)phthalate	4/12/2016	---	6	---	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	10/11/2016	<8	6	---	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	4/20/2017	---	6	---	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	10/12/2017	35.0	6	---	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	4/23/2018	<6	6	0.000	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	10/12/2018	<6	6	0.000	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	4/16/2019	<6	6	0.000	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	10/17/2019	25.0	6	0.000	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	4/9/2020	<6	6	0.000	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	10/8/2020	<6	6	0.000	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	4/15/2021	<6	6	0.000	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	10/28/2021	12.0	6	1.353	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	4/13/2022	11.0	6	1.457	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	10/19/2022	<6	6	1.457	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	4/6/2023	NT	6	1.457	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	10/10/2023	NT	6	1.457	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	4/11/2024	NT	6	1.457	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	10/17/2024	NT	6	1.457	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	4/10/2025	NT	6	1.457	6	10/12/2017	NA	10/11/2016
MW 2	Bis (2-ethylhexyl)phthalate	10/21/2025	NT	6	1.457	6	10/12/2017	NA	10/11/2016

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

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

KEY:	SSI	SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 3	Cobalt	4/12/2016	<0.8	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	10/11/2016	<0.8	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	4/20/2017	<0.8	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	10/12/2017	<0.8	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	4/23/2018	<0.8	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	7/5/2018	<0.8	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	10/12/2018	<0.8	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	4/16/2019	<0.8	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	10/17/2019	<0.8	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	4/9/2020	<0.4	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	10/8/2020	<0.4	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	4/15/2021	<0.4	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	10/28/2021	<0.4	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	4/13/2022	<0.4	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	10/19/2022	<0.4	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	4/6/2023	<0.4	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	10/10/2023	<0.4	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	4/11/2024	<0.4	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	10/17/2024	<0.4	3.5	---	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	4/10/2025	20.5	3.5	0.000	**3.5**	4/10/2025	NA	4/23/2018
MW 3	Cobalt	10/21/2025	4.9	3.5	0.000	**3.5**	4/10/2025	NA	4/23/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

KEY:	SSI	SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 3	Nickel	4/12/2016	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	10/11/2016	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	4/20/2017	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	10/12/2017	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	4/23/2018	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	7/5/2018	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	10/12/2018	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	4/16/2019	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	10/17/2019	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	4/9/2020	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	10/8/2020	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	4/15/2021	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	10/28/2021	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	4/13/2022	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	10/19/2022	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	4/6/2023	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	10/10/2023	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	4/11/2024	<4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	10/17/2024	4.4	9.8	---	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	4/10/2025	40.4	9.8	0.000	100	4/10/2025	NA	4/23/2018
MW 3	Nickel	10/21/2025	13	9.8	0.000	100	4/10/2025	NA	4/23/2018

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Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

KEY:	SSI	SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 3	Zinc	4/12/2016	<8.0	16.1	4.000	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	10/11/2016	<8.0	16.1	4.000	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	4/20/2017	<20.0	16.1	4.000	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	10/12/2017	<8.0	16.1	4.000	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	4/23/2018	22.7	16.1	0.000	2,000	4/23/2018	7/5/2018	4/23/2018
MW 3	Zinc	7/5/2018	152	16.1	0.000	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	10/12/2018	29.8	16.1	0.000	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	4/16/2019	20.6	16.1	0.000	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	10/17/2019	26.3	29.9	0.000	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	4/9/2020	<20.0	237.0	6.729	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	10/8/2020	<20.0	237.0	0.235	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	4/15/2021	<20.0	237.0	7.017	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	10/28/2021	<20.0	237.0	10.000	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	4/13/2022	<20.0	237.0	10.000	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	10/19/2022	<20.0	237.0	10.000	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	4/6/2023	<20.0	237.0	10.000	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	10/10/2023	<20.0	237.0	10.000	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	4/11/2024	<20.0	237.0	10.000	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	10/17/2024	<20.0	237.0	10.000	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	4/10/2025	<5.0	237.0	4.877	2,000	4/23/2018	NA	4/23/2018
MW 3	Zinc	10/21/2025	16.35	237.0	4.807	2,000	4/23/2018	NA	4/23/2018

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

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Annual Water Quality Report
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Permit No. 66-SDP-01-73P

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 6	Arsenic	4/12/2016	<4.0	4.0	2.000	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	10/11/2016	<4.0	4.0	2.000	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	4/20/2017	<4.0	4.0	2.000	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	10/12/2017	<4.0	4.0	2.000	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	4/23/2018	<4.0	4.0	2.000	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	10/12/2018	<4.0	4.0	2.000	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	4/16/2019	<4.0	4.0	2.000	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	10/17/2019	<4.0	4.0	2.000	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	4/9/2020	<4.0	4.0	2.000	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	10/8/2020	<4.0	4.0	2.000	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	4/15/2021	<4.0	4.0	2.000	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	10/28/2021	<4.0	4.0	2.000	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	4/13/2022	<4.0	4.0	2.000	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	10/19/2022	**8.1**	4.0	0.000	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	4/6/2023	**5.3**	4.5	0.886	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	10/10/2023	<4.0	4.5	0.886	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	4/11/2024	<4.0	4.5	1.800	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	10/17/2024	**17.7**	4.5	0.286	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	4/10/2025	**4.9**	4.5	0.000	10.0	10/19/2022	NA	10/11/2016
MW 6	Arsenic	10/21/2025	3.2	4.5	0.659	10.0	10/19/2022	NA	10/11/2016

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Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 6	Cobalt	4/12/2016	**2.3**	0.80	---	2.8	4/12/2016	NA	10/11/2016
MW 6	Cobalt	10/11/2016	**1.1**	0.80	0.410	2.8	4/12/2016	NA	10/11/2016
MW 6	Cobalt	4/20/2017	**2.0**	0.80	0.211	2.8	4/12/2016	NA	10/11/2016
MW 6	Cobalt	10/12/2017	<0.8	0.80	0.099	2.8	4/12/2016	NA	10/11/2016
MW 6	Cobalt	4/23/2018	<0.8	0.80	0.546	2.8	4/12/2016	NA	10/11/2016
MW 6	Cobalt	10/12/2018	<0.8	0.80	2.000	2.8	4/12/2016	NA	10/11/2016
MW 6	Cobalt	4/16/2019	**0.8**	0.80	0.994	2.1	4/12/2016	NA	10/11/2016
MW 6	Cobalt	10/17/2019	<0.8	0.80	0.994	2.1	4/12/2016	NA	10/11/2016
MW 6	Cobalt	4/9/2020	**1.9**	3.40	0.987	**3.4**	4/12/2016	NA	10/11/2016
MW 6	Cobalt	10/8/2020	**1.0**	3.40	0.704	**3.4**	4/12/2016	NA	10/11/2016
MW 6	Cobalt	4/15/2021	<0.4	3.40	1.154	**3.4**	4/12/2016	NA	10/11/2016
MW 6	Cobalt	10/28/2021	**1.0**	3.40	0.828	**3.4**	4/12/2016	NA	10/11/2016
MW 6	Cobalt	4/13/2022	**1.1**	3.40	0.704	**3.4**	4/12/2016	NA	10/11/2016
MW 6	Cobalt	10/19/2022	**4.6**	3.40	0.201	**3.4**	4/12/2016	NA	10/11/2016
MW 6	Cobalt	4/6/2023	**0.7**	3.50	0.000	**3.5**	4/12/2016	NA	10/11/2016
MW 6	Cobalt	10/10/2023	**0.5**	3.50	0.000	**3.5**	4/12/2016	NA	10/11/2016
MW 6	Cobalt	4/11/2024	<0.4	3.50	0.000	**3.5**	4/12/2016	NA	10/11/2016
MW 6	Cobalt	10/17/2024	**5.1**	3.50	0.000	**3.5**	4/12/2016	NA	10/11/2016
MW 6	Cobalt	4/10/2025	0.8	3.50	0.000	**3.5**	4/12/2016	NA	10/11/2016
MW 6	Cobalt	10/21/2025	0.6	3.50	0.000	**3.5**	4/12/2016	NA	10/11/2016

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Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 6	Zinc	4/12/2016	<8.0	16.10	0.000	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	10/11/2016	<8.0	16.10	0.000	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	4/20/2017	<8.0	16.10	4.000	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	10/12/2017	**28.8**	16.10	0.000	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	4/23/2018	**10.1**	16.10	0.000	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	10/12/2018	**32.0**	16.10	2.526	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	4/16/2019	**24.8**	16.10	12.543	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	10/17/2019	**22.0**	29.90	11.503	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	4/9/2020	**28.0**	237.00	21.642	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	10/8/2020	<20.0	237.00	7.055	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	4/15/2021	<20.0	237.00	9.706	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	10/28/2021	<20.0	237.00	6.706	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	4/13/2022	<20.0	237.00	10.000	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	10/19/2022	<20.0	237.00	10.000	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	4/6/2023	<20.0	237.00	10.000	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	10/10/2023	**27.4**	237.00	6.816	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	4/11/2024	<20.0	237.00	6.816	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	10/17/2024	**25.4**	237.00	9.970	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	4/10/2025	**11.2**	237.00	10.557	2,000.00	10/12/2017	NA	10/11/2016
MW 6	Zinc	10/21/2025	**24.3**	237.00	10.577	2,000.00	10/12/2017	NA	10/11/2016

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 6	Bis (2-ethylhexyl)phthalate	4/12/2016	---	6.00	---	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	10/11/2016	---	6.00	---	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	4/20/2017	<6.0	6.00	---	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	10/12/2017	---	6.00	---	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	4/23/2018	**6.0**	6.00	---	6.00	4/23/2018	7/5/2018	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	7/5/2018	**8.0**	6.00	---	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	10/12/2018	<6.0	6.00	2.085	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	4/16/2019	<6.0	6.00	2.085	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	10/17/2019	**10.0**	6.00	1.814	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	4/9/2020	<6.0	6.00	1.814	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	10/8/2020	<6.0	6.00	1.814	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	4/15/2021	<6.0	6.00	1.814	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	10/28/2021	<6.0	6.00	3.000	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	4/13/2022	<6.0	6.00	3.000	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	10/19/2022	NT	6.00	3.000	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	4/6/2023	**7.0**	6.00	1.647	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	10/10/2023	<6.0	6.00	1.647	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	4/11/2024	NT	6.00	1.647	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	10/17/2024	NT	6.00	1.647	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	4/10/2025	NT	6.00	1.647	6.00	4/23/2018	NA	10/11/2016
MW 6	Bis (2-ethylhexyl)phthalate	10/21/2025	NT	6.00	1.647	6.00	4/23/2018	NA	10/11/2016

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FMC 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 Initial Exceedance	Resamples Due	5th Background Sample
MW 7	Nickel	4/12/2016	<4.0	4.00	---	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	10/11/2016	8.1	4.00	0.898	100	10/11/2016	1/17/2017	10/11/2016
MW 7	Nickel	1/17/2017	12.5	4.00	0.130	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	4/20/2017	<4.0	4.00	0.130	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	10/12/2017	<4.0	4.00	0.130	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	4/23/2018	<4.0	4.00	0.000	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	10/12/2018	<4.0	4.00	2.000	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	4/16/2019	<4.0	4.00	2.000	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	10/17/2019	<4.0	4.00	2.000	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	4/9/2020	<4.0	4.00	2.000	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	10/8/2020	4.0	9.50	1.324	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	4/15/2021	<4.0	9.50	1.324	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	10/28/2021	<4.0	9.50	1.324	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	4/13/2022	4.8	9.50	1.324	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	10/19/2022	10.3	9.50	0.173	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	4/6/2023	<4.0	9.80	0.173	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	10/10/2023	<4.0	9.80	0.173	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	4/11/2024	<4.0	9.80	0.481	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	10/17/2024	4.0	9.80	1.634	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	4/10/2025	<5.0	9.80	1.324	100	10/11/2016	NA	10/11/2016
MW 7	Nickel	10/21/2025	6.2	9.80	2.042	100	10/11/2016	NA	10/11/2016

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

KEY:	SSI	SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 7	Zinc	4/12/2016	<8.0	16.10	4.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	10/11/2016	<8.0	16.10	4.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	4/20/2017	30.7	16.10	0.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	10/12/2017	<8.0	16.10	0.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	4/23/2018	<8.0	16.10	0.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	10/12/2018	41.5	16.10	0.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	4/16/2019	24.4	16.10	0.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	10/17/2019	<20.0	29.90	0.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	4/9/2020	<20.0	237.00	0.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	10/8/2020	<20.0	237.00	0.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	4/15/2021	<20.0	237.00	10.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	10/28/2021	<20.0	237.00	10.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	4/13/2022	<20.0	237.00	10.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	10/19/2022	<20.0	237.00	10.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	4/6/2023	<20.0	237.00	10.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	10/10/2023	<20.0	237.00	10.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	4/11/2024	<20.0	237.00	10.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	10/17/2024	<20.0	237.00	10.000	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	4/10/2025	11.2	237.00	9.780	2,000.00	4/20/2017	NA	10/11/2016
MW 7	Zinc	10/21/2025	5.8	237.00	7.199	2,000.00	4/20/2017	NA	10/11/2016

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Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

KEY:	SSI	SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-11	Zinc	4/12/2016	<8.0	16.10	4.000	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	10/11/2016	<8.0	16.10	4.000	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	4/20/2017	<20.0	16.10	4.000	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	10/12/2017	<8.0	16.10	4.000	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	4/23/2018	<8.0	16.10	4.000	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	10/12/2018	49.1	16.10	0.000	2,000.00	10/12/2018	1/23/2019	10/11/2016
MW-11	Zinc	1/23/2019	99.8	16.10	0.000	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	4/16/2019	22.5	16.10	0.000	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	10/17/2019	28.8	29.90	8.815	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	4/9/2020	<20	237.00	0.000	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	10/8/2020	<20	237.00	6.774	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	4/15/2021	<20	237.00	6.559	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	10/28/2021	<20	237.00	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	4/13/2022	<20	237.00	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	10/19/2022	<20	237.00	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	4/6/2023	<20	237.00	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	10/10/2023	<20	237.00	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	4/11/2024	<20	237.00	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	10/17/2024	<20	237.00	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	4/10/2025	7.9	237.00	8.566	2,000.00	10/12/2018	NA	10/11/2016
MW-11	Zinc	10/21/2025	6.1	237.00	6.871	2,000.00	10/12/2018	NA	10/11/2016

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Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-12	Copper	4/12/2016	<4.0	7.0	2.000	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	10/11/2016	<4.0	7.0	2.000	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	4/20/2017	<4.0	7.0	2.000	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	10/12/2017	<4.0	7.0	2.000	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	4/23/2018	<4.0	7.0	2.000	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	10/12/2018	<4.0	7.0	2.000	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	1/23/2019	<4.0	7.0	2.000	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	4/16/2019	<4.0	7.0	2.000	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	10/17/2019	<4.0	7.0	2.000	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	4/9/2020	<4.0	7.0	2.000	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	10/8/2020	<4.0	7.0	2.000	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	4/15/2021	<4.0	7.0	2.000	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	10/28/2021	<4.0	7.0	2.000	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	4/13/2022	7.7	7.0	0.200	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	10/19/2022	<4.0	7.0	0.200	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	4/6/2023	<4.0	9.6	0.200	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	10/10/2023	<4.0	9.6	0.200	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	4/11/2024	<4.0	12.6	0.200	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	10/17/2024	<4.0	12.6	0.200	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	4/10/2025	<5.0	12.6	0.200	1300	4/13/2022	NA	10/11/2016
MW-12	Copper	10/21/2025	<5.0	12.6	0.200	1300	4/13/2022	NA	10/11/2016

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Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

KEY:	SSI	SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-12	Zinc	4/12/2016	<8.0	16.10	4.000	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	10/11/2016	<8.0	16.10	4.000	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	4/20/2017	<20.0	16.10	4.000	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	10/12/2017	<8.0	16.10	4.000	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	4/23/2018	<8.0	16.10	4.000	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	10/12/2018	17.8	16.10	0.037	2,000.00	10/12/2018	1/23/2019	10/11/2016
MW-12	Zinc	1/23/2019	26.6	16.10	0.037	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	4/16/2019	<20.0	16.10	0.037	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	10/17/2019	<20.0	29.90	0.037	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	4/9/2020	<20.0	237.00	0.000	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	10/8/2020	<20.0	237.00	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	4/15/2021	<20.0	237.00	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	10/28/2021	<20.0	237.00	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	4/13/2022	<20.0	237.00	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	10/19/2022	<20.0	237.00	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	4/6/2023	<20.0	237.00	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	10/10/2023	<20.0	237.00	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	4/11/2024	<20.0	237.00	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	10/17/2024	<20.0	237.00	10.000	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	4/10/2025	<5.0	237.00	4.877	2,000.00	10/12/2018	NA	10/11/2016
MW-12	Zinc	10/21/2025	**7.9**	237.00	4.533	2,000.00	10/12/2018	NA	10/11/2016

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-12	Bis (2-ethylhexyl)phthalate	4/12/2016	---	6.0	---	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	10/11/2016	---	6.0	---	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	4/20/2017	---	6.0	---	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	10/12/2017	---	6.0	---	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	4/23/2018	---	6.0	---	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	10/12/2018	---	6.0	---	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	4/16/2019	16.0	6.0	---	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	10/17/2019	<6.0	6.0	---	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	4/9/2020	16.0	6.0	---	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	10/8/2020	<6.0	6.0	0.671	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	4/15/2021	<6.0	6.0	0.621	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	10/28/2021	<6.0	6.0	0.621	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	4/13/2022	<6.0	6.0	3.000	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	10/19/2022	NT	6.0	3.000	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	4/6/2023	NT	6.0	3.000	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	10/10/2023	NT	6.0	3.000	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	4/11/2024	NT	6.0	3.000	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	10/17/2024	NT	6.0	3.000	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	4/10/2025	<6.0	6.0	3.000	6.0	4/16/2019	NA	10/8/2020
MW-12	Bis (2-ethylhexyl)phthalate	10/21/2025	NT	6.0	3.000	6.0	4/16/2019	NA	10/8/2020

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Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 15	Zinc	4/12/2016	<8.0	16.10	4.000	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	10/11/2016	<8.0	16.10	4.000	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	4/20/2017	30.7	16.10	0.000	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	10/12/2017	<8.0	16.10	0.000	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	4/23/2018	<8.0	16.10	0.000	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	10/12/2018	41.5	16.10	3.552	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	4/16/2019	23.0	16.10	0.000	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	10/17/2019	37.5	29.90	5.053	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	4/9/2020	<20	237.00	5.053	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	10/8/2020	<20	237.00	0.000	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	4/15/2021	<20	237.00	4.967	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	10/28/2021	<20	237.00	10.000	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	4/13/2022	<20	237.00	10.000	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	10/19/2022	<20	237.00	10.000	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	4/6/2023	<20	237.00	10.000	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	10/10/2023	<20	237.00	10.000	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	4/11/2024	<20	237.00	10.000	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	10/17/2024	<20	237.00	10.000	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	4/10/2025	**6.9**	237.00	7.883	2,000.00	4/20/2017	NA	10/11/2016
MW 15	Zinc	10/21/2025	**23.3**	237.00	6.216	2,000.00	4/20/2017	NA	10/11/2016

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Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 15	Bis (2-ethylhexyl)phthalate	4/12/2016	<10	6.00	---	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	10/11/2016	19.0	6.00	2.197	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	4/20/2017	<6.0	6.00	2.197	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	10/12/2017	15.0	6.00	2.627	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	4/23/2018	<6.0	6.00	1.456	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	10/12/2018	6.0	6.00	1.072	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	4/16/2019	7.0	6.00	2.318	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	10/17/2019	7.0	6.00	4.336	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	4/9/2020	<6.0	6.00	4.336	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	10/8/2020	<6.0	6.00	2.283	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	4/15/2021	<6.0	6.00	2.268	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	10/28/2021	<6.0	6.00	3.000	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	4/13/2022	<6.0	6.00	3.000	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	10/19/2022	NT	6.00	3.000	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	4/6/2023	NT	6.00	3.000	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	10/10/2023	NT	6.00	3.000	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	4/11/2024	<6.0	6.00	3.000	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	10/17/2024	NT	6.00	3.000	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	4/10/2025	NT	6.00	3.000	6.00	10/11/2016	NA	10/11/2016
MW 15	Bis (2-ethylhexyl)phthalate	10/21/2025	NT	6.00	3.000	6.00	10/11/2016	NA	10/11/2016

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

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-16	Cobalt	10/17/2019	4.0	0.80	---	2.10	10/17/2019	N/A	10/28/2021
MW-16	Cobalt	4/9/2020	4.2	0.80	---	**3.40**	10/17/2019	N/A	10/28/2021
MW-16	Cobalt	10/8/2020	**1.2**	3.40	---	**3.40**	10/17/2019	N/A	10/28/2021
MW-16	Cobalt	4/15/2021	<0.4	3.40	0.040	**3.40**	10/17/2019	N/A	10/28/2021
MW-16	Cobalt	10/28/2021	<0.4	3.40	0.000	**3.40**	10/17/2019	N/A	10/28/2021
MW-16	Cobalt	4/13/2022	<0.4	3.40	0.000	**3.40**	10/17/2019	N/A	10/28/2021
MW-16	Cobalt	10/19/2022	<2.0	3.40	0.200	**3.40**	10/17/2019	N/A	10/28/2021
MW-16	Cobalt	4/6/2023	<0.4	3.50	0.200	**3.50**	10/17/2019	N/A	10/28/2021
MW-16	Cobalt	10/10/2023	<0.4	3.50	0.200	**3.50**	10/17/2019	N/A	10/28/2021
MW-16	Cobalt	4/11/2024	<0.4	3.50	0.200	**3.50**	10/17/2019	N/A	10/28/2021
MW-16	Cobalt	10/17/2024	<0.4	3.50	0.200	**3.50**	10/17/2019	N/A	10/28/2021
MW-16	Cobalt	4/10/2025	<0.5	3.50	0.200	**3.50**	10/17/2019	N/A	10/28/2021
MW-16	Cobalt	10/21/2025	<0.5	3.50	0.200	**3.50**	10/17/2019	N/A	10/28/2021

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KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-16	Copper	10/17/2019	<4.0	7.00	2.000	1,300	10/19/2022	N/A	10/28/2021
MW-16	Copper	4/9/2020	<4.0	7.00	2.000	1,300	10/19/2022	N/A	10/28/2021
MW-16	Copper	10/8/2020	<4.0	7.00	2.000	1,300	10/19/2022	N/A	10/28/2021
MW-16	Copper	4/15/2021	<4.0	7.00	2.000	1,300	10/19/2022	N/A	10/28/2021
MW-16	Copper	10/28/2021	<4.0	7.00	2.000	1,300	10/19/2022	N/A	10/28/2021
MW-16	Copper	4/13/2022	<4.0	7.00	2.000	1,300	10/19/2022	N/A	10/28/2021
MW-16	Copper	10/19/2022	19.1	7.00	0.000	1,300	10/19/2022	N/A	10/28/2021
MW-16	Copper	4/6/2023	<4.0	9.60	0.000	1,300	10/19/2022	N/A	10/28/2021
MW-16	Copper	10/10/2023	<4.0	9.60	0.000	1,300	10/19/2022	N/A	10/28/2021
MW-16	Copper	4/11/2024	<4.0	12.60	0.000	1,300	10/19/2022	N/A	10/28/2021
MW-16	Copper	10/17/2024	**4.9**	12.60	1.469	1,300	10/19/2022	N/A	10/28/2021
MW-16	Copper	4/10/2025	<5.0	12.60	1.469	1,300	10/19/2022	N/A	10/28/2021
MW-16	Copper	10/21/2025	<5.0	12.60	1.469	1,300	10/19/2022	N/A	10/28/2021

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-16	Nickel	10/17/2019	10.4	4.00	---	100.00	10/17/2019	N/A	10/28/2021
MW-16	Nickel	4/9/2020	6.6	4.00	---	100.00	10/17/2019	N/A	10/28/2021
MW-16	Nickel	10/8/2020	<4.0	9.50	---	100.00	10/17/2019	N/A	10/28/2021
MW-16	Nickel	4/15/2021	<4.0	9.50	1.733	100.00	10/17/2019	N/A	10/28/2021
MW-16	Nickel	10/28/2021	<4.0	9.50	1.158	100.00	10/17/2019	N/A	10/28/2021
MW-16	Nickel	4/13/2022	<4.0	9.50	2.000	100.00	10/17/2019	N/A	10/28/2021
MW-16	Nickel	10/19/2022	<4.0	9.50	2.000	100.00	10/17/2019	N/A	10/28/2021
MW-16	Nickel	4/6/2023	<4.0	9.80	2.000	100.00	10/17/2019	N/A	10/28/2021
MW-16	Nickel	10/10/2023	<4.0	9.80	2.000	100.00	10/17/2019	N/A	10/28/2021
MW-16	Nickel	4/11/2024	<4.0	9.80	2.000	100.00	10/17/2019	N/A	10/28/2021
MW-16	Nickel	10/17/2024	**4.6**	9.80	1.524	100.00	10/17/2019	N/A	10/28/2021
MW-16	Nickel	4/10/2025	<5.0	9.80	1.524	100.00	10/17/2019	N/A	10/28/2021
MW-16	Nickel	10/21/2025	<5.0	9.80	1.524	100.00	10/17/2019	N/A	10/28/2021

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Summary of Ongoing & Newly Identified SSI
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FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-16	Zinc	10/17/2019	42.6	29.90	---	2,000.00	10/17/2019	N/A	10/28/2021
MW-16	Zinc	4/9/2020	<20	237.00	---	2,000.00	10/17/2019	N/A	10/28/2021
MW-16	Zinc	10/8/2020	<20	237.00	---	2,000.00	10/17/2019	N/A	10/28/2021
MW-16	Zinc	4/15/2021	<20	237.00	4.034	2,000.00	10/17/2019	N/A	10/28/2021
MW-16	Zinc	10/28/2021	<20	237.00	10.000	2,000.00	10/17/2019	N/A	10/28/2021
MW-16	Zinc	4/13/2022	<20	237.00	10.000	2,000.00	10/17/2019	N/A	10/28/2021
MW-16	Zinc	10/19/2022	<20	237.00	10.000	2,000.00	10/17/2019	N/A	10/28/2021
MW-16	Zinc	4/6/2023	<20	237.00	10.000	2,000.00	10/17/2019	N/A	10/28/2021
MW-16	Zinc	10/10/2023	<20	237.00	10.000	2,000.00	10/17/2019	N/A	10/28/2021
MW-16	Zinc	4/11/2024	<20	237.00	10.000	2,000.00	10/17/2019	N/A	10/28/2021
MW-16	Zinc	10/17/2024	<20	237.00	10.000	2,000.00	10/17/2019	N/A	10/28/2021
MW-16	Zinc	4/10/2025	<5.0	237.00	4.877	2,000.00	10/17/2019	N/A	10/28/2021
MW-16	Zinc	10/21/2025	**5.3**	237.00	3.743	2,000.00	10/17/2019	N/A	10/28/2021

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-16	Bis (2-ethylhexyl)phthalate	10/17/2019	---	6.00	---	6.00	10/8/2020	N/A	10/19/2022
MW-16	Bis (2-ethylhexyl)phthalate	4/9/2020	---	6.00	---	6.00	10/8/2020	N/A	10/19/2022
MW-16	Bis (2-ethylhexyl)phthalate	10/8/2020	8.0	6.00	---	6.00	10/8/2020	N/A	10/19/2022
MW-16	Bis (2-ethylhexyl)phthalate	12/9/2020	<6	6.00	---	6.00	10/8/2020	12/9/2020	10/19/2022
MW-16	Bis (2-ethylhexyl)phthalate	4/15/2021	---	6.00	---	6.00	10/8/2020	N/A	10/19/2022
MW-16	Bis (2-ethylhexyl)phthalate	10/28/2021	8.0	6.00	---	6.00	10/8/2020	N/A	10/19/2022
MW-16	Bis (2-ethylhexyl)phthalate	4/13/2022	Lab Error	6.00	---	6.00	10/8/2020	N/A	10/19/2022
MW-16	Bis (2-ethylhexyl)phthalate	10/19/2022	19.0	6.00	0.794	6.00	10/8/2020	N/A	10/19/2022
MW-16	Bis (2-ethylhexyl)phthalate	4/6/2023	<6	6.00	0.794	6.00	10/8/2020	N/A	10/19/2022
MW-16	Bis (2-ethylhexyl)phthalate	10/10/2023	NT	6.00	0.794	6.00	10/8/2020	N/A	10/19/2022
MW-16	Bis (2-ethylhexyl)phthalate	4/11/2024	NT	6.00	0.794	6.00	10/8/2020	N/A	10/19/2022
MW-16	Bis (2-ethylhexyl)phthalate	10/17/2024	NT	6.00	0.794	6.00	10/8/2020	N/A	10/19/2022
MW-16	Bis (2-ethylhexyl)phthalate	4/10/2025	NT	6.00	0.794	6.00	10/8/2020	N/A	10/19/2022
MW-16	Bis (2-ethylhexyl)phthalate	10/21/2025	NT	6.00	0.794	6.00	10/8/2020	N/A	10/19/2022

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

Table 8 - Summary of Ongoing and Newly Identified SSL - *Not Required*

Table 9 – Analytical Data Summary

Table 9

Analytical Data Summary for MW-11

Constituents	Units	10/14/2014	4/14/2015	7/21/2015	9/23/2015	4/12/2016	10/11/2016	4/20/2017	10/12/2017
(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	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-11

Constituents	4/23/2018	10/12/2018	1/23/2019	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021
(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	<1	<5	<5	<5	<5
1,2-dibromoethane	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene				<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)	<5	<5		<5	<5	<5	<5	<5	<5
2-chloronaphthalene				<8					
2-chlorophenol				<8					
2-hexanone (mbk)	<5	<5		<5	<5	<5	<5	<5	<5
2-methylnaphthalene				<8					
2-methylphenol				<8					
2-naphthylamine				<8					
2-nitroaniline				<8					
2-nitrophenol				<8					
3,3´-dichlorobenzidine				<8					
3,3'-dimethylbenzidine				<8					
3-methylcholanthrene				<8					
3-nitroaniline				<8					
4,4´-ddd				<.05					
4,4´-dde				<.05					
4,4´-ddt				<.05					
4,6-dinitro-2-methylphenol				<8					
4-aminobiphenyl				<8					
4-bromophenyl phenyl ether				<8					
4-chloro-3-methylphenol				<8					
4-chloroaniline				<8					
4-chlorophenyl phenyl ether				<8					
4-methyl-2-pentanone (mibk)	<5	<5		<5	<5	<5	<5	<5	<5
4-nitroaniline				<8					
4-nitrophenol				<8					
5-nitro-o-toluidine				<8					
7,12-dimethylbenz(a)anthracene				<8					
Acenaphthene				<8					
Acenaphthylene				<8					
Acetone	<10	<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-11

Constituents	4/13/2022	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
(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	<5	<5	<1	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene					<8			
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	<10	<10	<5	<10	<10	<10
2-chloronaphthalene					<8			
2-chlorophenol					<8			
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene					<8			
2-methylphenol					<8			
2-naphthylamine					<8			
2-nitroaniline					<8			
2-nitrophenol					<8			
3,3´-dichlorobenzidine					<8			
3,3'-dimethylbenzidine					<8			
3-methylcholanthrene					<8			
3-nitroaniline					<8			
4,4´-ddd					<.05			
4,4´-dde					<.05			
4,4´-ddt					<.05			
4,6-dinitro-2-methylphenol					<8			
4-aminobiphenyl					<8			
4-bromophenyl phenyl ether					<8			
4-chloro-3-methylphenol					<8			
4-chloroaniline					<8			
4-chlorophenyl phenyl ether					<8			
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline					<8			
4-nitrophenol					<8			
5-nitro-o-toluidine					<8			
7,12-dimethylbenz(a)anthracene					<8			
Acenaphthene					<8			
Acenaphthylene					<8			
Acetone	<10	<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-11

Constituents	Units	10/14/2014	4/14/2015	7/21/2015	9/23/2015	4/12/2016	10/11/2016	4/20/2017	10/12/2017
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	15.4	19.0		20.5	12.9	13.9	17.8	12.6
Benzene	ug/L	<1	<1		<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L	<8							
Benzo(a)pyrene	ug/L	<8							
Benzo(b)fluoranthene	ug/L	<8							
Benzo(g,h,i)perylene	ug/L	<8							
Benzo(k)fluoranthene	ug/L	<8							
Benzyl alcohol	ug/L	<8							
Beryllium, total	ug/L	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L	<.05							
Bis (2-chloroethoxy) methane	ug/L	<8							
Bis(2-chloroethyl) ether	ug/L	<8							
Bis(2-chloroisopropyl) ether	ug/L	<8							
Bis(2-ethylhexyl) phthalate	ug/L	<8							
Bromochloromethane	ug/L	<1	<1		<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1		<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1		<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1		<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L	<8							
Cadmium, total	ug/L	<.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	<8		<8	<8	<8	<8	<8
Chrysene	ug/L	<8							
Cis-1,2-dichloroethylene	ug/L	<1	<1		<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1		<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8		<.8	<.8	<.8	<.8	<.8
Copper, total	ug/L	<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
Dibromomethane	ug/L	<1	<1		<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1							
Dieldrin	ug/L	<.05							
Diethyl phthalate	ug/L	<8	<30	<30	<30	<30	<30		
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-11

Constituents	4/23/2018	10/12/2018	1/23/2019	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021
Antimony, total	<2	<2		<2	<2	<2	<2	<2	<2
Arochlor 1016				<.1					
Arochlor 1221				<.2					
Arochlor 1232				<.2					
Arochlor 1242				<.2					
Arochlor 1248				<.2					
Arochlor 1254				<.1					
Arochlor 1260				<.1					
Arsenic, total	<4	<4		<4	<4	<4	<4	<4	<4
Azobenzene				<8					
Barium, total	17.4	15.2		19.0	18.9	12.1	12.8	12.0	11.5
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-chloroisopropyl) ether				<8					
Bis(2-ethylhexyl) phthalate				<6					
Bromochloromethane	<1	<1		<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1		<1	<1	<1	<1	<1	<1
Bromoform	<1	<1		<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1		<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate				<8					
Cadmium, total	<.8	.8		<.8	<.8	<.8	<.8	<.8	1.2
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	<8		<8	<8	<8	<8	<8	<8
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	<.8	<.8		<.8	<.8	<.4	<.4	<.4	<.4
Copper, total	<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
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-11

Constituents	4/13/2022	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Antimony, total	<2	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016					<.2			
Arochlor 1221					<.2			
Arochlor 1232					<.2			
Arochlor 1242					<.2			
Arochlor 1248					<.2			
Arochlor 1254					<.2			
Arochlor 1260					<.2			
Arsenic, total	<4	<4	<4	<4	<4	<4	<2	<2
Azobenzene					<8			
Barium, total	12.7	14.2	17.4	13.9	16.0	20.9	13.5	13.3
Benzene	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene					<8			
Benzo(a)pyrene					<8			
Benzo(b)fluoranthene					<8			
Benzo(g,h,i)perylene					<8			
Benzo(k)fluoranthene					<8			
Benzyl alcohol					<8			
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Beta-bhc					<.05			
Bis (2-chloroethoxy) methane					<8			
Bis(2-chloroethyl) ether					<8			
Bis(2-chloroisopropyl) ether					<8			
Bis(2-ethylhexyl) phthalate					<6			
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate					<8			
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.2	<.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	<8	<8	<8	<8	<8	<1	<1
Chrysene					<8			
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	.4	<2.0	.6	<.4	<.4	<.4	<.5	<.5
Copper, total	<4	<4	<4	<4	<4	<4	<5	<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			
Hexachlorobenzene					<.05			

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

Table 9

Analytical Data Summary for MW-11

Constituents	Units	10/14/2014	4/14/2015	7/21/2015	9/23/2015	4/12/2016	10/11/2016	4/20/2017	10/12/2017
Hexachlorobutadiene	ug/L	<8							
Hexachlorocyclopentadiene	ug/L	<8							
Hexachloroethane	ug/L	<8							
Hexachloropropene	ug/L	<8							
Indeno(1,2,3-cd)pyrene	ug/L	<8							
Isobutanol	mg/L	<1							
Isodrin	ug/L	<8							
Isophorone	ug/L	<8							
Isosafrole	ug/L	<8							
Kepone	ug/L	<8							
Lead, total	ug/L	<4	<4		<4	<4	<4	<4	<4
Mercury, total	ug/L	<.5							
Methacrylonitrile	ug/L	<1							
Methapyrilene	ug/L	<8							
Methoxychlor	ug/L	<.05							
Methyl iodide	ug/L	<1	<1		<1	<1	<1	<1	<1
Methyl methacrylate	ug/L	<1							
Methyl methanesulfonate	ug/L	<8							
Methyl parathion	ug/L	2.9	<.4	<.4	<.4	<.4	<.4		
Methylene chloride	ug/L	<5	<5		<5	<5	<5	<5	<5
Naphthalene	ug/L	<8							
Nickel, total	ug/L	4.9	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0
Nitrobenzene	ug/L	<8							
N-nitrosodiethylamine	ug/L	<8							
N-nitrosodimethylamine	ug/L	<8							
N-nitrosodi-n-butylamine	ug/L	<8							
N-nitroso-di-n-propylamine	ug/L	<8							
N-nitrosodiphenylamine	ug/L	<8							
N-nitrosomethylethylamine	ug/L	<8							
N-nitrosopiperidine	ug/L	<8							
N-nitrosopyrrolidine	ug/L	<8							
O,o,o-triethyl phosphorothioate	ug/L	<.4							
O-toluidine	ug/L	<8							
Parathion	ug/L	<.4							
P-dimethylaminoazobenzene	ug/L	<8							
Pentachlorobenzene	ug/L	<8							
Pentachloronitrobenzene (pcnb)	ug/L	<8							
Pentachlorophenol	ug/L	<8							
Phenacetin	ug/L	<8							
Phenanthrene	ug/L	<8							
Phenol	ug/L	<8							
Phorate	ug/L	.9	<.4	<.4	<.4	<.4	<.4		
Pronamide	ug/L	<8							
Propionitrile	ug/L	<10							
Pyrene	ug/L	<8							
Safrole	ug/L	<8							
Selenium, total	ug/L	<4	<4		<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4		<4	<4	<4	<4	<4
Solids, total suspended	mg/L	79	3						
Styrene	ug/L	<1	<1		<1	<1	<1	<1	<1
Sulfide, total	mg/L	<.10							
Tetrachloroethylene	ug/L	<1	<1		<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L	.5	<.4	<.4	<.4	<.4	<.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	9.7	<8.0		<20.0	<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-11

Constituents	4/23/2018	10/12/2018	1/23/2019	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021
Hexachlorobutadiene				<8					
Hexachlorocyclopentadiene				<8					
Hexachloroethane				<8					
Hexachloropropene				<8					
Indeno(1,2,3-cd)pyrene				<8					
Isobutanol				<1					
Isodrin				<8					
Isophorone				<8					
Isosafrole				<8					
Kepone				<8					
Lead, total	<4	<4		<4	<4	<4	<4	<4	<4
Mercury, total				<.5					
Methacrylonitrile				<1					
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	<4.0	<4.0		<4.0	<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					
Parathion				<.4					
P-dimethylaminoazobenzene				<8					
Pentachlorobenzene				<8					
Pentachloronitrobenzene (pcnb)				<8					
Pentachlorophenol				<8					
Phenacetin				<8					
Phenanthrene				<8					
Phenol				<8					
Phorate				<.4					
Pronamide				<8					
Propionitrile				<10					
Pyrene				<8					
Safrole				<8					
Selenium, total	<4	<4		<4	<4	<4	<4	<4	<4
Silver, total	<4	<4		<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1		<1	<1	<1	<1	<1	<1
Sulfide, total				<.10					
Tetrachloroethylene	<1	<1		<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin				<.4					
Tin, total				<20					
Toluene	<1	<1		<1	<1	<1	<1	<1	<1
Toxaphene				<.2					
Trans-1,2-dichloroethylene	<1	<1		<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1		<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5		<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1		<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1		<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20		<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5		<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1		<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2		<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	49.1	99.8	22.5	28.8	<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-11

Constituents	4/13/2022	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Hexachlorobutadiene					<8			
Hexachlorocyclopentadiene					<8			
Hexachloroethane					<8			
Hexachloropropene					<8			
Indeno(1,2,3-cd)pyrene					<8			
Isobutanol					<1			
Isodrin					<8			
Isophorone					<8			
Isosafrole					<8			
Kepone					<8			
Lead, total	<4	<4	<4	<4	<4	<4	<1	<1
Mercury, total					<.5			
Methacrylonitrile					<1			
Methapyrilene					<8			
Methoxychlor					<.05			
Methyl iodide	<1	<1	<1	<1	<2	<1	<1	<1
Methyl methacrylate					<1			
Methyl methanesulfonate					<8			
Methyl parathion					<.4			
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene					<8			
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Nitrobenzene					<8			
N-nitrosodiethylamine					<8			
N-nitrosodimethylamine					<8			
N-nitrosodi-n-butylamine					<8			
N-nitroso-di-n-propylamine					<8			
N-nitrosodiphenylamine					<8			
N-nitrosomethylethylamine					<8			
N-nitrosopiperidine					<8			
N-nitrosopyrrolidine					<8			
O,o,o-triethyl phosphorothioate					<.4			
O-toluidine					<8			
Parathion					<.4			
P-dimethylaminoazobenzene					<8			
Pentachlorobenzene					<8			
Pentachloronitrobenzene (pcnb)					<8			
Pentachlorophenol					<8			
Phenacetin					<8			
Phenanthrene					<8			
Phenol					<8			
Phorate					<.4			
Pronamide					<8			
Propionitrile					<10			
Pyrene					<8			
Safrole					<8			
Selenium, total	<4	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended								
Styrene	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total					<.15			
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin					<.4			
Tin, total					<20			
Toluene	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene					<.2			
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	7.9	6.1

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

Table 9

Analytical Data Summary for MW-12

Constituents	Units	10/14/2014	4/13/2015	9/23/2015	4/12/2016	10/11/2016	4/20/2017	10/12/2017	4/23/2018
(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	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-12

Constituents	10/12/2018	1/23/2019	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022
(3 4)-methylphenol			<8		<8				
1,1,1,2-tetrachloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1		<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene			<1		<1				
1,2,3-trichloropropane	<1		<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene			<8		<8				
1,2,4-trichlorobenzene			<1		<1				
1,2-dibromo-3-chloropropane	<1		<1	<1	<1	<5	<5	<5	<5
1,2-dibromoethane	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene			<8		<8				
1,3,5-trinitrobenzene			<8		<8				
1,3-dichlorobenzene			<1		<1				
1,3-dichloropropane			<1		<1				
1,3-dinitrobenzene			<8		<8				
1,4-dichlorobenzene	<1		<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone			<8		<8				
1,4-phenylenediamine			<8		<8				
1-naphthylamine			<8		<8				
2,2-dichloropropane			<1		<1				
2,3,4,6-tetrachlorophenol			<8		<8				
2,4,5-t			<.5		<.7				
2,4,5-tp (silvex)			<.5		<.7				
2,4,5-trichlorophenol			<8		<8				
2,4,6-trichlorophenol			<8		<8				
2,4-d			<2.0		<2.7				
2,4-dichlorophenol			<8		<8				
2,4-dimethylphenol			<8		<8				
2,4-dinitrophenol			<8		<8				
2,4-dinitrotoluene			<8		<8				
2,6-dichlorophenol			<8		<8				
2,6-dinitrotoluene			<8		<8				
2-acetylaminofluorene			<8		<8				
2-butanone (mek)	<5		<5	<5	<5	<5	<5	<5	<10
2-chloronaphthalene			<8		<8				
2-chlorophenol			<8		<8				
2-hexanone (mbk)	<5		<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene			<8		<8				
2-methylphenol			<8		<8				
2-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		<.06				
4,4´-dde			<.05		<.06				
4,4´-ddt			<.05		<.06				
4,6-dinitro-2-methylphenol			<8		<8				
4-aminobiphenyl			<8		<8				
4-bromophenyl phenyl ether			<8		<8				
4-chloro-3-methylphenol			<8		<8				
4-chloroaniline			<8		<8				
4-chlorophenyl phenyl ether			<8		<8				
4-methyl-2-pentanone (mibk)	<5		<5	<5	<5	<5	<5	<5	<5
4-nitroaniline			<8		<8				
4-nitrophenol			<8		<8				
5-nitro-o-toluidine			<8		<8				
7,12-dimethylbenz(a)anthracene			<8		<8				
Acenaphthene			<8		<8				
Acenaphthylene			<8		<8				
Acetone	<10		<10	<10	<10	<10	<10	<10	<10
Acetonitrile			<10		<10				
Acetophenone			<8		<8				
Acrolein			<10		<10				
Acrylonitrile	<5		<5	<5	<5	<5	<5	<5	<5
Aldrin			<.05		<.06				
Allyl chloride			<1		<1				
Alpha-bhc			<.05		<.06				
Anthracene			<8		<8				

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

Table 9

Analytical Data Summary for MW-12

Constituents	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
(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						<2.0	
2,4-dichlorophenol						<8	
2,4-dimethylphenol						<8	
2,4-dinitrophenol						<8	
2,4-dinitrotoluene						<8	
2,6-dichlorophenol						<8	
2,6-dinitrotoluene						<8	
2-acetylaminofluorene						<8	
2-butanone (mek)	<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						<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-12

Constituents	Units	10/14/2014	4/13/2015	9/23/2015	4/12/2016	10/11/2016	4/20/2017	10/12/2017	4/23/2018
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	105.0	111.0	93.2	81.1	101.0	107.0	118.0	110.0
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L								
Benzo(a)pyrene	ug/L								
Benzo(b)fluoranthene	ug/L								
Benzo(g,h,i)perylene	ug/L								
Benzo(k)fluoranthene	ug/L								
Benzyl alcohol	ug/L								
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L								
Bis (2-chloroethoxy) methane	ug/L								
Bis(2-chloroethyl) ether	ug/L								
Bis(2-chloroisopropyl) ether	ug/L								
Bis(2-ethylhexyl) phthalate	ug/L								
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L								
Cadmium, total	ug/L	<.8	<.8	<.8	<.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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L								
Delta-bhc	ug/L								
Diallate	ug/L								
Dibenzo(a,h)anthracene	ug/L								
Dibenzofuran	ug/L								
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L								
Dieldrin	ug/L								
Diethyl phthalate	ug/L								
Dimethoate	ug/L								
Dimethylphthalate	ug/L								
Di-n-butyl phthalate	ug/L								
Di-n-octyl phthalate	ug/L								
Dinoseb	ug/L								
Diphenylamine	ug/L								
Disulfoton	ug/L								
Endosulfan i	ug/L								
Endosulfan ii	ug/L								
Endosulfan sulfate	ug/L								
Endrin	ug/L								
Endrin aldehyde	ug/L								
Ethyl methacrylate	ug/L								
Ethyl methanesulfonate	ug/L								
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L								
Fluoranthene	ug/L								
Fluorene	ug/L								
Gamma-bhc (lindane)	ug/L								
Heptachlor	ug/L								
Heptachlor epoxide	ug/L								
Hexachlorobenzene	ug/L								

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

Table 9

Analytical Data Summary for MW-12

Constituents	10/12/2018	1/23/2019	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022
Antimony, total	<2		<2	<2	<2	<2	<2	<2	<2
Arochlor 1016			<.10		<.13				
Arochlor 1221			<.20		<.26				
Arochlor 1232			<.20		<.26				
Arochlor 1242			<.20		<.26				
Arochlor 1248			<.20		<.26				
Arochlor 1254			<.10		<.13				
Arochlor 1260			<.10		<.13				
Arsenic, total	<4		<4	<4	<4	<4	<4	<4	<4
Azobenzene			<8		<8				
Barium, total	105.0		96.9	123.0	97.0	102.0	98.0	111.0	112.0
Benzene	<1		<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene			<8		<8				
Benzo(a)pyrene			<8		<8				
Benzo(b)fluoranthene			<8		<8				
Benzo(g,h,i)perylene			<8		<8				
Benzo(k)fluoranthene			<8		<8				
Benzyl alcohol			<8		<8				
Beryllium, total	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc			<.05		<.06				
Bis (2-chloroethoxy) methane			<8		<8				
Bis(2-chloroethyl) ether			<8		<8				
Bis(2-chloroisopropyl) ether			<8		<8				
Bis(2-ethylhexyl) phthalate			16	<6	16	<6	<6	<6	<6
Bromochloromethane	<1		<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1		<1	<1	<1	<1	<1	<1	<1
Bromoform	<1		<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1		<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate			<8		<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			<.10		<.13				
Chlorobenzene	<1		<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate			<8		<8				
Chloroethane	<1		<1	<1	<1	<1	<1	<1	<1
Chloroform	<1		<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1		<1	<1	<1	<1	<1	<1	<1
Chloroprene			<1		<1				
Chromium, total	<8.0		<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene			<8		<8				
Cis-1,2-dichloroethylene	<1		<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1		<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8		<.8	<.8	<.4	<.4	<.4	<.4	<.4
Copper, total	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	7.7
Cyanide, total			<.005		<.005				
Delta-bhc			<.05		<.06				
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		<.06				
Diethyl phthalate			<8		<8				
Dimethoate			<.4		<.5				
Dimethylphthalate			<8		<8				
Di-n-butyl phthalate			<8		<8				
Di-n-octyl phthalate			<8		<8				
Dinoseb			<.5		<.7				
Diphenylamine			<8		<8				
Disulfoton			<.4		<.5				
Endosulfan i			<.05		<.06				
Endosulfan ii			<.05		<.06				
Endosulfan sulfate			<.05		<.06				
Endrin			<.05		<.06				
Endrin aldehyde			<.05		<.06				
Ethyl methacrylate			<10		<10				
Ethyl methanesulfonate			<8		<8				
Ethylbenzene	<1		<1	<1	<1	<1	<1	<1	<1
Famphur			<.4		<.5				
Fluoranthene			<8		<8				
Fluorene			<8		<8				
Gamma-bhc (lindane)			<.05		<.06				
Heptachlor			<.05		<.06				
Heptachlor epoxide			<.05		<.06				
Hexachlorobenzene			<.05		<.06				

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

Table 9

Analytical Data Summary for MW-12

Constituents	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Antimony, total	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016						<.20	
Arochlor 1221						<.20	
Arochlor 1232						<.20	
Arochlor 1242						<.20	
Arochlor 1248						<.20	
Arochlor 1254						<.20	
Arochlor 1260						<.20	
Arsenic, total	<4	<4	<4	<4	<4	<2	<2
Azobenzene						<8	
Barium, total	140.0	123.0	137.0	135.0	140.0	136.0	151.0
Benzene	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene						<8	
Benzo(a)pyrene						<8	
Benzo(b)fluoranthene						<8	
Benzo(g,h,i)perylene						<8	
Benzo(k)fluoranthene						<8	
Benzyl alcohol						<8	
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Beta-bhc						<.05	
Bis (2-chloroethoxy) methane						<8	
Bis(2-chloroethyl) ether						<8	
Bis(2-chloroisopropyl) ether						<8	
Bis(2-ethylhexyl) phthalate						<6	
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate						<8	
Cadmium, total	1.4	<.8	<.8	<.8	<.8	<.2	.4
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlordane						<.10	
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate						<8	
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chloroprene						<1	
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<1.0	1.7
Chrysene						<8	
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	2.2	<.4	<.4	<.4	<.4	<.5	<.5
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Cyanide, total						<.010	
Delta-bhc						<.05	
Diallate						<8	
Dibenzo(a,h)anthracene						<8	
Dibenzofuran						<8	
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane						<1	
Dieldrin						<.05	
Diethyl phthalate						<8	
Dimethoate						<.4	
Dimethylphthalate						<8	
Di-n-butyl phthalate						<8	
Di-n-octyl phthalate						<8	
Dinoseb						<.5	
Diphenylamine						<8	
Disulfoton						<.4	
Endosulfan i						<.05	
Endosulfan ii						<.05	
Endosulfan sulfate						<.05	
Endrin						<.05	
Endrin aldehyde						<.05	
Ethyl methacrylate						<10	
Ethyl methanesulfonate						<8	
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Famphur						<.4	
Fluoranthene						<8	
Fluorene						<8	
Gamma-bhc (lindane)						<.05	
Heptachlor						<.05	
Heptachlor epoxide						<.05	
Hexachlorobenzene						<.05	

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

Table 9

Analytical Data Summary for MW-12

Constituents	Units	10/14/2014	4/13/2015	9/23/2015	4/12/2016	10/11/2016	4/20/2017	10/12/2017	4/23/2018
Hexachlorobutadiene	ug/L								
Hexachlorocyclopentadiene	ug/L								
Hexachloroethane	ug/L								
Hexachloropropene	ug/L								
Indeno(1,2,3-cd)pyrene	ug/L								
Isobutanol	mg/L								
Isodrin	ug/L								
Isophorone	ug/L								
Isosafrole	ug/L								
Kepone	ug/L								
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L								
Methacrylonitrile	ug/L								
Methapyrilene	ug/L								
Methoxychlor	ug/L								
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L								
Methyl methanesulfonate	ug/L								
Methyl parathion	ug/L								
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L								
Nickel, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Nitrobenzene	ug/L								
N-nitrosodiethylamine	ug/L								
N-nitrosodimethylamine	ug/L								
N-nitrosodi-n-butylamine	ug/L								
N-nitroso-di-n-propylamine	ug/L								
N-nitrosodiphenylamine	ug/L								
N-nitrosomethylethylamine	ug/L								
N-nitrosopiperidine	ug/L								
N-nitrosopyrrolidine	ug/L								
O,o,o-triethyl phosphorothioate	ug/L								
O-toluidine	ug/L								
Parathion	ug/L								
P-dimethylaminoazobenzene	ug/L								
Pentachlorobenzene	ug/L								
Pentachloronitrobenzene (pcnb)	ug/L								
Pentachlorophenol	ug/L								
Phenacetin	ug/L								
Phenanthrene	ug/L								
Phenol	ug/L								
Phorate	ug/L								
Pronamide	ug/L								
Propionitrile	ug/L								
Pyrene	ug/L								
Safrole	ug/L								
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	58	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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L								
Tin, total	ug/L								
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L								
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<8.0	11.4	<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-12

Constituents	10/12/2018	1/23/2019	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022
Hexachlorobutadiene			<8		<8				
Hexachlorocyclopentadiene			<8		<8				
Hexachloroethane			<8		<8				
Hexachloropropene			<8		<8				
Indeno(1,2,3-cd)pyrene			<8		<8				
Isobutanol			<1		<1				
Isodrin			<8		<8				
Isophorone			<8		<8				
Isosafrole			<8		<8				
Kepone			<8		<8				
Lead, total	<4		<4	<4	<4	<4	<4	<4	<4
Mercury, total			<.5		<.5				
Methacrylonitrile			<1		<1				
Methapyrilene			<8		<8				
Methoxychlor			<.05		<.06				
Methyl iodide	<1		<1	<1	<2	<1	<1	<1	<1
Methyl methacrylate			<1		<1				
Methyl methanesulfonate			<8		<8				
Methyl parathion			<.4		<.5				
Methylene chloride	<5		<5	<5	<5	<5	<5	<5	<5
Naphthalene			<8		<8				
Nickel, total	14.8	<4.0	<4.0	<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		<.5				
O-toluidine			<8		<8				
Parathion			<.4		<.5				
P-dimethylaminoazobenzene			<8		<8				
Pentachlorobenzene			<8		<8				
Pentachloronitrobenzene (pcnb)			<8		<8				
Pentachlorophenol			<8		<8				
Phenacetin			<8		<8				
Phenanthrene			<8		<8				
Phenol			<8		<8				
Phorate			<.4		<.5				
Pronamide			<8		<8				
Propionitrile			<10		<10				
Pyrene			<8		<8				
Safrole			<8		<8				
Selenium, total	<4		<4	<4	<4	<4	<4	<4	<4
Silver, total	<4		<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1		<1	<1	<1	<1	<1	<1	<1
Sulfide, total			<.1		<.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		<.5				
Tin, total			<20		<20				
Toluene	<1		<1	<1	<1	<1	<1	<1	<1
Toxaphene			<.20		<.26				
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	17.8	26.6	<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-12

Constituents	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Hexachlorobutadiene						<8	
Hexachlorocyclopentadiene						<8	
Hexachloroethane						<8	
Hexachloropropene						<8	
Indeno(1,2,3-cd)pyrene						<8	
Isobutanol						<1	
Isodrin						<8	
Isophorone						<8	
Isosafrole						<8	
Kepone						<8	
Lead, total	<4	<4	<4	<4	<4	<1	<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	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Nitrobenzene						<8	
N-nitrosodiethylamine						<8	
N-nitrosodimethylamine						<8	
N-nitrosodi-n-butylamine						<8	
N-nitroso-di-n-propylamine						<8	
N-nitrosodiphenylamine						<8	
N-nitrosomethylethylamine						<8	
N-nitrosopiperidine						<8	
N-nitrosopyrrolidine						<8	
O,o,o-triethyl phosphorothioate						<.4	
O-toluidine						<8	
Parathion						<.4	
P-dimethylaminoazobenzene						<8	
Pentachlorobenzene						<8	
Pentachloronitrobenzene (pcnb)						<8	
Pentachlorophenol						<8	
Phenacetin						<8	
Phenanthrene						<8	
Phenol						<8	
Phorate						<.4	
Pronamide						<8	
Propionitrile						<10	
Pyrene						<8	
Safrole						<8	
Selenium, total	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended							
Styrene	<1	<1	<1	<1	<1	<1	<1
Sulfide, total						<.1	
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin						<.4	
Tin, total						<5	
Toluene	<1	<1	<1	<1	<1	<1	<1
Toxaphene						<.20	
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<5.0	7.9

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

Table 9

Analytical Data Summary for MW-14

Constituents	Units	10/14/2014	1/12/2015	4/13/2015	7/21/2015	9/23/2015	4/12/2016	10/11/2016	4/20/2017
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	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	2.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	184	169	143	141	185	121	125	140
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Selenium, total	ug/L	<4.0	<4.0	5.1	<4.0	<4.0	<4.0	5.5	<4.0
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	31		2					
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<8.0	<8.0	<8.0	<8.0	<20.0	<8.0	<8.0	<20.0

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

Table 9

Analytical Data Summary for MW-14

Constituents	10/12/2017	4/23/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<1	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	11.8	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	170	126	128	114	155	117	137	120	102
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	5.3	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	<.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	<4	<4	<4	<4	<4	<4	<4	<4
Selenium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	<8.0	16.1	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-14

Constituents	4/13/2022	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0
Arsenic, total	<4	<4	<4	<4	<4	<4	<2	<2
Barium, total	107	133	117	140	114	220	113	120
Benzene	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.2	.3
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<1.0	1.1
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.4	<2.0	<.4	<.4	<.4	<.4	<.5	<.5
Copper, total	<4	7	<4	<4	<4	<4	<5	<5
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<1	<1
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4	<4	<4	<4	<4	<4	<5	<5
Selenium, total	<4.0	5.5	<4.0	<4.0	<4.0	<4.0	2.4	2.5
Silver, total	<4	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended								
Styrene	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Toluene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<5.0	<5.0

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

Table 9

Analytical Data Summary for MW-15

Constituents	Units	10/14/2014	4/14/2015	9/23/2015	4/12/2016	10/11/2016	4/20/2017	10/12/2017	4/23/2018
(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	ug/L								
2-naphthylamine	ug/L								
2-nitroaniline	ug/L								
2-nitrophenol	ug/L								
3,3´-dichlorobenzidine	ug/L								
3,3'-dimethylbenzidine	ug/L								
3-methylcholanthrene	ug/L								
3-nitroaniline	ug/L								
4,4´-ddd	ug/L								
4,4´-dde	ug/L								
4,4´-ddt	ug/L								
4,6-dinitro-2-methylphenol	ug/L								
4-aminobiphenyl	ug/L								
4-bromophenyl phenyl ether	ug/L								
4-chloro-3-methylphenol	ug/L								
4-chloroaniline	ug/L								
4-chlorophenyl phenyl ether	ug/L								
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L								
4-nitrophenol	ug/L								
5-nitro-o-toluidine	ug/L								
7,12-dimethylbenz(a)anthracene	ug/L								
Acenaphthene	ug/L								
Acenaphthylene	ug/L								
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.8	<10.0
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-15

Constituents	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022	10/19/2022
(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)		<.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		<8							
2-naphthylamine		<8							
2-nitroaniline		<8							
2-nitrophenol		<8							
3,3´-dichlorobenzidine		<8							
3,3'-dimethylbenzidine		<8							
3-methylcholanthrene		<8							
3-nitroaniline		<8							
4,4´-ddd		<.05							
4,4´-dde		<.05							
4,4´-ddt		<.05							
4,6-dinitro-2-methylphenol		<8							
4-aminobiphenyl		<8							
4-bromophenyl phenyl ether		<8							
4-chloro-3-methylphenol		<8							
4-chloroaniline		<8							
4-chlorophenyl phenyl ether		<8							
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline		<8							
4-nitrophenol		<8							
5-nitro-o-toluidine		<8							
7,12-dimethylbenz(a)anthracene		<8							
Acenaphthene		<8							
Acenaphthylene		<8							
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile		<10							
Acetophenone		<8							
Acrolein		<10							
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin		<.05							
Allyl chloride		<1							
Alpha-bhc		<.05							
Anthracene		<8							

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

Table 9

Analytical Data Summary for MW-15

Constituents	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
(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	<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)	<10	<10	<5	<10	<10	<10
2-chloronaphthalene			<8			
2-chlorophenol			<8			
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
2-methylnaphthalene			<8			
2-methylphenol			<8			
2-naphthylamine			<8			
2-nitroaniline			<8			
2-nitrophenol			<8			
3,3´-dichlorobenzidine			<8			
3,3'-dimethylbenzidine			<8			
3-methylcholanthrene			<8			
3-nitroaniline			<8			
4,4´-ddd			<.05			
4,4´-dde			<.05			
4,4´-ddt			<.05			
4,6-dinitro-2-methylphenol			<8			
4-aminobiphenyl			<8			
4-bromophenyl phenyl ether			<8			
4-chloro-3-methylphenol			<8			
4-chloroaniline			<8			
4-chlorophenyl phenyl ether			<8			
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5
4-nitroaniline			<8			
4-nitrophenol			<8			
5-nitro-o-toluidine			<8			
7,12-dimethylbenz(a)anthracene			<8			
Acenaphthene			<8			
Acenaphthylene			<8			
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile			<10			
Acetophenone			<8			
Acrolein			<10			
Acrylonitrile	<5	<5	<5	<5	<5	<5
Aldrin			<.05			
Allyl chloride			<1			
Alpha-bhc			<.05			
Anthracene			<8			

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

Table 9

Analytical Data Summary for MW-15

Constituents	Units	10/14/2014	4/14/2015	9/23/2015	4/12/2016	10/11/2016	4/20/2017	10/12/2017	4/23/2018
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	27.9	26.9	22.8	20.2	23.1	24.2	21.2	24.7
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L								
Benzo(a)pyrene	ug/L								
Benzo(b)fluoranthene	ug/L								
Benzo(g,h,i)perylene	ug/L								
Benzo(k)fluoranthene	ug/L								
Benzyl alcohol	ug/L								
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L								
Bis (2-chloroethoxy) methane	ug/L								
Bis(2-chloroethyl) ether	ug/L								
Bis(2-chloroisopropyl) ether	ug/L								
Bis(2-ethylhexyl) phthalate	ug/L	<10	11	<10	<10	19	<6	15	<6
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L								
Cadmium, total	ug/L	<.8	<.8	<.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	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L								
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.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								
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-15

Constituents	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022	10/19/2022
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	22.1	23.9	25.5	17.9	19.8	18.0	17.8	19.5	22.4
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene		<8							
Benzo(a)pyrene		<8							
Benzo(b)fluoranthene		<8							
Benzo(g,h,i)perylene		<8							
Benzo(k)fluoranthene		<8							
Benzyl alcohol		<8							
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc		<.05							
Bis (2-chloroethoxy) methane		<8							
Bis(2-chloroethyl) ether		<8							
Bis(2-chloroisopropyl) ether		<8							
Bis(2-ethylhexyl) phthalate	6	7	7	<6	<6	<6	<6	<6	
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate		<8							
Cadmium, total	<.8	<.8	.9	<.8	<.8	<.8	<.8	<.8	2.0
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane		<.1							
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate		<8							
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene		<1							
Chromium, total	<8	<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	<.8	<.4	<.4	<.4	<.4	<.4	<2.0
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-15

Constituents	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Antimony, total	<2	<2	<2	<2	<1	<1
Arochlor 1016			<.2			
Arochlor 1221			<.2			
Arochlor 1232			<.2			
Arochlor 1242			<.2			
Arochlor 1248			<.2			
Arochlor 1254			<.2			
Arochlor 1260			<.2			
Arsenic, total	<4	<4	<4	<4	<2	<2
Azobenzene			<8			
Barium, total	18.0	21.0	18.1	27.9	18.1	19.9
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	<.5	<.5
Beta-bhc			<.05			
Bis (2-chloroethoxy) methane			<8			
Bis(2-chloroethyl) ether			<8			
Bis(2-chloroisopropyl) ether			<8			
Bis(2-ethylhexyl) phthalate			<6			
Bromochloromethane	<1	<1	<1	<1	<1	<1
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	2.4	<.8	<.8	<.2	21.5
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	<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	<.4	<.4	<.4	<.4	<.5	<.5
Copper, total	<4.0	<4.0	<4.0	<4.0	<5.0	9.8
Cyanide, total			<.005			
Delta-bhc			<.05			
Diallate			<8			
Dibenzo(a,h)anthracene			<8			
Dibenzofuran			<8			
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane			<1			
Dieldrin			<.05			
Diethyl phthalate			<8			
Dimethoate			<.4			
Dimethylphthalate			<8			
Di-n-butyl phthalate			<8			
Di-n-octyl phthalate			<8			
Dinoseb			<.5			
Diphenylamine			<8			
Disulfoton			<.4			
Endosulfan i			<.05			
Endosulfan ii			<.05			
Endosulfan sulfate			<.05			
Endrin			<.05			
Endrin aldehyde			<.05			
Ethyl methacrylate			<10			
Ethyl methanesulfonate			<8			
Ethylbenzene	<1	<1	<1	<1	<1	<1
Famphur			<.4			
Fluoranthene			<8			
Fluorene			<8			
Gamma-bhc (lindane)			<.05			
Heptachlor			<.05			
Heptachlor epoxide			<.05			
Hexachlorobenzene			<.05			

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

Table 9

Analytical Data Summary for MW-15

Constituents	Units	10/14/2014	4/14/2015	9/23/2015	4/12/2016	10/11/2016	4/20/2017	10/12/2017	4/23/2018
Hexachlorobutadiene	ug/L								
Hexachlorocyclopentadiene	ug/L								
Hexachloroethane	ug/L								
Hexachloropropene	ug/L								
Indeno(1,2,3-cd)pyrene	ug/L								
Isobutanol	mg/L								
Isodrin	ug/L								
Isophorone	ug/L								
Isosafrole	ug/L								
Kepone	ug/L								
Lead, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Mercury, total	ug/L								
Methacrylonitrile	ug/L								
Methapyrilene	ug/L								
Methoxychlor	ug/L								
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L								
Methyl methanesulfonate	ug/L								
Methyl parathion	ug/L								
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L								
Nickel, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Nitrobenzene	ug/L								
N-nitrosodiethylamine	ug/L								
N-nitrosodimethylamine	ug/L								
N-nitrosodi-n-butylamine	ug/L								
N-nitroso-di-n-propylamine	ug/L								
N-nitrosodiphenylamine	ug/L								
N-nitrosomethylethylamine	ug/L								
N-nitrosopiperidine	ug/L								
N-nitrosopyrrolidine	ug/L								
O,o,o-triethyl phosphorothioate	ug/L								
O-toluidine	ug/L								
Parathion	ug/L								
P-dimethylaminoazobenzene	ug/L								
Pentachlorobenzene	ug/L								
Pentachloronitrobenzene (pcnb)	ug/L								
Pentachlorophenol	ug/L								
Phenacetin	ug/L								
Phenanthrene	ug/L								
Phenol	ug/L								
Phorate	ug/L								
Pronamide	ug/L								
Propionitrile	ug/L								
Pyrene	ug/L								
Safrole	ug/L								
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	47	7						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L								
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L								
Tin, total	ug/L								
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L								
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<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-15

Constituents	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022	10/19/2022
Hexachlorobutadiene		<8							
Hexachlorocyclopentadiene		<8							
Hexachloroethane		<8							
Hexachloropropene		<8							
Indeno(1,2,3-cd)pyrene		<8							
Isobutanol		<1							
Isodrin		<8							
Isophorone		<8							
Isosafrole		<8							
Kepone		<8							
Lead, total	<4.0	<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	<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	<4.0	<4.0	<4.0	<4.0	4.0	<4.0	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							
Parathion		<.4							
P-dimethylaminoazobenzene		<8							
Pentachlorobenzene		<8							
Pentachloronitrobenzene (pcnb)		<8							
Pentachlorophenol		<8							
Phenacetin		<8							
Phenanthrene		<8							
Phenol		<8							
Phorate		<.4							
Pronamide		<8							
Propionitrile		<10							
Pyrene		<8							
Safrole		<8							
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total		<.10							
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	51.7	23.0	37.5	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-15

Constituents	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Hexachlorobutadiene			<8			
Hexachlorocyclopentadiene			<8			
Hexachloroethane			<8			
Hexachloropropene			<8			
Indeno(1,2,3-cd)pyrene			<8			
Isobutanol			<1			
Isodrin			<8			
Isophorone			<8			
Isosafrole			<8			
Kepone			<8			
Lead, total	<4.0	<4.0	<4.0	<4.0	<1.0	1.6
Mercury, total			<.5			
Methacrylonitrile			<1			
Methapyrilene			<8			
Methoxychlor			<.05			
Methyl iodide	<1	<1	<2	<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	9.5	<4.0	<4.0	<5.0	16.5
Nitrobenzene			<8			
N-nitrosodiethylamine			<8			
N-nitrosodimethylamine			<8			
N-nitrosodi-n-butylamine			<8			
N-nitroso-di-n-propylamine			<8			
N-nitrosodiphenylamine			<8			
N-nitrosomethylethylamine			<8			
N-nitrosopiperidine			<8			
N-nitrosopyrrolidine			<8			
O,o,o-triethyl phosphorothioate			<.4			
O-toluidine			<8			
Parathion			<.4			
P-dimethylaminoazobenzene			<8			
Pentachlorobenzene			<8			
Pentachloronitrobenzene (pcnb)			<8			
Pentachlorophenol			<8			
Phenacetin			<8			
Phenanthrene			<8			
Phenol			<8			
Phorate			<.4			
Pronamide			<8			
Propionitrile			<10			
Pyrene			<8			
Safrole			<8			
Selenium, total	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<5	<5
Solids, total suspended						
Styrene	<1	<1	<1	<1	<1	<1
Sulfide, total			<.15			
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<.5	<.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	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	6.9	23.3

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

Table 9

Analytical Data Summary for MW-16

Constituents	Units	10/17/2019	4/9/2020	10/8/2020	12/9/2020	4/15/2021	10/28/2021	4/13/2022	10/19/2022
(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	<5	<1		<5	<1	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1		<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1		<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1		<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1		<1	<1	<1	<1
1,2-dinitrobenzene	ug/L			<8			<8		
1,3,5-trinitrobenzene	ug/L			<8			<8		
1,3-dichlorobenzene	ug/L			<1			<1		
1,3-dichloropropane	ug/L			<1			<1		
1,3-dinitrobenzene	ug/L			<8			<8		
1,4-dichlorobenzene	ug/L	<1	<1	<1		<1	<1	<1	<1
1,4-naphthoquinone	ug/L			<8			<8		
1,4-phenylenediamine	ug/L			<8			<8		
1-naphthylamine	ug/L			<8			<8		
2,2-dichloropropane	ug/L			<1			<1		
2,3,4,6-tetrachlorophenol	ug/L			<8			<8		
2,4,5-t	ug/L			<.5			<.5		
2,4,5-tp (silvex)	ug/L			<.5			<.5		
2,4,5-trichlorophenol	ug/L			<8			<8		
2,4,6-trichlorophenol	ug/L			<8			<8		
2,4-d	ug/L			<2			<2		
2,4-dichlorophenol	ug/L			<8			<8		
2,4-dimethylphenol	ug/L			<8			<8		
2,4-dinitrophenol	ug/L			<8			<8		
2,4-dinitrotoluene	ug/L			<8			<8		
2,6-dichlorophenol	ug/L			<8			<8		
2,6-dinitrotoluene	ug/L			<8			<8		
2-acetylaminofluorene	ug/L			<8			<8		
2-butanone (mek)	ug/L	<5	<5	<5		<5	<5	<10	<10
2-chloronaphthalene	ug/L			<8			<8		
2-chlorophenol	ug/L			<8			<8		
2-hexanone (mbk)	ug/L	<5	<5	<5		<5	<5	<5	<5
2-methylnaphthalene	ug/L			<8			<8		
2-methylphenol	ug/L			<8			<8		
2-naphthylamine	ug/L			<8			<8		
2-nitroaniline	ug/L			<8			<8		
2-nitrophenol	ug/L			<8			<8		
3,3´-dichlorobenzidine	ug/L			<8			<8		
3,3'-dimethylbenzidine	ug/L			<8			<8		
3-methylcholanthrene	ug/L			<8			<8		
3-nitroaniline	ug/L			<8			<8		
4,4´-ddd	ug/L			<.05			<.05		
4,4´-dde	ug/L			<.05			<.05		
4,4´-ddt	ug/L			<.05			<.05		
4,6-dinitro-2-methylphenol	ug/L			<8			<8		
4-aminobiphenyl	ug/L			<8			<8		
4-bromophenyl phenyl ether	ug/L			<8			<8		
4-chloro-3-methylphenol	ug/L			<8			<8		
4-chloroaniline	ug/L			<8			<8		
4-chlorophenyl phenyl ether	ug/L			<8			<8		
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5		<5	<5	<5	<5
4-nitroaniline	ug/L			<8			<8		
4-nitrophenol	ug/L			<8			<8		
5-nitro-o-toluidine	ug/L			<8			<8		
7,12-dimethylbenz(a)anthracene	ug/L			<8			<8		
Acenaphthene	ug/L			<8			<8		
Acenaphthylene	ug/L			<8			<8		
Acetone	ug/L	<10	<10	<10		<10	<10	<10	<10
Acetonitrile	ug/L			<10			<10		
Acetophenone	ug/L			<8			<8		
Acrolein	ug/L			<10			<10		
Acrylonitrile	ug/L	<5	<5	<5		<5	<5	<5	<5
Aldrin	ug/L			<.05			<.05		
Allyl chloride	ug/L			<1			<1		
Alpha-bhc	ug/L			<.05			<.05		
Anthracene	ug/L			<8			<8		

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

Table 9

Analytical Data Summary for MW-16

Constituents	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
(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						
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-16

Constituents	Units	10/17/2019	4/9/2020	10/8/2020	12/9/2020	4/15/2021	10/28/2021	4/13/2022	10/19/2022
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	47.6	45.7	44.2		39.6	42.0	37.6	42.9
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-chloroisopropyl) ether	ug/L			<8			<8		
Bis(2-ethylhexyl) phthalate	ug/L			8	<6		6		19
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	<8	<8		<8	<8	<8	<8
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	4.0	4.2	1.2		<.4	<.4	<.4	<2.0
Copper, total	ug/L	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	19.1
Cyanide, total	mg/L			<.005			<.005		
Delta-bhc	ug/L			<.05			<.05		
Diallate	ug/L			<8			<8		
Dibenzo(a,h)anthracene	ug/L			<8			<8		
Dibenzofuran	ug/L			<8			<8		
Dibromochloromethane	ug/L	<1	<1	<1		<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1		<1	<1	<1	<1
Dichlorodifluoromethane	ug/L			<1			<1		
Dieldrin	ug/L			<.05			<.05		
Diethyl phthalate	ug/L			<8			<8		
Dimethoate	ug/L			<.4			<.4		
Dimethylphthalate	ug/L			<8			<8		
Di-n-butyl phthalate	ug/L			<8			<8		
Di-n-octyl phthalate	ug/L			<8			<8		
Dinoseb	ug/L			<.5			<.5		
Diphenylamine	ug/L			<8			<8		
Disulfoton	ug/L			<.4			<.4		
Endosulfan i	ug/L			<.05			<.05		
Endosulfan ii	ug/L			<.05			<.05		
Endosulfan sulfate	ug/L			<.05			<.05		
Endrin	ug/L			<.05			<.05		
Endrin aldehyde	ug/L			<.05			<.05		
Ethyl methacrylate	ug/L			<10			<10		
Ethyl methanesulfonate	ug/L			<8			<8		
Ethylbenzene	ug/L	<1	<1	<1		<1	<1	<1	<1
Famphur	ug/L			<.4			<.4		
Fluoranthene	ug/L			<8			<8		
Fluorene	ug/L			<8			<8		
Gamma-bhc (lindane)	ug/L			<.05			<.05		
Heptachlor	ug/L			<.05			<.05		
Heptachlor epoxide	ug/L			<.05			<.05		
Hexachlorobenzene	ug/L			<.05			<.05		

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

Table 9

Analytical Data Summary for MW-16

Constituents	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Antimony, total	<2	<2	<2	<2	<1	<1
Arochlor 1016						
Arochlor 1221						
Arochlor 1232						
Arochlor 1242						
Arochlor 1248						
Arochlor 1254						
Arochlor 1260						
Arsenic, total	<4	<4	<4	<4	<2	<2
Azobenzene						
Barium, total	38.0	39.0	39.1	43.2	35.5	41.6
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	<.5
Beta-bhc						
Bis (2-chloroethoxy) methane						
Bis(2-chloroethyl) ether						
Bis(2-chloroisopropyl) ether						
Bis(2-ethylhexyl) phthalate	<6					
Bromochloromethane	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate						
Cadmium, total	<.8	<.8	<.8	<.8	<.2	.3
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chlordane						
Chlorobenzene	<1	<1	<1	<1	<1	<1
Chlorobenzilate						
Chloroethane	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chloroprene						
Chromium, total	<8	<8	<8	<8	<1	<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	<.4	<.4	<.4	<.5	<.5
Copper, total	<4.0	<4.0	<4.0	4.9	<5.0	<5.0
Cyanide, total						
Delta-bhc						
Diallate						
Dibenzo(a,h)anthracene						
Dibenzofuran						
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane						
Dieldrin						
Diethyl phthalate						
Dimethoate						
Dimethylphthalate						
Di-n-butyl phthalate						
Di-n-octyl phthalate						
Dinoseb						
Diphenylamine						
Disulfoton						
Endosulfan i						
Endosulfan ii						
Endosulfan sulfate						
Endrin						
Endrin aldehyde						
Ethyl methacrylate						
Ethyl methanesulfonate						
Ethylbenzene	<1	<1	<1	<1	<1	<1
Famphur						
Fluoranthene						
Fluorene						
Gamma-bhc (lindane)						
Heptachlor						
Heptachlor epoxide						
Hexachlorobenzene						

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

Table 9

Analytical Data Summary for MW-16

Constituents	Units	10/17/2019	4/9/2020	10/8/2020	12/9/2020	4/15/2021	10/28/2021	4/13/2022	10/19/2022
Hexachlorobutadiene	ug/L			<8			<8		
Hexachlorocyclopentadiene	ug/L			<8			<8		
Hexachloroethane	ug/L			<8			<8		
Hexachloropropene	ug/L			<8			<8		
Indeno(1,2,3-cd)pyrene	ug/L			<8			<8		
Isobutanol	mg/L			<1			<1		
Isodrin	ug/L			<8			<8		
Isophorone	ug/L			<8			<8		
Isosafrole	ug/L			<8			<8		
Kepone	ug/L			<8			<8		
Lead, total	ug/L	<4	<4	<4		<4	<4	<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	<2	<1	<1
Methyl methacrylate	ug/L			<1			<1		
Methyl methanesulfonate	ug/L			<8			<8		
Methyl parathion	ug/L			<.4			<.4		
Methylene chloride	ug/L	<5	<5	<5		<5	<5	<5	<5
Naphthalene	ug/L			<8			<8		
Nickel, total	ug/L	10.4	6.6	<4.0		<4.0	<4.0	<4.0	<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		
Parathion	ug/L			<.4			<.4		
P-dimethylaminoazobenzene	ug/L			<8			<8		
Pentachlorobenzene	ug/L			<8			<8		
Pentachloronitrobenzene (pcnb)	ug/L			<8			<8		
Pentachlorophenol	ug/L			<8			<8		
Phenacetin	ug/L			<8			<8		
Phenanthrene	ug/L			<8			<8		
Phenol	ug/L			<8			<8		
Phorate	ug/L			<.4			<.4		
Pronamide	ug/L			<8			<8		
Propionitrile	ug/L			<10			<10		
Pyrene	ug/L			<8			<8		
Safrole	ug/L			<8			<8		
Selenium, total	ug/L	20.6	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0
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	<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
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	42.6	<20.0	<20.0		221.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-16

Constituents	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Hexachlorobutadiene						
Hexachlorocyclopentadiene						
Hexachloroethane						
Hexachloropropene						
Indeno(1,2,3-cd)pyrene						
Isobutanol						
Isodrin						
Isophorone						
Isosafrole						
Kepone						
Lead, total	<4	<4	<4	<4	<1	<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	<4.0	<4.0	<4.0	4.6	<5.0	<5.0
Nitrobenzene						
N-nitrosodiethylamine						
N-nitrosodimethylamine						
N-nitrosodi-n-butylamine						
N-nitroso-di-n-propylamine						
N-nitrosodiphenylamine						
N-nitrosomethylethylamine						
N-nitrosopiperidine						
N-nitrosopyrrolidine						
O,o,o-triethyl phosphorothioate						
O-toluidine						
Parathion						
P-dimethylaminoazobenzene						
Pentachlorobenzene						
Pentachloronitrobenzene (pcnb)						
Pentachlorophenol						
Phenacetin						
Phenanthrene						
Phenol						
Phorate						
Pronamide						
Propionitrile						
Pyrene						
Safrole						
Selenium, total	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0
Silver, total	<4	<4	<4	<4	<5	<5
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	<.5
Thionazin						
Tin, total						
Toluene	<1	<1	<1	<1	<1	<1
Toxaphene						
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<5.0	5.3

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

Table 9

Analytical Data Summary for MW-2

Constituents	Units	10/14/2014	4/14/2015	9/22/2015	4/12/2016	6/14/2016	10/11/2016	4/20/2017	10/12/2017
(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						<1		<1
1,3-dinitrobenzene	ug/L						<8		<8
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1		<1	<1	<1
1,4-naphthoquinone	ug/L						<8		<8
1,4-phenylenediamine	ug/L						<8		<8
1-naphthylamine	ug/L						<8		<8
2,2-dichloropropane	ug/L						<1		<1
2,3,4,6-tetrachlorophenol	ug/L						<8		<8
2,4,5-t	ug/L						<.5		<.5
2,4,5-tp (silvex)	ug/L						<.5		<.5
2,4,5-trichlorophenol	ug/L						<8		<8
2,4,6-trichlorophenol	ug/L						<8		<8
2,4-d	ug/L						<2		<2
2,4-dichlorophenol	ug/L						<8		<8
2,4-dimethylphenol	ug/L						<8		<8
2,4-dinitrophenol	ug/L						<8		<8
2,4-dinitrotoluene	ug/L						<8		<8
2,6-dichlorophenol	ug/L						<8		<8
2,6-dinitrotoluene	ug/L						<8		<8
2-acetylaminofluorene	ug/L						<8		<8
2-butanone (mek)	ug/L	<5	<5	<5	<5		<5	<5	<5
2-chloronaphthalene	ug/L						<8		<8
2-chlorophenol	ug/L						<8		<8
2-hexanone (mbk)	ug/L	<5	<5	<5	<5		<5	<5	<5
2-methylnaphthalene	ug/L						<8		<8
2-methylphenol	ug/L						<8		<8
2-naphthylamine	ug/L						<8		<8
2-nitroaniline	ug/L						<8		<8
2-nitrophenol	ug/L						<8		<8
3,3´-dichlorobenzidine	ug/L						<8		<8
3,3'-dimethylbenzidine	ug/L						<8		<8
3-methylcholanthrene	ug/L						<8		<8
3-nitroaniline	ug/L						<8		<8
4,4´-ddd	ug/L						<.05		<.05
4,4´-dde	ug/L						<.05		<.05
4,4´-ddt	ug/L						<.05		<.05
4,6-dinitro-2-methylphenol	ug/L						<8		<8
4-aminobiphenyl	ug/L						<8		<8
4-bromophenyl phenyl ether	ug/L						<8		<8
4-chloro-3-methylphenol	ug/L						<8		<8
4-chloroaniline	ug/L						<8		<8
4-chlorophenyl phenyl ether	ug/L						<8		<8
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5		<5	<5	<5
4-nitroaniline	ug/L						<8		<8
4-nitrophenol	ug/L						<8		<8
5-nitro-o-toluidine	ug/L						<8		<8
7,12-dimethylbenz(a)anthracene	ug/L						<8		<8
Acenaphthene	ug/L						<8		<8
Acenaphthylene	ug/L						<8		<8
Acetone	ug/L	<10	<10	<10	<10		<10	<10	<10
Acetonitrile	ug/L						<10		<10
Acetophenone	ug/L						<8		<8
Acrolein	ug/L						<10		<10
Acrylonitrile	ug/L	<5	<5	<5	<5		<5	<5	<5
Aldrin	ug/L						<.05		<.05
Allyl chloride	ug/L						<1		<1
Alpha-bhc	ug/L						<.05		<.05
Anthracene	ug/L						<8		<8

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

Table 9

Analytical Data Summary for MW-2

Constituents	4/23/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022
(3 4)-methylphenol									
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene									
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene									
1,2,4-trichlorobenzene									
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene									
1,3,5-trinitrobenzene									
1,3-dichlorobenzene									
1,3-dichloropropane									
1,3-dinitrobenzene									
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone									
1,4-phenylenediamine									
1-naphthylamine									
2,2-dichloropropane									
2,3,4,6-tetrachlorophenol									
2,4,5-t									
2,4,5-tp (silvex)									
2,4,5-trichlorophenol									
2,4,6-trichlorophenol									
2,4-d									
2,4-dichlorophenol									
2,4-dimethylphenol									
2,4-dinitrophenol									
2,4-dinitrotoluene									
2,6-dichlorophenol									
2,6-dinitrotoluene									
2-acetylaminofluorene									
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-chloronaphthalene									
2-chlorophenol									
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene									
2-methylphenol									
2-naphthylamine									
2-nitroaniline									
2-nitrophenol									
3,3´-dichlorobenzidine									
3,3'-dimethylbenzidine									
3-methylcholanthrene									
3-nitroaniline									
4,4´-ddd									
4,4´-dde									
4,4´-ddt									
4,6-dinitro-2-methylphenol									
4-aminobiphenyl									
4-bromophenyl phenyl ether									
4-chloro-3-methylphenol									
4-chloroaniline									
4-chlorophenyl phenyl ether									
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline									
4-nitrophenol									
5-nitro-o-toluidine									
7,12-dimethylbenz(a)anthracene									
Acenaphthene									
Acenaphthylene									
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin									
Allyl chloride									
Alpha-bhc									
Anthracene									

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

Table 9

Analytical Data Summary for MW-2

Constituents	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
(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	<1	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	<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)	<5	<10	<10	<10	<10	<10	<10
2-chloronaphthalene	<8						
2-chlorophenol	<8						
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	<8						
2-methylphenol	<8						
2-naphthylamine	<8						
2-nitroaniline	<8						
2-nitrophenol	<8						
3,3´-dichlorobenzidine	<8						
3,3'-dimethylbenzidine	<8						
3-methylcholanthrene	<8						
3-nitroaniline	<8						
4,4´-ddd	<.05						
4,4´-dde	<.05						
4,4´-ddt	<.05						
4,6-dinitro-2-methylphenol	<8						
4-aminobiphenyl	<8						
4-bromophenyl phenyl ether	<8						
4-chloro-3-methylphenol	<8						
4-chloroaniline	<8						
4-chlorophenyl phenyl ether	<8						
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	<8						
4-nitrophenol	<8						
5-nitro-o-toluidine	<8						
7,12-dimethylbenz(a)anthracene	<8						
Acenaphthene	<8						
Acenaphthylene	<8						
Acetone	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	<10						
Acetophenone	<8						
Acrolein	<10						
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Aldrin	<.05						
Allyl chloride	<1						
Alpha-bhc	<.05						
Anthracene	<8						

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

Table 9

Analytical Data Summary for MW-2

Constituents	Units	10/14/2014	4/14/2015	9/22/2015	4/12/2016	6/14/2016	10/11/2016	4/20/2017	10/12/2017
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	<4.0	<4.0	<4.0	12.5	6.5	<4.0	9.4	5.0
Azobenzene	ug/L						<8		<8
Barium, total	ug/L	35.4	40.5	45.3	35.2		69.5	60.2	53.2
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-chloroisopropyl) ether	ug/L						<8		<8
Bis(2-ethylhexyl) phthalate	ug/L						<8		35
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	<8	<8	<8		<8	<8	<8
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	<.8	1.3	4.3	1.5		2.6	3.9	5.5
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
Hexachlorobenzene	ug/L						<.05		<.05

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

Table 9

Analytical Data Summary for MW-2

Constituents	4/23/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016									
Arochlor 1221									
Arochlor 1232									
Arochlor 1242									
Arochlor 1248									
Arochlor 1254									
Arochlor 1260									
Arsenic, total	4.7	<4.0	4.3	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene									
Barium, total	43.7	42.6	60.9	51.2	37.9	43.5	37.1	34.4	31.1
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene									
Benzo(a)pyrene									
Benzo(b)fluoranthene									
Benzo(g,h,i)perylene									
Benzo(k)fluoranthene									
Benzyl alcohol									
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc									
Bis (2-chloroethoxy) methane									
Bis(2-chloroethyl) ether									
Bis(2-chloroisopropyl) ether									
Bis(2-ethylhexyl) phthalate	<6	<6	<6	25	<6	<6	<6	12	11
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	2.7	<.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	<8	<8	<8	<8	<8	<8	<8	<8
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	3.3	2.4	3.0	.8	5.8	4.2	5.1	1.7	4.4
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Cyanide, total									
Delta-bhc									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethylphthalate									
Di-n-butyl phthalate									
Di-n-octyl phthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan i									
Endosulfan ii									
Endosulfan sulfate									
Endrin									
Endrin aldehyde									
Ethyl methacrylate									
Ethyl methanesulfonate									
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur									
Fluoranthene									
Fluorene									
Gamma-bhc (lindane)									
Heptachlor									
Heptachlor epoxide									
Hexachlorobenzene									

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

Table 9

Analytical Data Summary for MW-2

Constituents	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Antimony, total	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016	<.1						
Arochlor 1221	<.2						
Arochlor 1232	<.2						
Arochlor 1242	<.2						
Arochlor 1248	<.2						
Arochlor 1254	<.1						
Arochlor 1260	<.1						
Arsenic, total	4.1	4.1	<4.0	4.3	<4.0	<2.0	2.7
Azobenzene	<8						
Barium, total	45.0	33.2	36.7	33.9	45.1	24.5	35.1
Benzene	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	<8						
Benzo(a)pyrene	<8						
Benzo(b)fluoranthene	<8						
Benzo(g,h,i)perylene	<8						
Benzo(k)fluoranthene	<8						
Benzyl alcohol	<8						
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Beta-bhc	<.05						
Bis (2-chloroethoxy) methane	<8						
Bis(2-chloroethyl) ether	<8						
Bis(2-chloroisopropyl) ether	<8						
Bis(2-ethylhexyl) phthalate	<6						
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	<8						
Cadmium, total	<.8	<.8	<.8	<.8	<.8	.3	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlordane	<.1						
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	<8						
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chloroprene	<1						
Chromium, total	<8	<8	<8	<8	<8	<1	<1
Chrysene	<8						
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	4.0	2.8	1.8	2.3	2.3	.9	2.1
Copper, total	<4	<4	<4	<4	<4	<5	<5
Cyanide, total	<.005						
Delta-bhc	<.05						
Diallate	<8						
Dibenzo(a,h)anthracene	<8						
Dibenzofuran	<8						
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	<1						
Dieldrin	<.05						
Diethyl phthalate	<8						
Dimethoate	<.4						
Dimethylphthalate	<8						
Di-n-butyl phthalate	<8						
Di-n-octyl phthalate	<8						
Dinoseb	<.5						
Diphenylamine	<8						
Disulfoton	<.4						
Endosulfan i	<.05						
Endosulfan ii	<.05						
Endosulfan sulfate	<.05						
Endrin	<.05						
Endrin aldehyde	<.05						
Ethyl methacrylate	<10						
Ethyl methanesulfonate	<8						
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Famphur	<.4						
Fluoranthene	<8						
Fluorene	<8						
Gamma-bhc (lindane)	<.05						
Heptachlor	<.05						
Heptachlor epoxide	<.05						
Hexachlorobenzene	<.05						

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

Table 9

Analytical Data Summary for MW-2

Constituents	Units	10/14/2014	4/14/2015	9/22/2015	4/12/2016	6/14/2016	10/11/2016	4/20/2017	10/12/2017
Hexachlorobutadiene	ug/L						<8		<8
Hexachlorocyclopentadiene	ug/L						<8		<8
Hexachloroethane	ug/L						<8		<8
Hexachloropropene	ug/L						<8		<8
Indeno(1,2,3-cd)pyrene	ug/L						<8		<8
Isobutanol	mg/L						<1		<1
Isodrin	ug/L						<8		<8
Isophorone	ug/L						<8		<8
Isosafrole	ug/L						<8		<8
Kepone	ug/L						<8		<8
Lead, total	ug/L	<4	<4	<4	<4		<4	<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	<4.0	<4.0	5.0	<4.0		4.4	4.7	4.2
Nitrobenzene	ug/L						<8		<8
N-nitrosodiethylamine	ug/L						<8		<8
N-nitrosodimethylamine	ug/L						<8		<8
N-nitrosodi-n-butylamine	ug/L						<8		<8
N-nitroso-di-n-propylamine	ug/L						<8		<8
N-nitrosodiphenylamine	ug/L						<8		<8
N-nitrosomethylethylamine	ug/L						<8		<8
N-nitrosopiperidine	ug/L						<8		<8
N-nitrosopyrrolidine	ug/L						<8		<8
O,o,o-triethyl phosphorothioate	ug/L						<.4		<.4
O-toluidine	ug/L						<8		<8
Parathion	ug/L						<.4		<.4
P-dimethylaminoazobenzene	ug/L						<8		<8
Pentachlorobenzene	ug/L						<8		<8
Pentachloronitrobenzene (pcnb)	ug/L						<8		<8
Pentachlorophenol	ug/L						<8		<8
Phenacetin	ug/L						<8		<8
Phenanthrene	ug/L						<8		<8
Phenol	ug/L						<8		<8
Phorate	ug/L						<.4		<.4
Pronamide	ug/L						<8		<8
Propionitrile	ug/L						<10		<10
Pyrene	ug/L						<8		<8
Safrole	ug/L						<8		<8
Selenium, total	ug/L	<4	<4	<4	<4		<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4		<4	<4	<4
Solids, total suspended	mg/L	194	17						
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		<4.0	<4.0	<4.0
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	8.5	9.3	<8.0	<8.0		8.3	<20.0	9.5

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

Table 9

Analytical Data Summary for MW-2

Constituents	4/23/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<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	5.7	4.5	4.4	<4.0	<4.0	<4.0	<4.0	<4.0
Nitrobenzene									
N-nitrosodiethylamine									
N-nitrosodimethylamine									
N-nitrosodi-n-butylamine									
N-nitroso-di-n-propylamine									
N-nitrosodiphenylamine									
N-nitrosomethylethylamine									
N-nitrosopiperidine									
N-nitrosopyrrolidine									
O,o,o-triethyl phosphorothioate									
O-toluidine									
Parathion									
P-dimethylaminoazobenzene									
Pentachlorobenzene									
Pentachloronitrobenzene (pcnb)									
Pentachlorophenol									
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total									
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin									
Tin, total									
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene									
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<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	9.0	25.3	42.3	30.6	<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-2

Constituents	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Hexachlorobutadiene	<8						
Hexachlorocyclopentadiene	<8						
Hexachloroethane	<8						
Hexachloropropene	<8						
Indeno(1,2,3-cd)pyrene	<8						
Isobutanol	<1						
Isodrin	<8						
Isophorone	<8						
Isosafrole	<8						
Kepone	<8						
Lead, total	<4	<4	<4	<4	<4	<1	<1
Mercury, total	<.5						
Methacrylonitrile	<1						
Methapyrilene	<8						
Methoxychlor	<.05						
Methyl iodide	<2	<1	<1	<1	<1	<1	<1
Methyl methacrylate	<1						
Methyl methanesulfonate	<8						
Methyl parathion	<.4						
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Naphthalene	<8						
Nickel, total	4.6	<4.0	<4.0	<4.0	4.9	<5.0	<5.0
Nitrobenzene	<8						
N-nitrosodiethylamine	<8						
N-nitrosodimethylamine	<8						
N-nitrosodi-n-butylamine	<8						
N-nitroso-di-n-propylamine	<8						
N-nitrosodiphenylamine	<8						
N-nitrosomethylethylamine	<8						
N-nitrosopiperidine	<8						
N-nitrosopyrrolidine	<8						
O,o,o-triethyl phosphorothioate	<.4						
O-toluidine	<8						
Parathion	<.4						
P-dimethylaminoazobenzene	<8						
Pentachlorobenzene	<8						
Pentachloronitrobenzene (pcnb)	<8						
Pentachlorophenol	<8						
Phenacetin	<8						
Phenanthrene	<8						
Phenol	<8						
Phorate	<.4						
Pronamide	<8						
Propionitrile	<10						
Pyrene	<8						
Safrole	<8						
Selenium, total	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended							
Styrene	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	<.1						
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin	<.4						
Tin, total	<20						
Toluene	<1	<1	<1	<1	<1	<1	<1
Toxaphene	<.2						
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	8.6	5.4

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

Table 9

Analytical Data Summary for MW-3

Constituents	Units	10/14/2014	4/13/2015	9/23/2015	4/12/2016	10/11/2016	4/20/2017	10/12/2017	4/23/2018
(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	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-3

Constituents	7/5/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022
(3 4)-methylphenol		<8		<8					
1,1,1,2-tetrachloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene		<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene		<1		<1					
1,2,3-trichloropropane		<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene		<8		<8					
1,2,4-trichlorobenzene		<1		<1					
1,2-dibromo-3-chloropropane		<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene		<8		<8					
1,3,5-trinitrobenzene		<8		<8					
1,3-dichlorobenzene		<1		<1					
1,3-dichloropropane		<1		<1					
1,3-dinitrobenzene		<8		<8					
1,4-dichlorobenzene		<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone		<8		<8					
1,4-phenylenediamine		<8		<8					
1-naphthylamine		<8		<8					
2,2-dichloropropane		<1		<1					
2,3,4,6-tetrachlorophenol		<8		<8					
2,4,5-t		<.5		<.5					
2,4,5-tp (silvex)		<.5		<.5					
2,4,5-trichlorophenol		<8		<8					
2,4,6-trichlorophenol		<8		<8					
2,4-d		<2		<2					
2,4-dichlorophenol		<8		<8					
2,4-dimethylphenol		<8		<8					
2,4-dinitrophenol		<8		<8					
2,4-dinitrotoluene		<8		<8					
2,6-dichlorophenol		<8		<8					
2,6-dinitrotoluene		<8		<8					
2-acetylaminofluorene		<8		<8					
2-butanone (mek)		<5	<5	<5	<5	<5	<5	<5	<10
2-chloronaphthalene		<8		<8					
2-chlorophenol		<8		<8					
2-hexanone (mbk)		<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene		<8		<8					
2-methylphenol		<8		<8					
2-naphthylamine		<8		<8					
2-nitroaniline		<8		<8					
2-nitrophenol		<8		<8					
3,3´-dichlorobenzidine		<8		<8					
3,3'-dimethylbenzidine		<8		<8					
3-methylcholanthrene		<8		<8					
3-nitroaniline		<8		<8					
4,4´-ddd		<.05		<.05					
4,4´-dde		<.05		<.05					
4,4´-ddt		<.05		<.05					
4,6-dinitro-2-methylphenol		<8		<8					
4-aminobiphenyl		<8		<8					
4-bromophenyl phenyl ether		<8		<8					
4-chloro-3-methylphenol		<8		<8					
4-chloroaniline		<8		<8					
4-chlorophenyl phenyl ether		<8		<8					
4-methyl-2-pentanone (mibk)		<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline		<8		<8					
4-nitrophenol		<8		<8					
5-nitro-o-toluidine		<8		<8					
7,12-dimethylbenz(a)anthracene		<8		<8					
Acenaphthene		<8		<8					
Acenaphthylene		<8		<8					
Acetone		<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile		<10		<10					
Acetophenone		<8		<8					
Acrolein		<10		<10					
Acrylonitrile		<5	<5	<5	<5	<5	<5	<5	<5
Aldrin		<.05		<.05					
Allyl chloride		<1		<1					
Alpha-bhc		<.05		<.05					
Anthracene		<8		<8					

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

Table 9

Analytical Data Summary for MW-3

Constituents	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
(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	<1	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene					<8		
1,3,5-trinitrobenzene					<8		
1,3-dichlorobenzene					<1		
1,3-dichloropropane					<1		
1,3-dinitrobenzene					<8		
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone					<8		
1,4-phenylenediamine					<8		
1-naphthylamine					<8		
2,2-dichloropropane					<1		
2,3,4,6-tetrachlorophenol					<8		
2,4,5-t					<.5		
2,4,5-tp (silvex)					<.5		
2,4,5-trichlorophenol					<8		
2,4,6-trichlorophenol					<8		
2,4-d					<2		
2,4-dichlorophenol					<8		
2,4-dimethylphenol					<8		
2,4-dinitrophenol					<8		
2,4-dinitrotoluene					<8		
2,6-dichlorophenol					<8		
2,6-dinitrotoluene					<8		
2-acetylaminofluorene					<8		
2-butanone (mek)	<10	<10	<10	<10	<5	<10	<10
2-chloronaphthalene					<8		
2-chlorophenol					<8		
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene					<8		
2-methylphenol					<8		
2-naphthylamine					<8		
2-nitroaniline					<8		
2-nitrophenol					<8		
3,3´-dichlorobenzidine					<8		
3,3'-dimethylbenzidine					<8		
3-methylcholanthrene					<8		
3-nitroaniline					<8		
4,4´-ddd					<.05		
4,4´-dde					<.05		
4,4´-ddt					<.05		
4,6-dinitro-2-methylphenol					<8		
4-aminobiphenyl					<8		
4-bromophenyl phenyl ether					<8		
4-chloro-3-methylphenol					<8		
4-chloroaniline					<8		
4-chlorophenyl phenyl ether					<8		
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline					<8		
4-nitrophenol					<8		
5-nitro-o-toluidine					<8		
7,12-dimethylbenz(a)anthracene					<8		
Acenaphthene					<8		
Acenaphthylene					<8		
Acetone	<10	<10	<10	<10	<10	<10	<10
Acetonitrile					<10		
Acetophenone					<8		
Acrolein					<10		
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Aldrin					<.05		
Allyl chloride					<1		
Alpha-bhc					<.05		
Anthracene					<8		

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

Table 9

Analytical Data Summary for MW-3

Constituents	Units	10/14/2014	4/13/2015	9/23/2015	4/12/2016	10/11/2016	4/20/2017	10/12/2017	4/23/2018
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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene	ug/L								
Barium, total	ug/L	94.1	90.2	92.3	37.9	80.9	39.6	94.8	55.7
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L								
Benzo(a)pyrene	ug/L								
Benzo(b)fluoranthene	ug/L								
Benzo(g,h,i)perylene	ug/L								
Benzo(k)fluoranthene	ug/L								
Benzyl alcohol	ug/L								
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L								
Bis (2-chloroethoxy) methane	ug/L								
Bis(2-chloroethyl) ether	ug/L								
Bis(2-chloroisopropyl) ether	ug/L								
Bis(2-ethylhexyl) phthalate	ug/L								
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L								
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<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	<4	<4	<4	<4	<4
Cyanide, total	mg/L								
Delta-bhc	ug/L								
Diallate	ug/L								
Dibenzo(a,h)anthracene	ug/L								
Dibenzofuran	ug/L								
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L								
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-3

Constituents	7/5/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022
Antimony, total		<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016		<.1		<.1					
Arochlor 1221		<.2		<.2					
Arochlor 1232		<.2		<.2					
Arochlor 1242		<.2		<.2					
Arochlor 1248		<.2		<.2					
Arochlor 1254		<.1		<.1					
Arochlor 1260		<.1		<.1					
Arsenic, total		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene		<8		<8					
Barium, total		76.9	68.4	93.3	53.2	99.8	82.1	88.6	69.5
Benzene		<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene		<8		<8					
Benzo(a)pyrene		<8		<8					
Benzo(b)fluoranthene		<8		<8					
Benzo(g,h,i)perylene		<8		<8					
Benzo(k)fluoranthene		<8		<8					
Benzyl alcohol		<8		<8					
Beryllium, total		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc		<.05		<.05					
Bis (2-chloroethoxy) methane		<8		<8					
Bis(2-chloroethyl) ether		<8		<8					
Bis(2-chloroisopropyl) ether		<8		<8					
Bis(2-ethylhexyl) phthalate		<6		6					
Bromochloromethane		<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane		<1	<1	<1	<1	<1	<1	<1	<1
Bromoform		<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane		<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate		<8		<8					
Cadmium, total		<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide		<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride		<1	<1	<1	<1	<1	<1	<1	<1
Chlordane		<.1		<.1					
Chlorobenzene		<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate		<8		<8					
Chloroethane		<1	<1	<1	<1	<1	<1	<1	<1
Chloroform		<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane		<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene		<1		<1					
Chromium, total		<8.0	<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
Cis-1,3-dichloropropene		<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total		<.8	<.8	<.8	<.4	<.4	<.4	<.4	<.4
Copper, total		<4	<4	<4	<4	<4	<4	<4	<4
Cyanide, total		<.005		<.005					
Delta-bhc		<.05		<.05					
Diallate		<8		<8					
Dibenzo(a,h)anthracene		<8		<8					
Dibenzofuran		<8		<8					
Dibromochloromethane		<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane		<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane		<1		<1					
Dieldrin		<.05		<.05					
Diethyl phthalate		<8		<8					
Dimethoate		<.4		<.4					
Dimethylphthalate		<8		<8					
Di-n-butyl phthalate		<8		<8					
Di-n-octyl phthalate		<8		<8					
Dinoseb		<.5		<.5					
Diphenylamine		<8		<8					
Disulfoton		<.4		<.4					
Endosulfan i		<.05		<.05					
Endosulfan ii		<.05		<.05					
Endosulfan sulfate		<.05		<.05					
Endrin		<.05		<.05					
Endrin aldehyde		<.05		<.05					
Ethyl methacrylate		<10		<10					
Ethyl methanesulfonate		<8		<8					
Ethylbenzene		<1	<1	<1	<1	<1	<1	<1	<1
Famphur		<.4		<.4					
Fluoranthene		<8		<8					
Fluorene		<8		<8					
Gamma-bhc (lindane)		<.05		<.05					
Heptachlor		<.05		<.05					
Heptachlor epoxide		<.05		<.05					
Hexachlorobenzene		<.05		<.05					

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

Table 9

Analytical Data Summary for MW-3

Constituents	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Antimony, total	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016					<.2		
Arochlor 1221					<.2		
Arochlor 1232					<.2		
Arochlor 1242					<.2		
Arochlor 1248					<.2		
Arochlor 1254					<.2		
Arochlor 1260					<.2		
Arsenic, total	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0	2.1
Azobenzene					<8		
Barium, total	110.0	84.3	104.0	96.4	113.0	242.0	261.0
Benzene	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene					<8		
Benzo(a)pyrene					<8		
Benzo(b)fluoranthene					<8		
Benzo(g,h,i)perylene					<8		
Benzo(k)fluoranthene					<8		
Benzyl alcohol					<8		
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Beta-bhc					<.05		
Bis (2-chloroethoxy) methane					<8		
Bis(2-chloroethyl) ether					<8		
Bis(2-chloroisopropyl) ether					<8		
Bis(2-ethylhexyl) phthalate					<6		
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate					<8		
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.2	.4
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlordane					<.1		
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate					<8		
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chloroprene					<1		
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<1.0	1.4
Chrysene					<8		
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<2.0	<.4	<.4	<.4	<.4	20.5	4.9
Copper, total	<4	<4	<4	<4	<4	<5	<5
Cyanide, total					<.010		
Delta-bhc					<.05		
Diallate					<8		
Dibenzo(a,h)anthracene					<8		
Dibenzofuran					<8		
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane					<1		
Dieldrin					<.05		
Diethyl phthalate					<8		
Dimethoate					<.4		
Dimethylphthalate					<8		
Di-n-butyl phthalate					<8		
Di-n-octyl phthalate					<8		
Dinoseb					<.5		
Diphenylamine					<8		
Disulfoton					<.4		
Endosulfan i					<.05		
Endosulfan ii					<.05		
Endosulfan sulfate					<.05		
Endrin					<.05		
Endrin aldehyde					<.05		
Ethyl methacrylate					<10		
Ethyl methanesulfonate					<8		
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Famphur					<.4		
Fluoranthene					<8		
Fluorene					<8		
Gamma-bhc (lindane)					<.05		
Heptachlor					<.05		
Heptachlor epoxide					<.05		
Hexachlorobenzene					<.05		

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

Table 9

Analytical Data Summary for MW-3

Constituents	Units	10/14/2014	4/13/2015	9/23/2015	4/12/2016	10/11/2016	4/20/2017	10/12/2017	4/23/2018
Hexachlorobutadiene	ug/L								
Hexachlorocyclopentadiene	ug/L								
Hexachloroethane	ug/L								
Hexachloropropene	ug/L								
Indeno(1,2,3-cd)pyrene	ug/L								
Isobutanol	mg/L								
Isodrin	ug/L								
Isophorone	ug/L								
Isosafrole	ug/L								
Kepone	ug/L								
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L								
Methacrylonitrile	ug/L								
Methapyrilene	ug/L								
Methoxychlor	ug/L								
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L								
Methyl methanesulfonate	ug/L								
Methyl parathion	ug/L								
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L								
Nickel, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Nitrobenzene	ug/L								
N-nitrosodiethylamine	ug/L								
N-nitrosodimethylamine	ug/L								
N-nitrosodi-n-butylamine	ug/L								
N-nitroso-di-n-propylamine	ug/L								
N-nitrosodiphenylamine	ug/L								
N-nitrosomethylethylamine	ug/L								
N-nitrosopiperidine	ug/L								
N-nitrosopyrrolidine	ug/L								
O,o,o-triethyl phosphorothioate	ug/L								
O-toluidine	ug/L								
Parathion	ug/L								
P-dimethylaminoazobenzene	ug/L								
Pentachlorobenzene	ug/L								
Pentachloronitrobenzene (pcnb)	ug/L								
Pentachlorophenol	ug/L								
Phenacetin	ug/L								
Phenanthrene	ug/L								
Phenol	ug/L								
Phorate	ug/L								
Pronamide	ug/L								
Propionitrile	ug/L								
Pyrene	ug/L								
Safrole	ug/L								
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	36	5						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L								
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L								
Tin, total	ug/L								
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L								
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<8.0	14.0	<8.0	<8.0	<8.0	<20.0	<8.0	22.7

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

Table 9

Analytical Data Summary for MW-3

Constituents	7/5/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022
Hexachlorobutadiene		<8		<8					
Hexachlorocyclopentadiene		<8		<8					
Hexachloroethane		<8		<8					
Hexachloropropene		<8		<8					
Indeno(1,2,3-cd)pyrene		<8		<8					
Isobutanol		<1		<1					
Isodrin		<8		<8					
Isophorone		<8		<8					
Isosafrole		<8		<8					
Kepone		<8		<8					
Lead, total		<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total		<.5		<.5					
Methacrylonitrile		<1		<1					
Methapyrilene		<8		<8					
Methoxychlor		<.05		<.05					
Methyl iodide		<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
Naphthalene		<8		<8					
Nickel, total		<4.0	<4.0	<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					
Parathion		<.4		<.4					
P-dimethylaminoazobenzene		<8		<8					
Pentachlorobenzene		<8		<8					
Pentachloronitrobenzene (pcnb)		<8		<8					
Pentachlorophenol		<8		<8					
Phenacetin		<8		<8					
Phenanthrene		<8		<8					
Phenol		<8		<8					
Phorate		<.4		<.4					
Pronamide		<8		<8					
Propionitrile		<10		<10					
Pyrene		<8		<8					
Safrole		<8		<8					
Selenium, total		<4	<4	<4	<4	<4	<4	<4	<4
Silver, total		<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene		<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total		<.1		<.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		<.4					
Tin, total		<20		<20					
Toluene		<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene		<.2		<.2					
Trans-1,2-dichloroethylene		<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene		<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene		<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene		<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane		<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total		<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate		<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride		<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total		<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	152.0	29.8	20.6	26.3	<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-3

Constituents	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Hexachlorobutadiene					<8		
Hexachlorocyclopentadiene					<8		
Hexachloroethane					<8		
Hexachloropropene					<8		
Indeno(1,2,3-cd)pyrene					<8		
Isobutanol					<1		
Isodrin					<8		
Isophorone					<8		
Isosafrole					<8		
Kepone					<8		
Lead, total	<4	<4	<4	<4	<4	<1	<1
Mercury, total					<.5		
Methacrylonitrile					<1		
Methapyrilene					<8		
Methoxychlor					<.05		
Methyl iodide	<1	<1	<1	<1	<2	<1	<1
Methyl methacrylate					<1		
Methyl methanesulfonate					<8		
Methyl parathion					<.4		
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Naphthalene					<8		
Nickel, total	<4.0	<4.0	<4.0	<4.0	4.4	40.4	13.0
Nitrobenzene					<8		
N-nitrosodiethylamine					<8		
N-nitrosodimethylamine					<8		
N-nitrosodi-n-butylamine					<8		
N-nitroso-di-n-propylamine					<8		
N-nitrosodiphenylamine					<8		
N-nitrosomethylethylamine					<8		
N-nitrosopiperidine					<8		
N-nitrosopyrrolidine					<8		
O,o,o-triethyl phosphorothioate					<.4		
O-toluidine					<8		
Parathion					<.4		
P-dimethylaminoazobenzene					<8		
Pentachlorobenzene					<8		
Pentachloronitrobenzene (pcnb)					<8		
Pentachlorophenol					<8		
Phenacetin					<8		
Phenanthrene					<8		
Phenol					<8		
Phorate					<.4		
Pronamide					<8		
Propionitrile					<10		
Pyrene					<8		
Safrole					<8		
Selenium, total	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended							
Styrene	<1	<1	<1	<1	<1	<1	<1
Sulfide, total					<.1		
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin					<.4		
Tin, total					<20		
Toluene	<1	<1	<1	<1	<1	<1	<1
Toxaphene					<.2		
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<5.0	16.5

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

Table 9

Analytical Data Summary for MW-4

Constituents	Units	10/14/2014	1/12/2015	4/13/2015	9/23/2015	4/12/2016	10/11/2016	1/17/2017	4/20/2017
(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-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	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
Anthracene	ug/L								<8

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

Table 9

Analytical Data Summary for MW-4

Constituents	10/12/2017	4/23/2018	7/5/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021
(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	<1	<1	<5	<5	<5
1,2-dibromoethane	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene		<8							
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)	<5	<5		<5	<5	<5	<5	<5	<5
2-chloronaphthalene		<8							
2-chlorophenol		<8							
2-hexanone (mbk)	<5	<5		<5	<5	<5	<5	<5	<5
2-methylnaphthalene		<8							
2-methylphenol		<8							
2-naphthylamine		<8							
2-nitroaniline		<8							
2-nitrophenol		<8							
3,3´-dichlorobenzidine		<8							
3,3'-dimethylbenzidine		<8							
3-methylcholanthrene		<8							
3-nitroaniline		<8							
4,4´-ddd		<.05							
4,4´-dde		<.05							
4,4´-ddt		<.05							
4,6-dinitro-2-methylphenol		<8							
4-aminobiphenyl		<8							
4-bromophenyl phenyl ether		<8							
4-chloro-3-methylphenol		<8							
4-chloroaniline		<8							
4-chlorophenyl phenyl ether		<8							
4-methyl-2-pentanone (mibk)	<5	<5		<5	<5	<5	<5	<5	<5
4-nitroaniline		<8							
4-nitrophenol		<8							
5-nitro-o-toluidine		<8							
7,12-dimethylbenz(a)anthracene		<8							
Acenaphthene		<8							
Acenaphthylene		<8							
Acetone	<10	<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-4

Constituents	10/28/2021	4/13/2022	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
(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	<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
1,2-dinitrobenzene									
1,3,5-trinitrobenzene									
1,3-dichlorobenzene									
1,3-dichloropropane									
1,3-dinitrobenzene									
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone									
1,4-phenylenediamine									
1-naphthylamine									
2,2-dichloropropane									
2,3,4,6-tetrachlorophenol									
2,4,5-t									
2,4,5-tp (silvex)									
2,4,5-trichlorophenol									
2,4,6-trichlorophenol									
2,4-d									
2,4-dichlorophenol									
2,4-dimethylphenol									
2,4-dinitrophenol									
2,4-dinitrotoluene									
2,6-dichlorophenol									
2,6-dinitrotoluene									
2-acetylaminofluorene									
2-butanone (mek)	<5	<10	<10	<10	<10	<10	<10	<10	<10
2-chloronaphthalene									
2-chlorophenol									
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene									
2-methylphenol									
2-naphthylamine									
2-nitroaniline									
2-nitrophenol									
3,3´-dichlorobenzidine									
3,3'-dimethylbenzidine									
3-methylcholanthrene									
3-nitroaniline									
4,4´-ddd									
4,4´-dde									
4,4´-ddt									
4,6-dinitro-2-methylphenol									
4-aminobiphenyl									
4-bromophenyl phenyl ether									
4-chloro-3-methylphenol									
4-chloroaniline									
4-chlorophenyl phenyl ether									
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline									
4-nitrophenol									
5-nitro-o-toluidine									
7,12-dimethylbenz(a)anthracene									
Acenaphthene									
Acenaphthylene									
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin									
Allyl chloride									
Alpha-bhc									
Anthracene									

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

Table 9

Analytical Data Summary for MW-4

Constituents	Units	10/14/2014	1/12/2015	4/13/2015	9/23/2015	4/12/2016	10/11/2016	1/17/2017	4/20/2017
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	<4.0		<4.0	<4.0	<4.0	<4.0		<4.0
Azobenzene	ug/L								<8
Barium, total	ug/L	141.0		103.0	92.5	66.2	77.7		128.0
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-chloroisopropyl) ether	ug/L								<8
Bis(2-ethylhexyl) phthalate	ug/L								<6
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		9.1
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	2.1		<.8	<.8	<.8	<.8		3.3
Copper, total	ug/L	6.1		<4.0	<4.0	<4.0	<4.0		5.5
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
Hexachlorobenzene	ug/L								<.05

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

Table 9

Analytical Data Summary for MW-4

Constituents	10/12/2017	4/23/2018	7/5/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021
Antimony, total	<2	<2		<2	<2	<2	<2	<2	<2
Arochlor 1016		<.1							
Arochlor 1221		<.2							
Arochlor 1232		<.2							
Arochlor 1242		<.2							
Arochlor 1248		<.2							
Arochlor 1254		<.1							
Arochlor 1260		<.1							
Arsenic, total	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene		<8							
Barium, total	83.8	116.0		111.0	71.2	137.0	65.3	75.2	49.6
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-chloroisopropyl) ether		<8							
Bis(2-ethylhexyl) phthalate		11	<6	<6	<6	<6	<6	<6	
Bromochloromethane	<1	<1		<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1		<1	<1	<1	<1	<1	<1
Bromoform	<1	<1		<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1		<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate		<8							
Cadmium, total	<.8	<.8		<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1		<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1		<1	<1	<1	<1	<1	<1
Chlordane		<.1							
Chlorobenzene	<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	<1	<1		<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1		<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	2.8		1.4	<.8	2.0	<.4	<.4	<.4
Copper, total	<4.0	<4.0		<4.0	<4.0	4.3	<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-4

Constituents	10/28/2021	4/13/2022	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016									
Arochlor 1221									
Arochlor 1232									
Arochlor 1242									
Arochlor 1248									
Arochlor 1254									
Arochlor 1260									
Arsenic, total	<4.0	<4.0	<4.0	4.5	<4.0	<4.0	<4.0	<2.0	<2.0
Azobenzene									
Barium, total	73.2	63.6	81.8	162.0	67.4	33.4	76.7	55.3	73.2
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	<.5	<.5
Beta-bhc									
Bis (2-chloroethoxy) methane									
Bis(2-chloroethyl) ether									
Bis(2-chloroisopropyl) ether									
Bis(2-ethylhexyl) phthalate									
Bromochloromethane	<1	<1	<1	<1	<1	<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	<.2
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	8.3	<8.0	<8.0	<8.0	<1.0	1.1
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	<.4	<.4	<2.0	3.5	<.4	<.4	<.4	<.5	<.5
Copper, total	<4.0	<4.0	<4.0	9.1	<4.0	<4.0	<4.0	<5.0	<5.0
Cyanide, total									
Delta-bhc									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethylphthalate									
Di-n-butyl phthalate									
Di-n-octyl phthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan i									
Endosulfan ii									
Endosulfan sulfate									
Endrin									
Endrin aldehyde									
Ethyl methacrylate									
Ethyl methanesulfonate									
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur									
Fluoranthene									
Fluorene									
Gamma-bhc (lindane)									
Heptachlor									
Heptachlor epoxide									
Hexachlorobenzene									

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

Table 9

Analytical Data Summary for MW-4

Constituents	Units	10/14/2014	1/12/2015	4/13/2015	9/23/2015	4/12/2016	10/11/2016	1/17/2017	4/20/2017
Hexachlorobutadiene	ug/L								<8
Hexachlorocyclopentadiene	ug/L								<8
Hexachloroethane	ug/L								<8
Hexachloropropene	ug/L								<8
Indeno(1,2,3-cd)pyrene	ug/L								<8
Isobutanol	mg/L								<1
Isodrin	ug/L								<8
Isophorone	ug/L								<8
Isosafrole	ug/L								<8
Kepone	ug/L								<8
Lead, total	ug/L	<4.0		<4.0	<4.0	<4.0	<4.0		<4.0
Mercury, total	ug/L								<.5
Methacrylonitrile	ug/L								<1
Methapyrilene	ug/L								<8
Methoxychlor	ug/L								<.05
Methyl iodide	ug/L	<1		<1	<1	<1	<1		<1
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	6.2		<4.0	<4.0	<4.0	<4.0		9.5
Nitrobenzene	ug/L								<8
N-nitrosodiethylamine	ug/L								<8
N-nitrosodimethylamine	ug/L								<8
N-nitrosodi-n-butylamine	ug/L								<8
N-nitroso-di-n-propylamine	ug/L								<8
N-nitrosodiphenylamine	ug/L								<8
N-nitrosomethylethylamine	ug/L								<8
N-nitrosopiperidine	ug/L								<8
N-nitrosopyrrolidine	ug/L								<8
O,o,o-triethyl phosphorothioate	ug/L								<.4
O-toluidine	ug/L								<8
Parathion	ug/L								<.4
P-dimethylaminoazobenzene	ug/L								<8
Pentachlorobenzene	ug/L								<8
Pentachloronitrobenzene (pcnb)	ug/L								<8
Pentachlorophenol	ug/L								<8
Phenacetin	ug/L								<8
Phenanthrene	ug/L								<8
Phenol	ug/L								<8
Phorate	ug/L								<.4
Pronamide	ug/L								<8
Propionitrile	ug/L								<10
Pyrene	ug/L								<8
Safrole	ug/L								<8
Selenium, total	ug/L	<4		<4	<4	<4	<4		<4
Silver, total	ug/L	<4		<4	<4	<4	<4		<4
Solids, total suspended	mg/L	69		2					
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	<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
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	40.0	<8.0	12.4	10.3	<8.0	11.9	58.9	57.6

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

Table 9

Analytical Data Summary for MW-4

Constituents	10/12/2017	4/23/2018	7/5/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021
Hexachlorobutadiene		<8							
Hexachlorocyclopentadiene		<8							
Hexachloroethane		<8							
Hexachloropropene		<8							
Indeno(1,2,3-cd)pyrene		<8							
Isobutanol		<1							
Isodrin		<8							
Isophorone		<8							
Isosafrole		<8							
Kepone		<8							
Lead, total	<4.0	<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	<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	<4.0	4.5		4.7	<4.0	6.0	<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							
Parathion		<.4							
P-dimethylaminoazobenzene		<8							
Pentachlorobenzene		<8							
Pentachloronitrobenzene (pcnb)		<8							
Pentachlorophenol		<8							
Phenacetin		<8							
Phenanthrene		<8							
Phenol		<8							
Phorate		<.4							
Pronamide		<8							
Propionitrile		<10							
Pyrene		<8							
Safrole		<8							
Selenium, total	<4	<4		<4	<4	<4	<4	<4	<4
Silver, total	<4	<4		<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1		<1	<1	<1	<1	<1	<1
Sulfide, total		<.1							
Tetrachloroethylene	<1	<1		<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0		<4.0	<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	<8.0	159.0		237.0	<20.0	130.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-4

Constituents	10/28/2021	4/13/2022	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	<4.0	<4.0	<4.0	7.6	<4.0	<4.0	<4.0	<1.0	<1.0
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene									
Nickel, total	<4.0	<4.0	<4.0	9.8	<4.0	<4.0	<4.0	<5.0	<5.0
Nitrobenzene									
N-nitrosodiethylamine									
N-nitrosodimethylamine									
N-nitrosodi-n-butylamine									
N-nitroso-di-n-propylamine									
N-nitrosodiphenylamine									
N-nitrosomethylethylamine									
N-nitrosopiperidine									
N-nitrosopyrrolidine									
O,o,o-triethyl phosphorothioate									
O-toluidine									
Parathion									
P-dimethylaminoazobenzene									
Pentachlorobenzene									
Pentachloronitrobenzene (pcnb)									
Pentachlorophenol									
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total									
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
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	<2	<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
Zinc, total	<20.0	<20.0	216.0	627.0	<20.0	<20.0	70.9	19.7	12.3

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

Table 9

Analytical Data Summary for MW-5

Constituents	Units	10/14/2014	4/13/2015	9/23/2015	11/24/2015	4/12/2016	10/11/2016	4/20/2017	10/12/2017
(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					<1	<1		
1,3-dinitrobenzene	ug/L					<8	<8		
1,4-dichlorobenzene	ug/L	<1	<1	<1		<1	<1	<1	<1
1,4-naphthoquinone	ug/L					<8	<8		
1,4-phenylenediamine	ug/L					<8	<8		
1-naphthylamine	ug/L					<8	<8		
2,2-dichloropropane	ug/L					<1	<1		
2,3,4,6-tetrachlorophenol	ug/L					<8	<8		
2,4,5-t	ug/L					<.5	<.5		
2,4,5-tp (silvex)	ug/L					<.5	<.5		
2,4,5-trichlorophenol	ug/L					<8	<8		
2,4,6-trichlorophenol	ug/L					<8	<8		
2,4-d	ug/L					<2	<2		
2,4-dichlorophenol	ug/L					<8	<8		
2,4-dimethylphenol	ug/L					<8	<8		
2,4-dinitrophenol	ug/L					<8	<8		
2,4-dinitrotoluene	ug/L					<8	<8		
2,6-dichlorophenol	ug/L					<8	<8		
2,6-dinitrotoluene	ug/L					<8	<8		
2-acetylaminofluorene	ug/L					<8	<8		
2-butanone (mek)	ug/L	<5	<5	<5		<5	<5	<5	<5
2-chloronaphthalene	ug/L					<8	<8		
2-chlorophenol	ug/L					<8	<8		
2-hexanone (mbk)	ug/L	<5	<5	<5		<5	<5	<5	<5
2-methylnaphthalene	ug/L					<8	<8		
2-methylphenol	ug/L					<8	<8		
2-naphthylamine	ug/L					<8	<8		
2-nitroaniline	ug/L					<8	<8		
2-nitrophenol	ug/L					<8	<8		
3,3´-dichlorobenzidine	ug/L					<8	<8		
3,3'-dimethylbenzidine	ug/L					<8	<8		
3-methylcholanthrene	ug/L					<8	<8		
3-nitroaniline	ug/L					<8	<8		
4,4´-ddd	ug/L					<.05	<.05		
4,4´-dde	ug/L					<.05	<.05		
4,4´-ddt	ug/L					<.05	<.05		
4,6-dinitro-2-methylphenol	ug/L					<8	<8		
4-aminobiphenyl	ug/L					<8	<8		
4-bromophenyl phenyl ether	ug/L					<8	<8		
4-chloro-3-methylphenol	ug/L					<8	<8		
4-chloroaniline	ug/L					<8	<8		
4-chlorophenyl phenyl ether	ug/L					<8	<8		
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5		<5	<5	<5	<5
4-nitroaniline	ug/L					<8	<8		
4-nitrophenol	ug/L					<8	<8		
5-nitro-o-toluidine	ug/L					<8	<8		
7,12-dimethylbenz(a)anthracene	ug/L					<8	<8		
Acenaphthene	ug/L					<8	<8		
Acenaphthylene	ug/L					<8	<8		
Acetone	ug/L	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	12.2
Acetonitrile	ug/L					<10	<10		
Acetophenone	ug/L					<8	<8		
Acrolein	ug/L					<10	<10		
Acrylonitrile	ug/L	<5	<5	<5		<5	<5	<5	<5
Aldrin	ug/L					<.05	<.05		
Allyl chloride	ug/L					<1	<1		
Alpha-bhc	ug/L					<.05	<.05		
Anthracene	ug/L					<8	<8		

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

Table 9

Analytical Data Summary for MW-5

Constituents	4/23/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022
(3 4)-methylphenol									
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene									
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene									
1,2,4-trichlorobenzene									
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene									
1,3,5-trinitrobenzene									
1,3-dichlorobenzene									
1,3-dichloropropane									
1,3-dinitrobenzene									
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone									
1,4-phenylenediamine									
1-naphthylamine									
2,2-dichloropropane									
2,3,4,6-tetrachlorophenol									
2,4,5-t									
2,4,5-tp (silvex)									
2,4,5-trichlorophenol									
2,4,6-trichlorophenol									
2,4-d									
2,4-dichlorophenol									
2,4-dimethylphenol									
2,4-dinitrophenol									
2,4-dinitrotoluene									
2,6-dichlorophenol									
2,6-dinitrotoluene									
2-acetylaminofluorene									
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-chloronaphthalene									
2-chlorophenol									
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene									
2-methylphenol									
2-naphthylamine									
2-nitroaniline									
2-nitrophenol									
3,3´-dichlorobenzidine									
3,3'-dimethylbenzidine									
3-methylcholanthrene									
3-nitroaniline									
4,4´-ddd									
4,4´-dde									
4,4´-ddt									
4,6-dinitro-2-methylphenol									
4-aminobiphenyl									
4-bromophenyl phenyl ether									
4-chloro-3-methylphenol									
4-chloroaniline									
4-chlorophenyl phenyl ether									
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline									
4-nitrophenol									
5-nitro-o-toluidine									
7,12-dimethylbenz(a)anthracene									
Acenaphthene									
Acenaphthylene									
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin									
Allyl chloride									
Alpha-bhc									
Anthracene									

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

Table 9

Analytical Data Summary for MW-5

Constituents	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
(3 4)-methylphenol							
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene							
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene							
1,2,4-trichlorobenzene							
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene							
1,3,5-trinitrobenzene							
1,3-dichlorobenzene							
1,3-dichloropropane							
1,3-dinitrobenzene							
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone							
1,4-phenylenediamine							
1-naphthylamine							
2,2-dichloropropane							
2,3,4,6-tetrachlorophenol							
2,4,5-t							
2,4,5-tp (silvex)							
2,4,5-trichlorophenol							
2,4,6-trichlorophenol							
2,4-d							
2,4-dichlorophenol							
2,4-dimethylphenol							
2,4-dinitrophenol							
2,4-dinitrotoluene							
2,6-dichlorophenol							
2,6-dinitrotoluene							
2-acetylaminofluorene							
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10
2-chloronaphthalene							
2-chlorophenol							
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene							
2-methylphenol							
2-naphthylamine							
2-nitroaniline							
2-nitrophenol							
3,3´-dichlorobenzidine							
3,3'-dimethylbenzidine							
3-methylcholanthrene							
3-nitroaniline							
4,4´-ddd							
4,4´-dde							
4,4´-ddt							
4,6-dinitro-2-methylphenol							
4-aminobiphenyl							
4-bromophenyl phenyl ether							
4-chloro-3-methylphenol							
4-chloroaniline							
4-chlorophenyl phenyl ether							
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline							
4-nitrophenol							
5-nitro-o-toluidine							
7,12-dimethylbenz(a)anthracene							
Acenaphthene							
Acenaphthylene							
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile							
Acetophenone							
Acrolein							
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Aldrin							
Allyl chloride							
Alpha-bhc							
Anthracene							

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

Table 9

Analytical Data Summary for MW-5

Constituents	Units	10/14/2014	4/13/2015	9/23/2015	11/24/2015	4/12/2016	10/11/2016	4/20/2017	10/12/2017
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	251.0	272.0	330.0	328.0	167.0	262.0	338.0	276.0
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-chloroisopropyl) ether	ug/L					<8	<8		
Bis(2-ethylhexyl) phthalate	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	<.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	<.005		
Delta-bhc	ug/L					<.05	<.05		
Diallate	ug/L					<8	<8		
Dibenzo(a,h)anthracene	ug/L					<8	<8		
Dibenzofuran	ug/L					<8	<8		
Dibromochloromethane	ug/L	<1	<1	<1		<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1		<1	<1	<1	<1
Dichlorodifluoromethane	ug/L					<1	<1		
Dieldrin	ug/L					<.05	<.05		
Diethyl phthalate	ug/L					<8	<8		
Dimethoate	ug/L					<.4	<.4		
Dimethylphthalate	ug/L					<8	<8		
Di-n-butyl phthalate	ug/L					<8	<8		
Di-n-octyl phthalate	ug/L					<8	<8		
Dinoseb	ug/L					<.5	<.5		
Diphenylamine	ug/L					<8	<8		
Disulfoton	ug/L					<.4	<.4		
Endosulfan i	ug/L					<.05	<.05		
Endosulfan ii	ug/L					<.05	<.05		
Endosulfan sulfate	ug/L					<.05	<.05		
Endrin	ug/L					<.05	<.05		
Endrin aldehyde	ug/L					<.05	<.05		
Ethyl methacrylate	ug/L					<10	<10		
Ethyl methanesulfonate	ug/L					<8	<8		
Ethylbenzene	ug/L	<1	<1	<1		<1	<1	<1	<1
Famphur	ug/L					<.4	<.4		
Fluoranthene	ug/L					<8	<8		
Fluorene	ug/L					<8	<8		
Gamma-bhc (lindane)	ug/L					<.05	<.05		
Heptachlor	ug/L					<.05	<.05		
Heptachlor epoxide	ug/L					<.05	<.05		
Hexachlorobenzene	ug/L					<.05	<.05		

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

Table 9

Analytical Data Summary for MW-5

Constituents	4/23/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016									
Arochlor 1221									
Arochlor 1232									
Arochlor 1242									
Arochlor 1248									
Arochlor 1254									
Arochlor 1260									
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene									
Barium, total	206.0	212.0	193.0	296.0	268.0	268.0	71.8	175.0	180.0
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene									
Benzo(a)pyrene									
Benzo(b)fluoranthene									
Benzo(g,h,i)perylene									
Benzo(k)fluoranthene									
Benzyl alcohol									
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc									
Bis (2-chloroethoxy) methane									
Bis(2-chloroethyl) ether									
Bis(2-chloroisopropyl) ether									
Bis(2-ethylhexyl) phthalate									
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate									
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane									
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate									
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene									
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene									
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	3.4	.6	<.4	<.4	.4
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total									
Delta-bhc									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethylphthalate									
Di-n-butyl phthalate									
Di-n-octyl phthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan i									
Endosulfan ii									
Endosulfan sulfate									
Endrin									
Endrin aldehyde									
Ethyl methacrylate									
Ethyl methanesulfonate									
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur									
Fluoranthene									
Fluorene									
Gamma-bhc (lindane)									
Heptachlor									
Heptachlor epoxide									
Hexachlorobenzene									

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

Table 9

Analytical Data Summary for MW-5

Constituents	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Antimony, total	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016							
Arochlor 1221							
Arochlor 1232							
Arochlor 1242							
Arochlor 1248							
Arochlor 1254							
Arochlor 1260							
Arsenic, total	<4	<4	<4	<4	4	<2	<2
Azobenzene							
Barium, total	250.0	206.0	202.0	71.7	287.0	71.1	171.0
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	<.5	<.5
Beta-bhc							
Bis (2-chloroethoxy) methane							
Bis(2-chloroethyl) ether							
Bis(2-chloroisopropyl) ether							
Bis(2-ethylhexyl) phthalate							
Bromochloromethane	<1	<1	<1	<1	<1	<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	1.1	<.8	<.8	1.1	<.2	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlordane							
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate							
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chloroprene							
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	1.0	1.2
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	<2.0	2.7	<.4	<.4	3.5	<.5	.6
Copper, total	<4.0	9.6	<4.0	<4.0	12.6	<5.0	<5.0
Cyanide, total							
Delta-bhc							
Diallate							
Dibenzo(a,h)anthracene							
Dibenzofuran							
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane							
Dieldrin							
Diethyl phthalate							
Dimethoate							
Dimethylphthalate							
Di-n-butyl phthalate							
Di-n-octyl phthalate							
Dinoseb							
Diphenylamine							
Disulfoton							
Endosulfan i							
Endosulfan ii							
Endosulfan sulfate							
Endrin							
Endrin aldehyde							
Ethyl methacrylate							
Ethyl methanesulfonate							
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Famphur							
Fluoranthene							
Fluorene							
Gamma-bhc (lindane)							
Heptachlor							
Heptachlor epoxide							
Hexachlorobenzene							

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

Table 9

Analytical Data Summary for MW-5

Constituents	Units	10/14/2014	4/13/2015	9/23/2015	11/24/2015	4/12/2016	10/11/2016	4/20/2017	10/12/2017
Hexachlorobutadiene	ug/L					<8	<8		
Hexachlorocyclopentadiene	ug/L					<8	<8		
Hexachloroethane	ug/L					<8	<8		
Hexachloropropene	ug/L					<8	<8		
Indeno(1,2,3-cd)pyrene	ug/L					<8	<8		
Isobutanol	mg/L					<1	<1		
Isodrin	ug/L					<8	<8		
Isophorone	ug/L					<8	<8		
Isosafrole	ug/L					<8	<8		
Kepone	ug/L					<8	<8		
Lead, total	ug/L	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0
Mercury, total	ug/L					<.5	<.5		
Methacrylonitrile	ug/L					<1	<1		
Methapyrilene	ug/L					<8	<8		
Methoxychlor	ug/L					<.05	<.05		
Methyl iodide	ug/L	<1	<1	<1		<1	<1	<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	5.9	6.3	5.7		<4.0	<4.0	<4.0	<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		
Parathion	ug/L					<.4	<.4		
P-dimethylaminoazobenzene	ug/L					<8	<8		
Pentachlorobenzene	ug/L					<8	<8		
Pentachloronitrobenzene (pcnb)	ug/L					<8	<8		
Pentachlorophenol	ug/L					<8	<8		
Phenacetin	ug/L					<8	<8		
Phenanthrene	ug/L					<8	<8		
Phenol	ug/L					<8	<8		
Phorate	ug/L					<.4	<.4		
Pronamide	ug/L					<8	<8		
Propionitrile	ug/L					<40	<10		
Pyrene	ug/L					<8	<8		
Safrole	ug/L					<8	<8		
Selenium, total	ug/L	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0
Silver, total	ug/L	<4	<4	<4		<4	<4	<4	<4
Solids, total suspended	mg/L	5	2						
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	<4.0	<4.0	<4.0
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	24.7	<8.0	<8.0		<8.0	<8.0	16.5	<8.0

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

Table 9

Analytical Data Summary for MW-5

Constituents	4/23/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene									
Nickel, total	<4.0	<4.0	<4.0	<4.0	6.8	6.6	<4.0	<4.0	<4.0
Nitrobenzene									
N-nitrosodiethylamine									
N-nitrosodimethylamine									
N-nitrosodi-n-butylamine									
N-nitroso-di-n-propylamine									
N-nitrosodiphenylamine									
N-nitrosomethylethylamine									
N-nitrosopiperidine									
N-nitrosopyrrolidine									
O,o,o-triethyl phosphorothioate									
O-toluidine									
Parathion									
P-dimethylaminoazobenzene									
Pentachlorobenzene									
Pentachloronitrobenzene (pcnb)									
Pentachlorophenol									
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total									
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin									
Tin, total									
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene									
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	15.2	20.3	<20.0	83.1	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-5

Constituents	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Hexachlorobutadiene							
Hexachlorocyclopentadiene							
Hexachloroethane							
Hexachloropropene							
Indeno(1,2,3-cd)pyrene							
Isobutanol							
Isodrin							
Isophorone							
Isosafrole							
Kepone							
Lead, total	<4.0	6.2	<4.0	<4.0	11.9	<1.0	<1.0
Mercury, total							
Methacrylonitrile							
Methapyrilene							
Methoxychlor							
Methyl iodide	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate							
Methyl methanesulfonate							
Methyl parathion							
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Naphthalene							
Nickel, total	5.4	13.1	<4.0	<4.0	16.3	<5.0	<5.0
Nitrobenzene							
N-nitrosodiethylamine							
N-nitrosodimethylamine							
N-nitrosodi-n-butylamine							
N-nitroso-di-n-propylamine							
N-nitrosodiphenylamine							
N-nitrosomethylethylamine							
N-nitrosopiperidine							
N-nitrosopyrrolidine							
O,o,o-triethyl phosphorothioate							
O-toluidine							
Parathion							
P-dimethylaminoazobenzene							
Pentachlorobenzene							
Pentachloronitrobenzene (pcnb)							
Pentachlorophenol							
Phenacetin							
Phenanthrene							
Phenol							
Phorate							
Pronamide							
Propionitrile							
Pyrene							
Safrole							
Selenium, total	<4.0	<4.0	<4.0	<4.0	<4.0	2.1	<2.0
Silver, total	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended							
Styrene	<1	<1	<1	<1	<1	<1	<1
Sulfide, total							
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin							
Tin, total							
Toluene	<1	<1	<1	<1	<1	<1	<1
Toxaphene							
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	411.0	<20.0	<20.0	1080.0	11.6	11.3

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

Table 9

Analytical Data Summary for MW-6

Constituents	Units	10/14/2014	4/13/2015	9/23/2015	11/24/2015	4/12/2016	10/11/2016	1/17/2017	4/20/2017
(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-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	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
Anthracene	ug/L								<8

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

Table 9

Analytical Data Summary for MW-6

Constituents	10/12/2017	4/23/2018	7/5/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021
(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	<1	<1	<5	<5	<5
1,2-dibromoethane	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene		<8							
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)	<5	<5		<5	<5	<5	<5	<5	<5
2-chloronaphthalene		<8							
2-chlorophenol		<8							
2-hexanone (mbk)	<5	<5		<5	<5	<5	<5	<5	<5
2-methylnaphthalene		<8							
2-methylphenol		<8							
2-naphthylamine		<8							
2-nitroaniline		<8							
2-nitrophenol		<8							
3,3´-dichlorobenzidine		<8							
3,3'-dimethylbenzidine		<8							
3-methylcholanthrene		<8							
3-nitroaniline		<8							
4,4´-ddd		<.05							
4,4´-dde		<.05							
4,4´-ddt		<.05							
4,6-dinitro-2-methylphenol		<8							
4-aminobiphenyl		<8							
4-bromophenyl phenyl ether		<8							
4-chloro-3-methylphenol		<8							
4-chloroaniline		<8							
4-chlorophenyl phenyl ether		<8							
4-methyl-2-pentanone (mibk)	<5	<5		<5	<5	<5	<5	<5	<5
4-nitroaniline		<8							
4-nitrophenol		<8							
5-nitro-o-toluidine		<8							
7,12-dimethylbenz(a)anthracene		<8							
Acenaphthene		<8							
Acenaphthylene		<8							
Acetone	<10	<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-6

Constituents	10/28/2021	4/13/2022	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
(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	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene				<8					
1,3,5-trinitrobenzene				<8					
1,3-dichlorobenzene				<1					
1,3-dichloropropane				<1					
1,3-dinitrobenzene				<8					
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone				<8					
1,4-phenylenediamine				<8					
1-naphthylamine				<8					
2,2-dichloropropane				<1					
2,3,4,6-tetrachlorophenol				<8					
2,4,5-t				<.5					
2,4,5-tp (silvex)				<.5					
2,4,5-trichlorophenol				<8					
2,4,6-trichlorophenol				<8					
2,4-d				<2					
2,4-dichlorophenol				<8					
2,4-dimethylphenol				<8					
2,4-dinitrophenol				<8					
2,4-dinitrotoluene				<8					
2,6-dichlorophenol				<8					
2,6-dinitrotoluene				<8					
2-acetylaminofluorene				<8					
2-butanone (mek)	<5	<10	<10	<5	<10	<10	<10	<10	<10
2-chloronaphthalene				<8					
2-chlorophenol				<8					
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene				<8					
2-methylphenol				<8					
2-naphthylamine				<8					
2-nitroaniline				<8					
2-nitrophenol				<8					
3,3´-dichlorobenzidine				<8					
3,3'-dimethylbenzidine				<8					
3-methylcholanthrene				<8					
3-nitroaniline				<8					
4,4´-ddd				<.05					
4,4´-dde				<.05					
4,4´-ddt				<.05					
4,6-dinitro-2-methylphenol				<8					
4-aminobiphenyl				<8					
4-bromophenyl phenyl ether				<8					
4-chloro-3-methylphenol				<8					
4-chloroaniline				<8					
4-chlorophenyl phenyl ether				<8					
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline				<8					
4-nitrophenol				<8					
5-nitro-o-toluidine				<8					
7,12-dimethylbenz(a)anthracene				<8					
Acenaphthene				<8					
Acenaphthylene				<8					
Acetone	<10	<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-6

Constituents	Units	10/14/2014	4/13/2015	9/23/2015	11/24/2015	4/12/2016	10/11/2016	1/17/2017	4/20/2017
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	<4.0	<4.0	4.2	<4.0	<4.0	<4.0		<4.0
Azobenzene	ug/L								<8
Barium, total	ug/L	35.7	37.2	25.7		24.5	28.8		36.5
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-chloroisopropyl) ether	ug/L								<8
Bis(2-ethylhexyl) phthalate	ug/L								<6
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	1.1	.8	.8		2.3	1.1	6.3	2.0
Copper, total	ug/L	<4	<4	<4		<4	<4		<4
Cyanide, total	mg/L								.009
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
Hexachlorobenzene	ug/L								<.05

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

Table 9

Analytical Data Summary for MW-6

Constituents	10/12/2017	4/23/2018	7/5/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021
Antimony, total	<2	<2		<2	<2	<2	<2	<2	<2
Arochlor 1016		<.1							
Arochlor 1221		<.2							
Arochlor 1232		<.2							
Arochlor 1242		<.2							
Arochlor 1248		<.2							
Arochlor 1254		<.1							
Arochlor 1260		<.1							
Arsenic, total	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene		<8							
Barium, total	22.5	23.9		25.2	43.2	28.1	22.8	28.3	18.2
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-chloroisopropyl) ether		<8							
Bis(2-ethylhexyl) phthalate		6	8	<6	<6	10	<6	<6	<6
Bromochloromethane	<1	<1		<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1		<1	<1	<1	<1	<1	<1
Bromoform	<1	<1		<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1		<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate		<8							
Cadmium, total	<.8	<.8		<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1		<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1		<1	<1	<1	<1	<1	<1
Chlordane		<.1							
Chlorobenzene	<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	<1	<1		<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1		<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8		<.8	.8	<.8	1.9	1.0	<.4
Copper, total	<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
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-6

Constituents	10/28/2021	4/13/2022	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016				<.1					
Arochlor 1221				<.2					
Arochlor 1232				<.2					
Arochlor 1242				<.2					
Arochlor 1248				<.2					
Arochlor 1254				<.1					
Arochlor 1260				<.1					
Arsenic, total	<4.0	<4.0	8.1	5.3	<4.0	<4.0	17.7	4.9	3.2
Azobenzene				<8					
Barium, total	23.8	20.7	50.9	24.5	23.0	21.8	74.4	31.9	25.8
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	<.5	<.5
Beta-bhc				<.05					
Bis (2-chloroethoxy) methane				<8					
Bis(2-chloroethyl) ether				<8					
Bis(2-chloroisopropyl) ether				<8					
Bis(2-ethylhexyl) phthalate	<6	<6		7	<6				
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate				<8					
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane				<.1					
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate				<8					
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene				<1					
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<1.0	1.5
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	1.0	1.1	4.6	.7	.5	<.4	5.1	.8	.6
Copper, total	<4	<4	<4	<4	<4	<4	<4	<5	<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	<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-6

Constituents	Units	10/14/2014	4/13/2015	9/23/2015	11/24/2015	4/12/2016	10/11/2016	1/17/2017	4/20/2017
Hexachlorobutadiene	ug/L								<8
Hexachlorocyclopentadiene	ug/L								<8
Hexachloroethane	ug/L								<8
Hexachloropropene	ug/L								<8
Indeno(1,2,3-cd)pyrene	ug/L								<8
Isobutanol	mg/L								<1
Isodrin	ug/L								<8
Isophorone	ug/L								<8
Isosafrole	ug/L								<8
Kepone	ug/L								<8
Lead, total	ug/L	<4	<4	<4		<4	<4		<4
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	7.1	<4.0	<4.0		<4.0	<4.0		<4.0
Nitrobenzene	ug/L								<8
N-nitrosodiethylamine	ug/L								<8
N-nitrosodimethylamine	ug/L								<8
N-nitrosodi-n-butylamine	ug/L								<8
N-nitroso-di-n-propylamine	ug/L								<8
N-nitrosodiphenylamine	ug/L								<8
N-nitrosomethylethylamine	ug/L								<8
N-nitrosopiperidine	ug/L								<8
N-nitrosopyrrolidine	ug/L								<8
O,o,o-triethyl phosphorothioate	ug/L								<.4
O-toluidine	ug/L								<8
Parathion	ug/L								<.4
P-dimethylaminoazobenzene	ug/L								<8
Pentachlorobenzene	ug/L								<8
Pentachloronitrobenzene (pcnb)	ug/L								<8
Pentachlorophenol	ug/L								<8
Phenacetin	ug/L								<8
Phenanthrene	ug/L								<8
Phenol	ug/L								<8
Phorate	ug/L								<.4
Pronamide	ug/L								<8
Propionitrile	ug/L								<10
Pyrene	ug/L								<8
Safrole	ug/L								<8
Selenium, total	ug/L	<4	<4	<4		<4	<4		<4
Silver, total	ug/L	<4	<4	<4		<4	<4		<4
Solids, total suspended	mg/L	17	46						
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	<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
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	9.4	31.0	<8.0		<8.0	<8.0		<8.0

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

Table 9

Analytical Data Summary for MW-6

Constituents	10/12/2017	4/23/2018	7/5/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021
Hexachlorobutadiene		<8							
Hexachlorocyclopentadiene		<8							
Hexachloroethane		<8							
Hexachloropropene		<8							
Indeno(1,2,3-cd)pyrene		<8							
Isobutanol		<1							
Isodrin		<8							
Isophorone		<8							
Isosafrole		<8							
Kepone		<8							
Lead, total	<4	<4		<4	<4	<4	<4	<4	<4
Mercury, total		<.5							
Methacrylonitrile		<1							
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	<4.0	<4.0		<4.0	<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							
Parathion		<.4							
P-dimethylaminoazobenzene		<8							
Pentachlorobenzene		<8							
Pentachloronitrobenzene (pcnb)		<8							
Pentachlorophenol		<8							
Phenacetin		<8							
Phenanthrene		<8							
Phenol		<8							
Phorate		<.4							
Pronamide		<8							
Propionitrile		<10							
Pyrene		<8							
Safrole		<8							
Selenium, total	<4	<4		<4	<4	<4	<4	<4	<4
Silver, total	<4	<4		<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1		<1	<1	<1	<1	<1	<1
Sulfide, total		<.1							
Tetrachloroethylene	<1	<1		<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0		<4.0	<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	28.8	10.1		32.0	24.8	22.0	28.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-6

Constituents	10/28/2021	4/13/2022	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Hexachlorobutadiene				<8					
Hexachlorocyclopentadiene				<8					
Hexachloroethane				<8					
Hexachloropropene				<8					
Indeno(1,2,3-cd)pyrene				<8					
Isobutanol				<1					
Isodrin				<8					
Isophorone				<8					
Isosafrole				<8					
Kepone				<8					
Lead, total	<4	<4	<4	<4	<4	<4	<4	<1	<1
Mercury, total				<.5					
Methacrylonitrile				<1					
Methapyrilene				<8					
Methoxychlor				<.05					
Methyl iodide	<1	<1	<1	<2	<1	<1	<1	<1	<1
Methyl methacrylate				<1					
Methyl methanesulfonate				<8					
Methyl parathion				<.4					
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene				<8					
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	5.0	<5.0	<5.0
Nitrobenzene				<8					
N-nitrosodiethylamine				<8					
N-nitrosodimethylamine				<8					
N-nitrosodi-n-butylamine				<8					
N-nitroso-di-n-propylamine				<8					
N-nitrosodiphenylamine				<8					
N-nitrosomethylethylamine				<8					
N-nitrosopiperidine				<8					
N-nitrosopyrrolidine				<8					
O,o,o-triethyl phosphorothioate				<.4					
O-toluidine				<8					
Parathion				<.4					
P-dimethylaminoazobenzene				<8					
Pentachlorobenzene				<8					
Pentachloronitrobenzene (pcnb)				<8					
Pentachlorophenol				<8					
Phenacetin				<8					
Phenanthrene				<8					
Phenol				<8					
Phorate				<.4					
Pronamide				<8					
Propionitrile				<10					
Pyrene				<8					
Safrole				<8					
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total				<.3					
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	<.5	<.5
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	<2	<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
Zinc, total	<20.0	<20.0	<20.0	<20.0	27.4	<20.0	25.4	11.2	24.3

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

Table 9

Analytical Data Summary for MW-7

Constituents	Units	10/14/2014	4/14/2015	9/23/2015	4/12/2016	10/11/2016	1/17/2017	4/20/2017	10/12/2017
(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	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-7

Constituents	4/23/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022
(3 4)-methylphenol	<8								
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	<1								
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	<8								
1,2,4-trichlorobenzene	<1								
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	<8								
1,3,5-trinitrobenzene	<8								
1,3-dichlorobenzene	<1								
1,3-dichloropropane	<1								
1,3-dinitrobenzene	<8								
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	<8								
1,4-phenylenediamine	<8								
1-naphthylamine	<8								
2,2-dichloropropane	<1								
2,3,4,6-tetrachlorophenol	<8								
2,4,5-t	<.5								
2,4,5-tp (silvex)	<.5								
2,4,5-trichlorophenol	<8								
2,4,6-trichlorophenol	<8								
2,4-d	<2								
2,4-dichlorophenol	<8								
2,4-dimethylphenol	<8								
2,4-dinitrophenol	<8								
2,4-dinitrotoluene	<8								
2,6-dichlorophenol	<8								
2,6-dinitrotoluene	<8								
2-acetylaminofluorene	<8								
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-chloronaphthalene	<8								
2-chlorophenol	<8								
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	<8								
2-methylphenol	<8								
2-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-7

Constituents	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
(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	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene		<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	<5	<10	<10	<10	<10	<10
2-chloronaphthalene		<8					
2-chlorophenol		<8					
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene		<8					
2-methylphenol		<8					
2-naphthylamine		<8					
2-nitroaniline		<8					
2-nitrophenol		<8					
3,3´-dichlorobenzidine		<8					
3,3'-dimethylbenzidine		<8					
3-methylcholanthrene		<8					
3-nitroaniline		<8					
4,4´-ddd		<.05					
4,4´-dde		<.05					
4,4´-ddt		<.05					
4,6-dinitro-2-methylphenol		<8					
4-aminobiphenyl		<8					
4-bromophenyl phenyl ether		<8					
4-chloro-3-methylphenol		<8					
4-chloroaniline		<8					
4-chlorophenyl phenyl ether		<8					
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline		<8					
4-nitrophenol		<8					
5-nitro-o-toluidine		<8					
7,12-dimethylbenz(a)anthracene		<8					
Acenaphthene		<8					
Acenaphthylene		<8					
Acetone	<10	<10	<10	<10	<10	<10	<10
Acetonitrile		<10					
Acetophenone		<8					
Acrolein		<10					
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Aldrin		<.05					
Allyl chloride		<1					
Alpha-bhc		<.05					
Anthracene		<8					

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

Table 9

Analytical Data Summary for MW-7

Constituents	Units	10/14/2014	4/14/2015	9/23/2015	4/12/2016	10/11/2016	1/17/2017	4/20/2017	10/12/2017
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	53.8	35.2	34.7	22.8	43.9		29.2	26.4
Benzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Benzo(a)anthracene	ug/L							<8	
Benzo(a)pyrene	ug/L							<8	
Benzo(b)fluoranthene	ug/L							<8	
Benzo(g,h,i)perylene	ug/L							<8	
Benzo(k)fluoranthene	ug/L							<8	
Benzyl alcohol	ug/L							<8	
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0
Beta-bhc	ug/L							<.05	
Bis (2-chloroethoxy) methane	ug/L							<8	
Bis(2-chloroethyl) ether	ug/L							<8	
Bis(2-chloroisopropyl) ether	ug/L							<8	
Bis(2-ethylhexyl) phthalate	ug/L							<6	
Bromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Butyl benzyl phthalate	ug/L							<8	
Cadmium, total	ug/L	<.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	<8	<8	<8	<8		<8	<8
Chrysene	ug/L							<8	
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1		<1	<1
Cobalt, total	ug/L	1.2	<.8	2.7	<.8	<.8		<.8	<.8
Copper, total	ug/L	<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
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-7

Constituents	4/23/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022
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	17.4	31.3	26.0	34.8	14.5	22.1	19.8	25.0	25.8
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-chloroisopropyl) ether	<8								
Bis(2-ethylhexyl) phthalate	<6								
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	<8								
Cadmium, total	<.8	<.8	<.8	.9	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	<.1								
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	<8								
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	<1								
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	<8								
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	<.4	<.4	<.4	<.4	.5
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-7

Constituents	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Antimony, total	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016		<.1					
Arochlor 1221		<.2					
Arochlor 1232		<.2					
Arochlor 1242		<.2					
Arochlor 1248		<.2					
Arochlor 1254		<.1					
Arochlor 1260		<.1					
Arsenic, total	<4	<4	<4	<4	<4	<2	<2
Azobenzene		<8					
Barium, total	31.4	31.3	108.0	19.8	26.0	14.5	29.7
Benzene	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene		<8					
Benzo(a)pyrene		<8					
Benzo(b)fluoranthene		<8					
Benzo(g,h,i)perylene		<8					
Benzo(k)fluoranthene		<8					
Benzyl alcohol		<8					
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Beta-bhc		<.05					
Bis (2-chloroethoxy) methane		<8					
Bis(2-chloroethyl) ether		<8					
Bis(2-chloroisopropyl) ether		<8					
Bis(2-ethylhexyl) phthalate		<6					
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate		<8					
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.2	.4
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlordane		<.1					
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate		<8					
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chloroprene		<1					
Chromium, total	<8	<8	<8	<8	<8	<1	<1
Chrysene		<8					
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	2.1	<.4	<.4	<.4	<.4	<.5	.5
Copper, total	<4	<4	<4	<4	<4	<5	<5
Cyanide, total		<.005					
Delta-bhc		<.05					
Diallate		<8					
Dibenzo(a,h)anthracene		<8					
Dibenzofuran		<8					
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane		<1					
Dieldrin		<.05					
Diethyl phthalate		<8					
Dimethoate		<.4					
Dimethylphthalate		<8					
Di-n-butyl phthalate		<8					
Di-n-octyl phthalate		<8					
Dinoseb		<.5					
Diphenylamine		<8					
Disulfoton		<.4					
Endosulfan i		<.05					
Endosulfan ii		<.05					
Endosulfan sulfate		<.05					
Endrin		<.05					
Endrin aldehyde		<.05					
Ethyl methacrylate		<10					
Ethyl methanesulfonate		<8					
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Famphur		<.4					
Fluoranthene		<8					
Fluorene		<8					
Gamma-bhc (lindane)		<.05					
Heptachlor		<.05					
Heptachlor epoxide		<.05					
Hexachlorobenzene		<.05					

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

Table 9

Analytical Data Summary for MW-7

Constituents	Units	10/14/2014	4/14/2015	9/23/2015	4/12/2016	10/11/2016	1/17/2017	4/20/2017	10/12/2017
Hexachlorobutadiene	ug/L							<8	
Hexachlorocyclopentadiene	ug/L							<8	
Hexachloroethane	ug/L							<8	
Hexachloropropene	ug/L							<8	
Indeno(1,2,3-cd)pyrene	ug/L							<8	
Isobutanol	mg/L							<1	
Isodrin	ug/L							<8	
Isophorone	ug/L							<8	
Isosafrole	ug/L							<8	
Kepone	ug/L							<8	
Lead, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Mercury, total	ug/L							<.5	
Methacrylonitrile	ug/L							<1	
Methapyrilene	ug/L							<8	
Methoxychlor	ug/L							<.05	
Methyl iodide	ug/L	<1	<1	<1	<1	<1		<1	<1
Methyl methacrylate	ug/L							<1	
Methyl methanesulfonate	ug/L							<8	
Methyl parathion	ug/L							<.4	
Methylene chloride	ug/L	<5	<5	<5	<5	<5		<5	<5
Naphthalene	ug/L							<8	
Nickel, total	ug/L	8.5	<4.0	8.2	<4.0	8.1	12.5	<4.0	<4.0
Nitrobenzene	ug/L							<8	
N-nitrosodiethylamine	ug/L							<8	
N-nitrosodimethylamine	ug/L							<8	
N-nitrosodi-n-butylamine	ug/L							<8	
N-nitroso-di-n-propylamine	ug/L							<8	
N-nitrosodiphenylamine	ug/L							<8	
N-nitrosomethylethylamine	ug/L							<8	
N-nitrosopiperidine	ug/L							<8	
N-nitrosopyrrolidine	ug/L							<8	
O,o,o-triethyl phosphorothioate	ug/L							<.4	
O-toluidine	ug/L							<8	
Parathion	ug/L							<.4	
P-dimethylaminoazobenzene	ug/L							<8	
Pentachlorobenzene	ug/L							<8	
Pentachloronitrobenzene (pcnb)	ug/L							<8	
Pentachlorophenol	ug/L							<8	
Phenacetin	ug/L							<8	
Phenanthrene	ug/L							<8	
Phenol	ug/L							<8	
Phorate	ug/L							<.4	
Pronamide	ug/L							<8	
Propionitrile	ug/L							<10	
Pyrene	ug/L							<8	
Safrole	ug/L							<8	
Selenium, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Solids, total suspended	mg/L	6	10						
Styrene	ug/L	<1	<1	<1	<1	<1		<1	<1
Sulfide, total	mg/L							<.1	
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0
Thionazin	ug/L							<.4	
Tin, total	ug/L							<20	
Toluene	ug/L	<1	<1	<1	<1	<1		<1	<1
Toxaphene	ug/L							<.2	
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5		<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20		<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5		<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1		<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2		<2	<2
Zinc, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0		30.7	<8.0

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

Table 9

Analytical Data Summary for MW-7

Constituents	4/23/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021	10/28/2021	4/13/2022
Hexachlorobutadiene	<8								
Hexachlorocyclopentadiene	<8								
Hexachloroethane	<8								
Hexachloropropene	<8								
Indeno(1,2,3-cd)pyrene	<8								
Isobutanol	<1								
Isodrin	<8								
Isophorone	<8								
Isosafrole	<8								
Kepone	<8								
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<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	<4.0	<4.0	<4.0	4.0	<4.0	<4.0	4.8
Nitrobenzene	<8								
N-nitrosodiethylamine	<8								
N-nitrosodimethylamine	<8								
N-nitrosodi-n-butylamine	<8								
N-nitroso-di-n-propylamine	<8								
N-nitrosodiphenylamine	<8								
N-nitrosomethylethylamine	<8								
N-nitrosopiperidine	<8								
N-nitrosopyrrolidine	<8								
O,o,o-triethyl phosphorothioate	<.4								
O-toluidine	<8								
Parathion	<.4								
P-dimethylaminoazobenzene	<8								
Pentachlorobenzene	<8								
Pentachloronitrobenzene (pcnb)	<8								
Pentachlorophenol	<8								
Phenacetin	<8								
Phenanthrene	<8								
Phenol	<8								
Phorate	<.4								
Pronamide	<8								
Propionitrile	<10								
Pyrene	<8								
Safrole	<8								
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	<.1								
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<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	41.5	24.4	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-7

Constituents	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
Hexachlorobutadiene		<8					
Hexachlorocyclopentadiene		<8					
Hexachloroethane		<8					
Hexachloropropene		<8					
Indeno(1,2,3-cd)pyrene		<8					
Isobutanol		<1					
Isodrin		<8					
Isophorone		<8					
Isosafrole		<8					
Kepone		<8					
Lead, total	<4	<4	<4	<4	<4	<1	<1
Mercury, total		<.5					
Methacrylonitrile		<1					
Methapyrilene		<8					
Methoxychlor		<.05					
Methyl iodide	<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
Naphthalene		<8					
Nickel, total	10.3	<4.0	<4.0	<4.0	4.0	<5.0	6.2
Nitrobenzene		<8					
N-nitrosodiethylamine		<8					
N-nitrosodimethylamine		<8					
N-nitrosodi-n-butylamine		<8					
N-nitroso-di-n-propylamine		<8					
N-nitrosodiphenylamine		<8					
N-nitrosomethylethylamine		<8					
N-nitrosopiperidine		<8					
N-nitrosopyrrolidine		<8					
O,o,o-triethyl phosphorothioate		<.4					
O-toluidine		<8					
Parathion		<.4					
P-dimethylaminoazobenzene		<8					
Pentachlorobenzene		<8					
Pentachloronitrobenzene (pcnb)		<8					
Pentachlorophenol		<8					
Phenacetin		<8					
Phenanthrene		<8					
Phenol		<8					
Phorate		<.4					
Pronamide		<8					
Propionitrile		<10					
Pyrene		<8					
Safrole		<8					
Selenium, total	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended							
Styrene	<1	<1	<1	<1	<1	<1	<1
Sulfide, total		<.1					
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin		<.4					
Tin, total		<20					
Toluene	<1	<1	<1	<1	<1	<1	<1
Toxaphene		<.2					
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	5.1	5.8

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

Table 9

Analytical Data Summary for MW-9

Constituents	Units	10/14/2014	1/12/2015	4/14/2015	7/21/2015	9/22/2015	9/23/2015	4/12/2016	10/11/2016
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5		<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5		<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5		<5	<5
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0
Acrylonitrile	ug/L	<5	<5	<5	<5	<5		<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2		<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Barium, total	ug/L	114.0	115.0	138.0	111.0	114.0		99.2	106.0
Benzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8		<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1		<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1		<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Chromium, total	ug/L	<8	<8	<8	<8	<8		<8	<8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1		<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.8		<.8	<.8
Copper, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<1		<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5		<5	<5
Nickel, total	ug/L	<4.0	4.0	<4.0	<4.0	<4.0		<4.0	<4.0
Selenium, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Solids, total suspended	mg/L	7		2					
Styrene	ug/L	<1	<1	<1	<1	<1		<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5		<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20		<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5		<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1		<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2		<2	<2
Zinc, total	ug/L	<8.0	<8.0	<8.0	<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-9

Constituents	4/20/2017	10/12/2017	4/23/2018	10/12/2018	4/16/2019	10/17/2019	4/9/2020	10/8/2020	4/15/2021
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<1	<1	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10.0	11.2	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	116.0	105.0	110.0	106.0	106.0	113.0	93.9	98.7	93.2
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	1.2	<.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	<.8	<.4	<.4	<.4
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<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
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	9.0	<20.0	29.9	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-9

Constituents	10/28/2021	4/13/2022	10/19/2022	4/6/2023	10/10/2023	4/11/2024	10/17/2024	4/10/2025	10/21/2025
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	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<2	<2
Barium, total	91.9	105.0	102.0	96.1	89.8	95.5	137.0	90.1	91.2
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	1.3	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
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	<1	<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	<2.0	<.4	<.4	<.4	<.4	<.5	<.5
Copper, total	<4	<4	<4	<4	<4	<4	<4	<5	<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
Lead, total	<4	<4	<4	<4	<4	<4	<4	<1	<1
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	4.2	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
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	<2	<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
Zinc, total	<20.0	<20.0	<20.0	21.3	<20.0	<20.0	<20.0	16.2	7.0

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

Table 9

Analytical Data Summary for SW-1

Constituents	Units	10/14/2014	4/14/2015	9/23/2015	4/12/2016	10/11/2016	1/17/2017	4/20/2017	10/12/2018
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
2-butanone (mek)	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0		<5.0	7.7
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5		<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5		<5	<5
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0		15.7	27.2
Acrylonitrile	ug/L	<5	<5	<5	<5	<5		<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2		<2	<2
Arsenic, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	5.5
Barium, total	ug/L	35.5	49.5	32.5	23.9	47.1		43.3	145.0
Benzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Beryllium, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Bromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8		<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1		<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1		<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Chromium, total	ug/L	<8	<8	<8	<8	<8		<8	10
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	3.2	5.5	10.9	16.1
Copper, total	ug/L	<4	<4	<4	<4	<4		<4	5
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<1		<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5		<5	<5
Nickel, total	ug/L	4.0	<4.0	<4.0	<4.0	15.2	19.1	13.4	39.5
Selenium, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Solids, total suspended	mg/L	<2	<2						
Styrene	ug/L	<1	<1	<1	<1	<1		<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Thallium, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Toluene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5		<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20		<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5		<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1		<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2		<2	<2
Zinc, total	ug/L	<8.0	14.1	<8.0	<8.0	<8.0		<20.0	31.2

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

Table 9

Analytical Data Summary for SW-2

Constituents	Units	10/14/2014	4/14/2015
(3 4)-methylphenol	ug/L	<8	
1,1,1,2-tetrachloroethane	ug/L	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1
1,1-dichloroethane	ug/L	<1	<1
1,1-dichloroethylene	ug/L	<1	<1
1,1-dichloropropene	ug/L	<1	
1,2,3-trichloropropane	ug/L	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L	<8	
1,2,4-trichlorobenzene	ug/L	<1	
1,2-dibromo-3-chloropropane	ug/L	<1	<1
1,2-dibromoethane	ug/L	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1
1,2-dichloroethane	ug/L	<1	<1
1,2-dichloropropane	ug/L	<1	<1
1,2-dinitrobenzene	ug/L	<8	
1,3,5-trinitrobenzene	ug/L	<8	
1,3-dichlorobenzene	ug/L	<1	
1,3-dichloropropane	ug/L	<1	
1,3-dinitrobenzene	ug/L	<8	
1,4-dichlorobenzene	ug/L	<1	<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	<.7	
2,4,5-tp (silvex)	ug/L	<.7	
2,4,5-trichlorophenol	ug/L	<8	
2,4,6-trichlorophenol	ug/L	<8	
2,4-d	ug/L	<2.9	
2,4-dichlorophenol	ug/L	<8	
2,4-dimethylphenol	ug/L	<8	
2,4-dinitrophenol	ug/L	<8	
2,4-dinitrotoluene	ug/L	<8	
2,6-dichlorophenol	ug/L	<8	
2,6-dinitrotoluene	ug/L	<8	
2-acetylaminofluorene	ug/L	<8	
2-butanone (mek)	ug/L	<5	<5
2-chloronaphthalene	ug/L	<8	
2-chlorophenol	ug/L	<8	
2-hexanone (mbk)	ug/L	<5	<5
2-methylnaphthalene	ug/L	<8	
2-methylphenol	ug/L	<8	
2-naphthylamine	ug/L	<8	
2-nitroaniline	ug/L	<8	
2-nitrophenol	ug/L	<8	
3,3´-dichlorobenzidine	ug/L	<8	
3,3'-dimethylbenzidine	ug/L	<8	
3-methylcholanthrene	ug/L	<8	
3-nitroaniline	ug/L	<8	
4,4´-ddd	ug/L	<.05	
4,4´-dde	ug/L	<.05	
4,4´-ddt	ug/L	<.05	
4,6-dinitro-2-methylphenol	ug/L	<8	
4-aminobiphenyl	ug/L	<8	
4-bromophenyl phenyl ether	ug/L	<8	
4-chloro-3-methylphenol	ug/L	<8	
4-chloroaniline	ug/L	<8	
4-chlorophenyl phenyl ether	ug/L	<8	
4-methyl-2-pentanone (mibk)	ug/L	<5	<5
4-nitroaniline	ug/L	<8	
4-nitrophenol	ug/L	<8	
5-nitro-o-toluidine	ug/L	<8	
7,12-dimethylbenz(a)anthracene	ug/L	<8	
Acenaphthene	ug/L	<8	
Acenaphthylene	ug/L	<8	
Acetone	ug/L	<10	<10
Acetonitrile	ug/L	<10	
Acetophenone	ug/L	<8	
Acrolein	ug/L	<10	
Acrylonitrile	ug/L	<5	<5
Aldrin	ug/L	<.05	
Allyl chloride	ug/L	<1	
Alpha-bhc	ug/L	<.05	
Anthracene	ug/L	<8	

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

Table 9

Analytical Data Summary for SW-2

Constituents	Units	10/14/2014	4/14/2015
Antimony, total	ug/L	<2	<2
Arochlor 1016	ug/L	<.1	
Arochlor 1221	ug/L	<.2	
Arochlor 1232	ug/L	<.2	
Arochlor 1242	ug/L	<.2	
Arochlor 1248	ug/L	<.2	
Arochlor 1254	ug/L	<.1	
Arochlor 1260	ug/L	<.1	
Arsenic, total	ug/L	<4	<4
Azobenzene	ug/L	<8	
Barium, total	ug/L	39.8	38.9
Benzene	ug/L	<1	<1
Benzo(a)anthracene	ug/L	<8	
Benzo(a)pyrene	ug/L	<8	
Benzo(b)fluoranthene	ug/L	<8	
Benzo(g,h,i)perylene	ug/L	<8	
Benzo(k)fluoranthene	ug/L	<8	
Benzyl alcohol	ug/L	<8	
Beryllium, total	ug/L	<4	<4
Beta-bhc	ug/L	<.05	
Bis (2-chloroethoxy) methane	ug/L	<8	
Bis(2-chloroethyl) ether	ug/L	<8	
Bis(2-chloroisopropyl) ether	ug/L	<8	
Bis(2-ethylhexyl) phthalate	ug/L	<8	
Bromochloromethane	ug/L	<1	<1
Bromodichloromethane	ug/L	<1	<1
Bromoform	ug/L	<1	<1
Bromomethane	ug/L	<1	<1
Butyl benzyl phthalate	ug/L	<8	
Cadmium, total	ug/L	<.8	<.8
Carbon disulfide	ug/L	<1	<1
Carbon tetrachloride	ug/L	<1	<1
Chlordane	ug/L	<.1	
Chlorobenzene	ug/L	<1	<1
Chlorobenzilate	ug/L	<8	
Chloroethane	ug/L	<1	<1
Chloroform	ug/L	<1	<1
Chloromethane	ug/L	<1	<1
Chloroprene	ug/L	<1	
Chromium, total	ug/L	<8	<8
Chrysene	ug/L	<8	
Cis-1,2-dichloroethylene	ug/L	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1
Cobalt, total	ug/L	8.1	3.1
Copper, total	ug/L	<4	<4
Cyanide, total	mg/L	<.005	
Delta-bhc	ug/L	<.05	
Diallate	ug/L	<8	
Dibenzo(a,h)anthracene	ug/L	<8	
Dibenzofuran	ug/L	<8	
Dibromochloromethane	ug/L	<1	<1
Dibromomethane	ug/L	<1	<1
Dichlorodifluoromethane	ug/L	<1	
Dieldrin	ug/L	<.05	
Diethyl phthalate	ug/L	<8	
Dimethoate	ug/L	<.4	
Dimethylphthalate	ug/L	<8	
Di-n-butyl phthalate	ug/L	<8	
Di-n-octyl phthalate	ug/L	<8	
Dinoseb	ug/L	<.7	
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
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 SW-2

Constituents	Units	10/14/2014	4/14/2015
Hexachlorobutadiene	ug/L	<8	
Hexachlorocyclopentadiene	ug/L	<8	
Hexachloroethane	ug/L	<8	
Hexachloropropene	ug/L	<8	
Indeno(1,2,3-cd)pyrene	ug/L	<8	
Isobutanol	mg/L	<1	
Isodrin	ug/L	<8	
Isophorone	ug/L	<8	
Isosafrole	ug/L	<8	
Kepone	ug/L	<8	
Lead, total	ug/L	<4	<4
Mercury, total	ug/L	<.5	
Methacrylonitrile	ug/L	<1	
Methapyrilene	ug/L	<8	
Methoxychlor	ug/L	<.05	
Methyl iodide	ug/L	<1	<1
Methyl methacrylate	ug/L	<1	
Methyl methanesulfonate	ug/L	<8	
Methyl parathion	ug/L	<.4	
Methylene chloride	ug/L	<5	<5
Naphthalene	ug/L	<8	
Nickel, total	ug/L	51.0	32.4
Nitrobenzene	ug/L	<8	
N-nitrosodiethylamine	ug/L	<8	
N-nitrosodimethylamine	ug/L	<8	
N-nitrosodi-n-butylamine	ug/L	<8	
N-nitroso-di-n-propylamine	ug/L	<8	
N-nitrosodiphenylamine	ug/L	<8	
N-nitrosomethylethylamine	ug/L	<8	
N-nitrosopiperidine	ug/L	<8	
N-nitrosopyrrolidine	ug/L	<8	
O,o,o-triethyl phosphorothioate	ug/L	<.4	
O-toluidine	ug/L	<8	
Parathion	ug/L	<.4	
P-dimethylaminoazobenzene	ug/L	<8	
Pentachlorobenzene	ug/L	<8	
Pentachloronitrobenzene (pcnb)	ug/L	<8	
Pentachlorophenol	ug/L	<8	
Phenacetin	ug/L	<8	
Phenanthrene	ug/L	<8	
Phenol	ug/L	<8	
Phorate	ug/L	.4	<.4
Pronamide	ug/L	<8	
Propionitrile	ug/L	<10	
Pyrene	ug/L	<8	
Safrole	ug/L	<8	
Selenium, total	ug/L	<4	<4
Silver, total	ug/L	<4	<4
Solids, total suspended	mg/L	2	2
Styrene	ug/L	<1	<1
Sulfide, total	mg/L	<.1	<.1
Tetrachloroethylene	ug/L	<1	<1
Thallium, total	ug/L	<4	<4
Thionazin	ug/L	<.4	
Tin, total	ug/L	<20	
Toluene	ug/L	<1	<1
Toxaphene	ug/L	<.2	
Trans-1,2-dichloroethylene	ug/L	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5
Trichloroethylene	ug/L	<1	<1
Trichlorofluoromethane	ug/L	<1	<1
Vanadium, total	ug/L	<20	<20
Vinyl acetate	ug/L	<5	<5
Vinyl chloride	ug/L	<1	<1
Xylenes, total	ug/L	<2	<2
Zinc, total	ug/L	<8	<8

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

Table 10 – Historic SSI and SSL - *Not Required*

Table 11 – Corrective Action Trend Analysis- *Not Required*

Table 12 – Leachate Thickness Summary

Table 12
Leachate Evaluation Report
FMC Sanitary Landfill
Permit No. 66-SDP-01-73P

Leachate head measurements in 2025 are summarized as:

Date/Location	Phase 1	Phase 2	Phase 3
January	< 12”	< 12”	< 12”
February	< 12”	< 12”	< 12”
March	< 12”	< 12”	< 12”
April	< 12”	< 12”	< 12”
May	< 12”	< 12”	< 12”
June	< 12”	< 12”	< 12”
July	< 12”	< 12”	< 12”
August	< 12”	< 12”	< 12”
September	< 12”	< 12”	< 12”
October	20”	< 12”	< 12”
November	< 12”	< 12”	< 12”
December	< 12”	< 12”	< 12”

Table 13 – Gas Monitoring Summary

Table 13
Explosive Gas Monitoring
Annual Water Quality Report
Floyd Mitchell Chickasaw Counties Sanitary Landfill
Permit No. 66-SDP-01-73P

Reference Location	Jan 2025 LEL %	4/10/2025 LEL %	June, 25 LEL %	10/21/2025 LEL %
Subsurface Monitoring Points & Regulated Structures				
GP-1 (MW-12)	0	0	0	0
GP-2	0	0	0	0
GP-3	0	0	0	0
GP-4	0	0	0	0
GP-5 (MW-3)	0	0	0	0
Utility conduits/ E Side Scalehouse	0	0	0	0 0
Scalehouse	0	0	0	0
Scale Pit	0	0	0	0
T&A Building	0	0	0	0
HHW Building	0	0	0	0
BG Building	0	0	0	0
Maintenance Bldg	0	0	0	0
Equipment Building	0	0	0	0
Excluded Structures Pursuant 113.9(2)"a"(1)				
Vent 1 (east)	0	0	0	0
Vent 2	0	0	0	0
Vent 3	0	0	0	**3.6**
Vent 4 (west)	0	**OL**	0	**81.5**
Groundwater Underdrain Monitoring Point - Phase 1	**OL**	**OL**	0	**50.9**
Groundwater Underdrain Monitoring Point - Phase 2	0	0	0	0
Groundwater Underdrain Monitoring Point - Phase 3	0	0	0	0

*Explosive gas concentrations were recorded continuously. The concentrations are reported at each referenced location for ease in presentation of data.

OL - Over Limit

Appendix A
Field Sampling Forms

Floyd-Mitchell-Chickasaw Counties Sanitary Landfill
PERMIT # 66-SDP-01-73P

4/10/2025 Sampled by: Todd Whipple Weather conditions: Partly sunny trending to overcast, calm, 45-54 degrees

IDNR Form 542-1322

Monitoring Well: MW-2 (dg)

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

GENERAL INFORMATION

TOC	1180.67
Well Depth	32.85
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	1180.67
Well Depth	32.85
Top Screen	1162.82
Bottom Screen	1147.82
Bottom Well	1147.82
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	27.00
Top sample	1153.67
Bottom sample	1149.67
Turbidity(NTU)	6.93

Date	Time	Water Level	Water Elevation	Notes
4/10/2025	9:18	1.85	1178.82	

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		6.93
Appendix I	Metals	150	150		6.93
Appendix I	VOC	240	240		6.93
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	Bis	1-Qt			
Supplemental					
Total			400	0	

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

TOC	1180.67	4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	32.85	Before purging	4/10/2025	9:18	1.85	1178.82		0.0	
		After purging				1180.67			
		Top of Screen after construction				1162.82			
						17.85	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1147.82			
		Bottom of Well	4/10/2025		32.80	1147.87			
						0.05	feet sedimentation		
		Before Sample				1180.67			
		Recovery				1180.67			
		Recovery				1180.67			
		Recovery				1180.67			
		Recovery				1180.67			

IDNR Form 542-1322

Monitoring Well: MW-3 (dg)

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

GENERAL INFORMATION

TOC	1189.79
Well Depth	22.55
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1189.79
Well Depth	22.55
Top Screen	1182.24
Bottom Screen	1167.24
Bottom Well	1167.24
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	17.00
Top sample	1172.79
Bottom sample	1168.79
Turbidity(NTU)	2.39

Date	Time	Water Level	Water Elevation	Notes
4/10/2025	9:00	14.7	1175.09	

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		2.39
Appendix I	Metals	150	150		2.39
Appendix I	VOC	240	240		2.39
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		1-Qt			
Supplemental					
Total			400	0	

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1189.79	Before purging	4/10/2025	9:00	14.70	1175.09		0.0	
Well Depth	22.55	After purging				1189.79			
		Top of Screen after construction				1182.24			
						7.55	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1167.24			
		Bottom of Well	4/10/2025		22.60	1167.19			
						-0.05	feet sedimentation		
		Before Sample				1189.79			
		Recovery				1189.79			
		Recovery				1189.79			
		Recovery				1189.79			
		Recovery				1189.79			

IDNR Form 542-1322

Monitoring Well: MW-4 (b)

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

GENERAL INFORMATION

TOC	1209.46
Well Depth	32.38
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1209.46
Well Depth	32.38
Top Screen	1192.08
Bottom Screen	1177.08
Bottom Well	1177.08
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	27.00
Top sample	1182.46
Bottom sample	1178.46
Turbidity(NTU)	2.11

Date	Time	Water Level	Water Elevation	Notes
4/10/2025	12:24	4.79	1204.67	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.11
Appendix I	Metals	150	150		2.11
Appendix I	VOC	240	240		2.11
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BIS	1-Qt			
Supplemental					
Total			400	0	

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

TOC	1209.46	4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	32.38	Before purging	4/10/2025	12:24	4.79	1204.67		0.0	
		After purging				1209.46			
		Top of Screen after construction				1192.08			
						17.38	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1177.08			
		Bottom of Well	4/10/2025		32.80	1176.66			
						-0.42	feet sedimentation		
		Before Sample				1209.46			
		Recovery				1209.46			
		Recovery				1209.46			
		Recovery				1209.46			
		Recovery				1209.46			

IDNR Form 542-1322

Monitoring Well: MW-5 (b)

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

GENERAL INFORMATION

TOC	1209.87
Well Depth	31.65
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1209.87
Well Depth	31.65
Top Screen	1193.22
Bottom Screen	1178.22
Bottom Well	1178.22
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	26.50
Top sample	1183.37
Bottom sample	1179.37
Turbidity(NTU)	2.40

Date	Time	Water Level	Water Elevation	Notes
4/10/2025	11:50	4.68	1205.19	

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		2.40
Appendix I	Metals	150	150		2.40
Appendix I	VOC	240	240		2.40
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		1-Qt			
Supplemental					
Total			400	0	

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1209.87	Before purging	4/10/2025	11:50	4.68	1205.19		0.0	
Well Depth	31.65	After purging				1209.87			
		Top of Screen after construction				1193.22			
						16.65	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1178.22			
		Bottom of Well	4/10/2025		31.70	1178.17			
						-0.05	feet sedimentation		
		Before Sample				1209.87			
		Recovery				1209.87			
		Recovery				1209.87			
		Recovery				1209.87			
		Recovery				1209.87			

IDNR Form 542-1322

Monitoring Well: MW-6 (dg)

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

GENERAL INFORMATION

TOC	1201.7
Well Depth	32.70
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1201.7
Well Depth	32.70
Top Screen	1184.00
Bottom Screen	1169.00
Bottom Well	1169.00
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	27.00
Top sample	1174.70
Bottom sample	1170.70
Turbidity(NTU)	168.20

red

Date	Time	Water Level	Water Elevation	Notes
4/10/2025	12:10	5.7	1196	

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		168.20
Appendix I	Metals	150	150		168.20
Appendix I	VOC	240	240		168.20
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BIS	1-Qt	945		
Supplemental					
Total			1345	0	

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1201.7	Before purging	4/10/2025	12:10	5.7	1196.00		0.0	
Well Depth	32.70	After purging				1201.70			
		Top of Screen after construction				1184.00			
						17.70	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1169.00			
		Bottom of Well	4/10/2025		32.60	1169.10			
						0.10	feet sedimentation		
		Before Sample				1201.70			
		Recovery				1201.70			
		Recovery				1201.70			
		Recovery				1201.70			
		Recovery				1201.70			

IDNR Form 542-1322

Monitoring Well: MW-7 (dg)

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

GENERAL INFORMATION

TOC	1197.57
Well Depth	22.66
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	1197.57
Well Depth	22.66
Top Screen	1189.91
Bottom Screen	1174.91
Bottom Well	1174.91
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	17.00
Top sample	1180.57
Bottom sample	1176.57
Turbidity(NTU)	1.77

Date	Time	Water Level	Water Elevation	Notes
4/10/2025	9:31	4.24	1193.33	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.77
Appendix I	Metals	150	150		1.77
Appendix I	VOC	240	240		1.77
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		1-Qt			
Supplemental					
Total			400	0	

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1197.57	Before purging	4/10/2025	9:31	4.24	1193.33		0.0	
Well Depth	22.66	After purging				1197.57			
		Top of Screen after construction				1189.91			
						7.66	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1174.91			
		Bottom of Well	4/10/2025		22.40	1175.17			
						0.26	feet sedimentation		
		Before Sample				1197.57			
		Recovery				1197.57			
		Recovery				1197.57			
		Recovery				1197.57			
		Recovery				1197.57			

IDNR Form 542-1322

Monitoring Well: MW-9 (b)

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

GENERAL INFORMATION

TOC	1207.51
Well Depth	32.62
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	1207.51
Well Depth	32.62
Top Screen	1184.89
Bottom Screen	1174.89
Bottom Well	1174.89
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	27.00
Top sample	1180.51
Bottom sample	1176.51
Turbidity(NTU)	1.54

Date	Time	Water Level	Water Elevation	Notes
4/10/2025	11:04	7.15	1200.36	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.54
Appendix I	Metals	150	150		1.54
Appendix I	VOC	240	240		1.54
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		1-Qt			
Supplemental					
Total			400	0	

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1207.51	Before purging	4/10/2025	11:04	7.15	1200.36		0.0	
Well Depth	32.62	After purging				1207.51			
		Top of Screen after construction				1184.89			
						22.62	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1174.89			
		Bottom of Well	4/10/2025		32.50	1175.01			
						0.12	feet sedimentation		
		Before Sample				1207.51			
		Recovery				1207.51			
		Recovery				1207.51			
		Recovery				1207.51			
		Recovery				1207.51			

IDNR Form 542-1322

Monitoring Well: MW-11 (dg)

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

GENERAL INFORMATION

TOC	1179.86
Well Depth	37.14
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	1179.86
Well Depth	37.14
Top Screen	1152.72
Bottom Screen	1142.72
Bottom Well	1142.72
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	31.00
Top sample	1148.86
Bottom sample	1144.86
Turbidity(NTU)	1.86

Date	Time	Water Level	Water Elevation	Notes
4/10/2025	9:47	13.7	1166.16	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.86
Appendix I	Metals	150	150		1.86
Appendix I	VOC	240	240		1.86
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		1-Qt			
Supplemental					
Total			400	0	

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1179.86	Before purging	4/10/2025	9:47	13.70	1166.16		0.0	
Well Depth	37.14	After purging				1179.86			
		Top of Screen after construction				1152.72			
						27.14	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1142.72			
		Bottom of Well	4/10/2025		36.80	1143.06			
						0.34	feet sedimentation		
		Before Sample				1179.86			
		Recovery				1179.86			
		Recovery				1179.86			
		Recovery				1179.86			
		Recovery				1179.86			

IDNR Form 542-1322

Monitoring Well: MW-12 (dg)

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

GENERAL INFORMATION

TOC	1181.55
Well Depth	21.51
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	1181.55
Well Depth	21.51
Top Screen	1170.04
Bottom Screen	1160.04
Bottom Well	1160.04
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.50
Top sample	1166.05
Bottom sample	1162.05
Turbidity(NTU)	1.82

Date	Time	Water Level	Water Elevation	Notes
4/10/2025	12:54	12.55	1169.00	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.82
Appendix I	Metals	150	150		1.82
Appendix I	VOC	240	240		1.82
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BIS	1-Qt			
Supplemental					
Total			400	0	

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1181.55	Before purging	4/10/2025	12:54	12.55	1169.00	3.5	2.4	dry
Well Depth	21.51	After purging	4/10/2025	13:13	20.60	1160.95			
		Top of Screen after construction				1170.04			
						-9.09	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1160.04			
		Bottom of Well	4/10/2025		21.20	1160.35			
						0.31	feet sedimentation		
		Before Sample				1181.55			
		Recovery				1181.55			
		Recovery				1181.55			
		Recovery				1181.55			
		Recovery				1181.55			

IDNR Form 542-1322

Monitoring Well: MW-14 (b)

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

GENERAL INFORMATION

TOC	1209.87
Well Depth	23.18
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1209.87
Well Depth	23.18
Top Screen	1196.69
Bottom Screen	1186.69
Bottom Well	1186.69
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	17.50
Top sample	1192.37
Bottom sample	1188.37
Turbidity(NTU)	1.36

Date	Time	Water Level	Water Elevation	Notes
4/10/2025	10:55	5.27	1204.6	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.36
Appendix I	Metals	150	150		1.36
Appendix I	VOC	240	240		1.36
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		1-Qt			
Supplemental					
Total			400	0	

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1209.87	Before purging	4/10/2025	10:55	5.27	1204.60		0.0	
Well Depth	23.18	After purging				1209.87			
		Top of Screen after construction				1196.69			
						13.18	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1186.69			
		Bottom of Well	4/10/2025		22.90	1186.97			
						0.28	feet sedimentation		
		Before Sample				1209.87			
		Recovery				1209.87			
		Recovery				1209.87			
		Recovery				1209.87			
		Recovery				1209.87			

IDNR Form 542-1322

Monitoring Well: MW-15 (dg)

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

GENERAL INFORMATION

TOC	1183.46
Well Depth	30.20
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1183.46
Well Depth	30.20
Top Screen	1163.26
Bottom Screen	1153.26
Bottom Well	1153.26
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	24.50
Top sample	1158.96
Bottom sample	1154.96
Turbidity(NTU)	2.02

Date	Time	Water Level	Water Elevation	Notes
4/10/2025	10:25	12.65	1170.81	

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			
TSS	TSS	1000			
Supplemental	Bis	1-Qt			
Supplemental					
Total			400	0	

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

TOC	1183.46	4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	30.20	Before purging	4/10/2025	10:25	12.65	1170.81		0.0	
		After purging				1183.46			
		Top of Screen after construction				1163.26			
						20.20	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1153.26			
		Bottom of Well	4/10/2025		30.20	1153.26			
						0.00	feet sedimentation		
		Before Sample				1183.46			
		Recovery				1183.46			
		Recovery				1183.46			
		Recovery				1183.46			
		Recovery				1183.46			

IDNR Form 542-1322

Monitoring Well: MW-16 (dg)

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

GENERAL INFORMATION

TOC	1185.93
Well Depth	30.43
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	1185.93
Well Depth	30.43
Top Screen	1165.50
Bottom Screen	1155.50
Bottom Well	1155.50
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	25.00
Top sample	1160.93
Bottom sample	1156.93
Turbidity(NTU)	1.31

Date	Time	Water Level	Water Elevation	Notes
4/10/2025	10:43	19.09	1166.84	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.31
Appendix I	Metals	150	150		1.31
Appendix I	VOC	240	240		1.31
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	Bis	1-Qt			
Supplemental					
Total			400	0	

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

TOC	1185.93	4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	30.43	Before purging	4/10/2025	10:43	19.09	1166.84		0.0	
		After purging				1185.93			
		Top of Screen after construction				1165.50			
						20.43	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1155.50			
		Bottom of Well	4/10/2025		30.40	1155.53			
						0.03	feet sedimentation		
		Before Sample				1185.93			
		Recovery				1185.93			
		Recovery				1185.93			
		Recovery				1185.93			
		Recovery				1185.93			

Floyd-Mitchell-Chickasaw Counties Sanitary Landfill
PERMIT # 66-SDP-01-73P

10/17/2024 Sampled by: Todd Whipple Weather conditions: Sunny,40-69 degrees

IDNR Form 542-1322

Monitoring Well: MW-2 (dg)

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

GENERAL INFORMATION

TOC	1180.67
Well Depth	32.85
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	1180.67
Well Depth	32.85
Top Screen	1162.82
Bottom Screen	1147.82
Bottom Well	1147.82
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	26.00
Top sample	1154.67
Bottom sample	1150.67
Turbidity(NTU)	6.25

Date	Time	Water Level	Water Elevation	Notes
10/17/2024	10:38	6.39	1174.28	

ANALYTES, CONTAINERS, AND VOLUMES

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

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1180.67								
Well Depth	32.85	Before purging	10/17/2024	10:38	6.39	1174.28		0.0	
		After purging				1180.67			
		Top of Screen after construction				1162.82			
						17.85	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1147.82			
		Bottom of Well	10/17/2024		32.80	1147.87			
						0.05	feet sedimentation		
		Before Sample				1180.67			
		Recovery				1180.67			
		Recovery				1180.67			
		Recovery				1180.67			
		Recovery				1180.67			

IDNR Form 542-1322

Monitoring Well: MW-3 (dg)

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

GENERAL INFORMATION

TOC	1189.79
Well Depth	22.55
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1189.79
Well Depth	22.55
Top Screen	1182.24
Bottom Screen	1167.24
Bottom Well	1167.24
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	18.00
Top sample	1171.79
Bottom sample	1167.79
Turbidity(NTU)	3.22

Date	Time	Water Level	Water Elevation	Notes
10/17/2024	10:16	18.29	1171.5	

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		3.22
Appendix I	Metals	150	150		3.22
Appendix I	VOC	240	240		3.22
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		1-Qt			
Supplemental					
Total			400	0	

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

TOC	1189.79	4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.55	Before purging	10/17/2024	10:16	18.29	1171.50		0.0	
		After purging				1189.79			
		Top of Screen after construction				1182.24			
						7.55	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1167.24			
		Bottom of Well	10/17/2024		22.60	1167.19			
						-0.05	feet sedimentation		
		Before Sample				1189.79			
		Recovery				1189.79			
		Recovery				1189.79			
		Recovery				1189.79			
		Recovery				1189.79			

IDNR Form 542-1322

Monitoring Well: MW-4 (b)

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

GENERAL INFORMATION

TOC	1209.46
Well Depth	32.38
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1209.46
Well Depth	32.38
Top Screen	1192.08
Bottom Screen	1177.08
Bottom Well	1177.08
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	26.00
Top sample	1183.46
Bottom sample	1179.46
Turbidity(NTU)	5.70

Date	Time	Water Level	Water Elevation	Notes
10/17/2024	9:30	9.47	1199.99	

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		5.70
Appendix I	Metals	150	150		5.70
Appendix I	VOC	240	240		5.70
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BIS	1-Qt			
Supplemental					
Total			400	0	

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1209.46	Before purging	10/17/2024	9:30	9.47	1199.99		0.0	
Well Depth	32.38	After purging				1209.46			
		Top of Screen after construction				1192.08			
						17.38	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1177.08			
		Bottom of Well	10/17/2024		32.80	1176.66			
						-0.42	feet sedimentation		
		Before Sample				1209.46			
		Recovery				1209.46			
		Recovery				1209.46			
		Recovery				1209.46			
		Recovery				1209.46			

IDNR Form 542-1322

Monitoring Well: MW-5 (b)

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

GENERAL INFORMATION

TOC	1209.87
Well Depth	31.65
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1209.87
Well Depth	31.65
Top Screen	1193.22
Bottom Screen	1178.22
Bottom Well	1178.22
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	25.00
Top sample	1184.87
Bottom sample	1180.87
Turbidity(NTU)	16.80

Date	Time	Water Level	Water Elevation	Notes
10/17/2024	9:16	9.22	1200.65	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		16.80
Appendix I	Metals	150	150		16.80
Appendix I	VOC	240	240		16.80
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		1-Qt			
Supplemental					
Total			400	0	

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1209.87	Before purging	10/17/2024	9:16	9.22	1200.65		0.0	
Well Depth	31.65	After purging				1209.87			
		Top of Screen after construction				1193.22			
						16.65	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1178.22			
		Bottom of Well	10/17/2024		31.70	1178.17			
						-0.05	feet sedimentation		
		Before Sample				1209.87			
		Recovery				1209.87			
		Recovery				1209.87			
		Recovery				1209.87			
		Recovery				1209.87			

IDNR Form 542-1322

Monitoring Well: MW-6 (dg)

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

GENERAL INFORMATION

TOC	1201.7
Well Depth	32.70
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1201.7
Well Depth	32.70
Top Screen	1184.00
Bottom Screen	1169.00
Bottom Well	1169.00
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	26.00
Top sample	1175.70
Bottom sample	1171.70
Turbidity(NTU)	138.00

Date	Time	Water Level	Water Elevation	Notes
10/17/2024	11:58	8.85	1192.85	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		138.00
Appendix I	Metals	150	150		138.00
Appendix I	VOC	240	240		138.00
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BIS	1-Qt	945		
Supplemental					
Total			1345	0	

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

TOC	1201.7	4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	32.70	Before purging	10/17/2024	11:58	8.85	1192.85		0.0	
		After purging				1201.70			
		Top of Screen after construction				1184.00			
						17.70	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1169.00			
		Bottom of Well	10/17/2024		32.60	1169.10			
						0.10	feet sedimentation		
		Before Sample				1201.70			
		Recovery				1201.70			
		Recovery				1201.70			
		Recovery				1201.70			
		Recovery				1201.70			

IDNR Form 542-1322

Monitoring Well: MW-7 (dg)

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

GENERAL INFORMATION

TOC	1197.57
Well Depth	22.66
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	1197.57
Well Depth	22.66
Top Screen	1189.91
Bottom Screen	1174.91
Bottom Well	1174.91
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	1181.57
Bottom sample	1177.57
Turbidity(NTU)	0.89

Date	Time	Water Level	Water Elevation	Notes
10/17/2024	12:13	8.86	1188.71	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		0.89
Appendix I	Metals	150	150		0.89
Appendix I	VOC	240	240		0.89
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		1-Qt			
Supplemental					
Total			400	0	

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1197.57	Before purging	10/17/2024	12:13	8.86	1188.71		0.0	
Well Depth	22.66	After purging				1197.57			
		Top of Screen after construction				1189.91			
						7.66	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1174.91			
		Bottom of Well	10/17/2024		22.40	1175.17			
						0.26	feet sedimentation		
		Before Sample				1197.57			
		Recovery				1197.57			
		Recovery				1197.57			
		Recovery				1197.57			
		Recovery				1197.57			

IDNR Form 542-1322

Monitoring Well: MW-9 (b)

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

GENERAL INFORMATION

TOC	1207.51
Well Depth	32.62
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	1207.51
Well Depth	32.62
Top Screen	1184.89
Bottom Screen	1174.89
Bottom Well	1174.89
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	26.00
Top sample	1181.51
Bottom sample	1177.51
Turbidity(NTU)	1.57

Date	Time	Water Level	Water Elevation	Notes
10/17/2024	9:04	8.06	1199.45	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.57
Appendix I	Metals	150	150		1.57
Appendix I	VOC	240	240		1.57
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		1-Qt			
Supplemental					
Total			400	0	

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1207.51	Before purging	10/17/2024	9:04	8.06	1199.45		0.0	
Well Depth	32.62	After purging				1207.51			
		Top of Screen after construction				1184.89			
						22.62	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1174.89			
		Bottom of Well	10/17/2024		32.50	1175.01			
						0.12	feet sedimentation		
		Before Sample				1207.51			
		Recovery				1207.51			
		Recovery				1207.51			
		Recovery				1207.51			
		Recovery				1207.51			

IDNR Form 542-1322

Monitoring Well: MW-11 (dg)

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

GENERAL INFORMATION

TOC	1179.86
Well Depth	37.14
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	1179.86
Well Depth	37.14
Top Screen	1152.72
Bottom Screen	1142.72
Bottom Well	1142.72
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	31.00
Top sample	1148.86
Bottom sample	1144.86
Turbidity(NTU)	1.56

Date	Time	Water Level	Water Elevation	Notes
10/17/2024	10:52	10.96	1168.9	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.56
Appendix I	Metals	150	150		1.56
Appendix I	VOC	240	240		1.56
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		1-Qt			
Supplemental					
Total			400	0	

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1179.86	Before purging	10/17/2024	10:52	10.96	1168.90		0.0	
Well Depth	37.14	After purging				1179.86			
		Top of Screen after construction				1152.72			
						27.14	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1142.72			
		Bottom of Well	10/17/2024		36.80	1143.06			
						0.34	feet sedimentation		
		Before Sample				1179.86			
		Recovery				1179.86			
		Recovery				1179.86			
		Recovery				1179.86			
		Recovery				1179.86			

IDNR Form 542-1322

Monitoring Well: MW-12 (dg)

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

GENERAL INFORMATION

TOC	1181.55
Well Depth	21.51
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	1181.55
Well Depth	21.51
Top Screen	1170.04
Bottom Screen	1160.04
Bottom Well	1160.04
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	1165.55
Bottom sample	1161.55
Turbidity(NTU)	4.81

Date	Time	Water Level	Water Elevation	Notes
10/17/2024	11:05	16.40	1165.15	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		4.81
Appendix I	Metals	150	150		4.81
Appendix I	VOC	240	240		4.81
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BIS	1-Qt			
Supplemental					
Total			400	0	

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1181.55	Before purging	10/17/2024	11:05	16.40	1165.15		0.0	
Well Depth	21.51	After purging				1181.55			
		Top of Screen after construction				1170.04			
						11.51	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1160.04			
		Bottom of Well	10/17/2024		21.20	1160.35			
						0.31	feet sedimentation		
		Before Sample				1181.55			
		Recovery				1181.55			
		Recovery				1181.55			
		Recovery				1181.55			
		Recovery				1181.55			

IDNR Form 542-1322

Monitoring Well: MW-14 (b)

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

GENERAL INFORMATION

TOC	1209.87
Well Depth	23.18
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1209.87
Well Depth	23.18
Top Screen	1196.69
Bottom Screen	1186.69
Bottom Well	1186.69
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	1193.87
Bottom sample	1189.87
Turbidity(NTU)	2.37

Date	Time	Water Level	Water Elevation	Notes
10/17/2024	8:50	10.48	1199.39	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		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			
Supplemental		1-Qt			
Supplemental					
Total			400	0	

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

TOC	1209.87	4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	23.18	Before purging	10/17/2024	8:50	10.48	1199.39		0.0	
		After purging				1209.87			
		Top of Screen after construction				1196.69			
						13.18	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1186.69			
		Bottom of Well	10/17/2024		22.90	1186.97			
						0.28	feet sedimentation		
		Before Sample				1209.87			
		Recovery				1209.87			
		Recovery				1209.87			
		Recovery				1209.87			
		Recovery				1209.87			

IDNR Form 542-1322

Monitoring Well: MW-15 (dg)

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

GENERAL INFORMATION

TOC	1183.46
Well Depth	30.20
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1183.46
Well Depth	30.20
Top Screen	1163.26
Bottom Screen	1153.26
Bottom Well	1153.26
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	24.00
Top sample	1159.46
Bottom sample	1155.46
Turbidity(NTU)	1.95

Date	Time	Water Level	Water Elevation	Notes
10/17/2024	11:19	11.07	1172.39	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.95
Appendix I	Metals	150	150		1.95
Appendix I	VOC	240	240		1.95
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	Bis	1-Qt			
Supplemental					
Total			400	0	

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1183.46	Before purging	10/17/2024	11:19	11.07	1172.39		0.0	
Well Depth	30.20	After purging				1183.46			
		Top of Screen after construction				1163.26			
						20.20	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1153.26			
		Bottom of Well	10/17/2024		30.20	1153.26			
						0.00	feet sedimentation		
		Before Sample				1183.46			
		Recovery				1183.46			
		Recovery				1183.46			
		Recovery				1183.46			
		Recovery				1183.46			

IDNR Form 542-1322

Monitoring Well: MW-16 (dg)

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

GENERAL INFORMATION

TOC	1185.93
Well Depth	30.43
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	1185.93
Well Depth	30.43
Top Screen	1165.50
Bottom Screen	1155.50
Bottom Well	1155.50
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	25.00
Top sample	1160.93
Bottom sample	1156.93
Turbidity(NTU)	1.36

Date	Time	Water Level	Water Elevation	Notes
10/17/2024	11:41	14.65	1171.28	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.36
Appendix I	Metals	150	150		1.36
Appendix I	VOC	240	240		1.36
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	Bis	1-Qt			
Supplemental					
Total			400	0	

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

		4" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
TOC	1185.93	Before purging	10/17/2024	11:41	14.65	1171.28		0.0	
Well Depth	30.43	After purging				1185.93			
		Top of Screen after construction				1165.50			
						20.43	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1155.50			
		Bottom of Well	10/17/2024		30.40	1155.53			
						0.03	feet sedimentation		
		Before Sample				1185.93			
		Recovery				1185.93			
		Recovery				1185.93			
		Recovery				1185.93			
		Recovery				1185.93			

Appendix B

Statistical Reports

Appendix B.1 – Spring Statistical Evaluation Report

GROUND WATER STATISTICS

FOR THE

FLOYD-MITCHELL-CHICKASAW COUNTIES

SANITARY LANDFILL

First Semi-Annual Monitoring Event in 2024

Prepared for:
Floyd-Mitchell-Chickasaw Counties Solid Waste Management Agency
3354 330th Street
Mitchell County, IA

Prepared by:
Jeffrey A. Holmgren
Otter Creek Environmental Services, LLC
40W565 Foxwick Court
Elgin, IL 60124
(847) 464-1355

May 2024

MICROBAC

Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1HD1048 FMC

HLW Engineering

Todd Whipple
PO Box 314
Story City, IA 50248

Project Name: 6028

Project / PO Number: N/A
Received: 04/12/2024
Reported: 05/23/2024

Case Narrative

Amended Report, May 23, 2024: The 1,1-Dichloropropene and Trichloroethene detectable results originally reported for samples 1HD1048-05 and 07 were not correct due to an analyst error. The corrected results of Non-Detect for both analytes in both samples are included in this report.

James Eggers
Quality Assurance Officer

Sample Summary Report

Sample Name	Laboratory ID	Client Matrix	Sample Type	Sample Begin	Sample Taken	Lab Received
MW-9 (up)	1HD1048-01	Aqueous	GRAB		04/11/24 11:29	04/12/24 12:02
MW-14 (up)	1HD1048-02	Aqueous	GRAB		04/11/24 11:45	04/12/24 12:02
MW-4 (up)	1HD1048-03	Aqueous	GRAB		04/11/24 09:40	04/12/24 12:02
MW-5 (up)	1HD1048-04	Aqueous	GRAB		04/11/24 10:47	04/12/24 12:02
MW-11	1HD1048-05	Aqueous	GRAB		04/11/24 13:51	04/12/24 12:02
MW-12	1HD1048-06	Aqueous	GRAB		04/11/24 13:01	04/12/24 12:02
MW-15	1HD1048-07	Aqueous	GRAB		04/11/24 14:21	04/12/24 12:02
MW-16	1HD1048-08	Aqueous	GRAB		04/11/24 12:43	04/12/24 12:02
MW-2	1HD1048-09	Aqueous	GRAB		04/11/24 08:53	04/12/24 12:02
MW-3	1HD1048-10	Aqueous	GRAB		04/11/24 13:21	04/12/24 12:02
MW-6	1HD1048-11	Aqueous	GRAB		04/11/24 12:05	04/12/24 12:02
MW-7	1HD1048-12	Aqueous	GRAB		04/11/24 12:25	04/12/24 12:02
Duplicate	1HD1048-13	Aqueous	GRAB		04/11/24 00:00	04/12/24 12:02

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 2024 at the Floyd-Mitchell-Chickasaw Counties Sanitary Landfill near Elma, in Mitchell 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. Interwell statistics were used for comparisons of current data to background data at Floyd-Mitchell-Chickasaw Counties Sanitary Landfill. The statistical plan conforms with IAC 567, Chapter 113.10 and the USEPA statistical guidance document ("*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance"*, March 2009).

Ground Water Monitoring Program

The groundwater monitoring network for Floyd-Mitchell-Chickasaw Counties Sanitary Landfill includes downgradient detection sample points MW-11, MW-12, MW-15, MW-16, SW-1, and SW-2. Upgradient sample points along the western border of the Expansion Area include MW-9 and MW-14. Monitoring wells MW-4 and MW-5 were approved by the IDNR as additional background wells in the revised permit (August 2020). 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	*trans*-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	*cis*-1,2-Dichloroethene	1,1,2,2-Tetrachloroethane
Bromoform	*trans*-1,2-Dichloroethene	Tetrachloroethene
Carbon disulfide	1,2-Dichloropropane	Toluene
Carbon tetrachloride	*cis*-1,3-Dichloropropene	1,1,1-Trichloroethane
Chlorobenzene	*trans*-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 2024 are summarized in Attachment A.

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. Both of these methods were previously applied to the Floyd-Mitchell-Chickasaw Counties Landfill data using the DUMPStat® statistical program. The Expansion Area upgradient wells have not been monitored regularly so there was insufficient background data available to do upgradient versus downgradient comparisons previously. Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

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

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-4, MW-5,MW-9, and MW-14 during the period from October 2014 through the current data. A summary of the background data from monitoring wells MW-4, MW-5,MW-9, and MW-14, used to determine the site prediction limits, is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient sample points MW-11, MW-12, MW-15, and MW-16 compared to the site prediction limits. Prediction

limit exceedances are flagged with asterisks. For the first semi-annual 2024 monitoring data, there were no site prediction limit exceedances detected.

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

Table 4 summarizes the results of the Shapiro-Wilk test. The background barium data has a normal distribution 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.

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 Floyd-Mitchell-Chickasaw Counties Landfill during the first semi-annual monitoring event in 2024 are summarized in the table below. Historical detections are summarized in Attachment C.

VOCs detected during the first semi-annual monitoring event in 2024 — ALL NON-DETECT

Well	VOC Detected	Result, µg/l	Reporting Limit, µg/L	Verified/ Awaiting verification
MW-11	1,1-Dichloropropene	3.5	1	Awaiting verification
	Trichloroethene	3.3	1	Awaiting verification
MW-15	1,1-Dichloropropene	3.5	1	Awaiting verification
	Trichloroethene	3.3	1	Awaiting verification

Corrections to report based on amended laboratory report dated 5/23/24.

Attachment A

Summary of the Data obtained during the First Semi-Annual Monitoring Event in 2024

Table 1

Analytical Data Summary for 4/11/2024

Constituents	Units	MW-11	MW-12	MW-14	MW-15	MW-16	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-9
(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
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L	<1 ~~3.5~~			<1 ~~3.5~~								
1,2,3-trichloropropane	ug/L	<1	<1	<1	<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	<1	<5	<5	<1	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-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	<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	<10	<10	<5	<10	<10	<10	<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	<5	<5	<5
2-methylnaphthalene	ug/L	<8			<8								
2-methylphenol	ug/L	<8			<8								
2-naphthylamine	ug/L	<8			<8								
2-nitroaniline	ug/L	<8			<8								
2-nitrophenol	ug/L	<8			<8								
3,3´-dichlorobenzidine	ug/L	<8			<8								
3,3'-dimethylbenzidine	ug/L	<8			<8								
3-methylcholanthrene	ug/L	<8			<8								
3-nitroaniline	ug/L	<8			<8								
4,4´-ddd	ug/L	<.05			<.05								
4,4´-dde	ug/L	<.05			<.05								
4,4´-ddt	ug/L	<.05			<.05								
4,6-dinitro-2-methylphenol	ug/L	<8			<8								
4-aminobiphenyl	ug/L	<8			<8								
4-bromophenyl phenyl ether	ug/L	<8			<8								
4-chloro-3-methylphenol	ug/L	<8			<8								
4-chloroaniline	ug/L	<8			<8								
4-chlorophenyl phenyl ether	ug/L	<8			<8								
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<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	<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	<5	<5	<5
Aldrin	ug/L	<.05			<.05								
Allyl chloride	ug/L	<1			<1								
Alpha-bhc	ug/L	<.05			<.05								
Anthracene	ug/L	<8			<8								

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

Table 1

Analytical Data Summary for 4/11/2024

Constituents	Units	MW-11	MW-12	MW-14	MW-15	MW-16	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-9
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L	<.2			<.2								
Arochlor 1221	ug/L	<.2			<.2								
Arochlor 1232	ug/L	<.2			<.2								
Arochlor 1242	ug/L	<.2			<.2								
Arochlor 1248	ug/L	<.2			<.2								
Arochlor 1254	ug/L	<.2			<.2								
Arochlor 1260	ug/L	<.2			<.2								
Arsenic, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	4.3	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene	ug/L	<8			<8								
Barium, total	ug/L	16.0	135.0	114.0	18.1	39.1	33.9	96.4	33.4	71.7	21.8	19.8	95.5
Benzene	ug/L	<1	<1	<1	<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	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Beta-bhc	ug/L	<.05			<.05								
Bis (2-chloroethoxy) methane	ug/L	<8			<8								
Bis(2-chloroethyl) ether	ug/L	<8			<8								
Bis(2-chloroisopropyl) ether	ug/L	<8			<8								
Bis(2-ethylhexyl) phthalate	ug/L	<6			<6								
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L	<8			<8								
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L	<.1			<.1								
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L	<8			<8								
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L	<1			<1								
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L	<8			<8								
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.4	<.4	<.4	<.4	<.4	2.3	<.4	<.4	<.4	<.4	<.4	<.4
Copper, total	ug/L	<4	<4	<4	<4	<4	<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	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1			<1								
Dieldrin	ug/L	<.05			<.05								
Diethyl phthalate	ug/L	<8			<8								
Dimethoate	ug/L	<.4			<.4								
Dimethylphthalate	ug/L	<8			<8								
Di-n-butyl phthalate	ug/L	<8			<8								
Di-n-octyl phthalate	ug/L	<8			<8								
Dinoseb	ug/L	<.5			<.5								
Diphenylamine	ug/L	<8			<8								
Disulfoton	ug/L	<.4			<.4								
Endosulfan i	ug/L	<.05			<.05								
Endosulfan ii	ug/L	<.05			<.05								
Endosulfan sulfate	ug/L	<.05			<.05								
Endrin	ug/L	<.05			<.05								
Endrin aldehyde	ug/L	<.05			<.05								
Ethyl methacrylate	ug/L	<10			<10								
Ethyl methanesulfonate	ug/L	<8			<8								
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L	<.4			<.4								
Fluoranthene	ug/L	<8			<8								
Fluorene	ug/L	<8			<8								
Gamma-bhc (lindane)	ug/L	<.05			<.05								
Heptachlor	ug/L	<.05			<.05								
Heptachlor epoxide	ug/L	<.05			<.05								
Hexachlorobenzene	ug/L	<.05			<.05								

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

Table 1

Analytical Data Summary for 4/11/2024

Constituents	Units	MW-11	MW-12	MW-14	MW-15	MW-16	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-9
Hexachlorobutadiene	ug/L	<8			<8								
Hexachlorocyclopentadiene	ug/L	<8			<8								
Hexachloroethane	ug/L	<8			<8								
Hexachloropropene	ug/L	<8			<8								
Indeno(1,2,3-cd)pyrene	ug/L	<8			<8								
Isobutanol	mg/L	<1			<1								
Isodrin	ug/L	<8			<8								
Isophorone	ug/L	<8			<8								
Isosafrole	ug/L	<8			<8								
Kepone	ug/L	<8			<8								
Lead, total	ug/L	<4	<4	<4	<4	<4	<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	<2	<1	<1	<2	<1	<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	<5	<5	<5	<5	<5
Naphthalene	ug/L	<8			<8								
Nickel, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<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								
Parathion	ug/L	<.4			<.4								
P-dimethylaminoazobenzene	ug/L	<8			<8								
Pentachlorobenzene	ug/L	<8			<8								
Pentachloronitrobenzene (pcnb)	ug/L	<8			<8								
Pentachlorophenol	ug/L	<8			<8								
Phenacetin	ug/L	<8			<8								
Phenanthrene	ug/L	<8			<8								
Phenol	ug/L	<8			<8								
Phorate	ug/L	<.4			<.4								
Pronamide	ug/L	<8			<8								
Propionitrile	ug/L	<10			<10								
Pyrene	ug/L	<8			<8								
Safrole	ug/L	<8			<8								
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L	<.15			<.15								
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Thionazin	ug/L	<.4			<.4								
Tin, total	ug/L	<20			<20								
Toluene	ug/L	<1	<1	<1	<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	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1 ~~3.3~~	<1.0	<1.0	<1 ~~3.3~~	<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	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20

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

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-14	10/14/2014		2.5000		
Antimony, total	ug/L	MW-14	01/12/2015	ND	2.0000		
Antimony, total	ug/L	MW-14	04/13/2015	ND	2.0000		
Antimony, total	ug/L	MW-14	07/21/2015	ND	2.0000		
Antimony, total	ug/L	MW-14	09/23/2015	ND	2.0000		
Antimony, total	ug/L	MW-14	04/12/2016	ND	2.0000		
Antimony, total	ug/L	MW-14	10/11/2016	ND	2.0000		
Antimony, total	ug/L	MW-14	04/20/2017	ND	2.0000		
Antimony, total	ug/L	MW-14	10/12/2017	ND	2.0000		
Antimony, total	ug/L	MW-14	04/23/2018	ND	2.0000		
Antimony, total	ug/L	MW-14	10/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-14	04/16/2019	ND	2.0000		
Antimony, total	ug/L	MW-14	10/17/2019	ND	2.0000		
Antimony, total	ug/L	MW-14	04/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-14	10/08/2020	ND	2.0000		
Antimony, total	ug/L	MW-14	04/15/2021	ND	2.0000		
Antimony, total	ug/L	MW-14	10/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-14	04/13/2022	ND	2.0000		
Antimony, total	ug/L	MW-14	10/19/2022	ND	2.0000		
Antimony, total	ug/L	MW-14	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-14	10/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-14	04/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-4	10/14/2014	ND	2.0000		
Antimony, total	ug/L	MW-4	04/13/2015	ND	2.0000		
Antimony, total	ug/L	MW-4	09/23/2015	ND	2.0000		
Antimony, total	ug/L	MW-4	04/12/2016	ND	2.0000		
Antimony, total	ug/L	MW-4	10/11/2016	ND	2.0000		
Antimony, total	ug/L	MW-4	04/20/2017	ND	2.0000		
Antimony, total	ug/L	MW-4	10/12/2017	ND	2.0000		
Antimony, total	ug/L	MW-4	04/23/2018	ND	2.0000		
Antimony, total	ug/L	MW-4	10/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-4	04/16/2019	ND	2.0000		
Antimony, total	ug/L	MW-4	10/17/2019	ND	2.0000		
Antimony, total	ug/L	MW-4	04/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-4	10/08/2020	ND	2.0000		
Antimony, total	ug/L	MW-4	04/15/2021	ND	2.0000		
Antimony, total	ug/L	MW-4	10/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-4	04/13/2022	ND	2.0000		
Antimony, total	ug/L	MW-4	10/19/2022	ND	2.0000		
Antimony, total	ug/L	MW-4	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-4	10/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-4	04/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-5	10/14/2014	ND	2.0000		
Antimony, total	ug/L	MW-5	04/13/2015	ND	2.0000		
Antimony, total	ug/L	MW-5	09/23/2015	ND	2.0000		
Antimony, total	ug/L	MW-5	04/12/2016	ND	2.0000		
Antimony, total	ug/L	MW-5	10/11/2016	ND	2.0000		
Antimony, total	ug/L	MW-5	04/20/2017	ND	2.0000		
Antimony, total	ug/L	MW-5	10/12/2017	ND	2.0000		
Antimony, total	ug/L	MW-5	04/23/2018	ND	2.0000		
Antimony, total	ug/L	MW-5	10/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-5	04/16/2019	ND	2.0000		
Antimony, total	ug/L	MW-5	10/17/2019	ND	2.0000		
Antimony, total	ug/L	MW-5	04/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-5	10/08/2020	ND	2.0000		
Antimony, total	ug/L	MW-5	04/15/2021	ND	2.0000		
Antimony, total	ug/L	MW-5	10/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-5	04/13/2022	ND	2.0000		
Antimony, total	ug/L	MW-5	10/19/2022	ND	2.0000		
Antimony, total	ug/L	MW-5	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-5	10/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-5	04/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-9	10/14/2014	ND	2.0000		
Antimony, total	ug/L	MW-9	01/12/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	04/14/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	07/21/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	09/22/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	04/12/2016	ND	2.0000		
Antimony, total	ug/L	MW-9	10/11/2016	ND	2.0000		
Antimony, total	ug/L	MW-9	04/20/2017	ND	2.0000		
Antimony, total	ug/L	MW-9	10/12/2017	ND	2.0000		
Antimony, total	ug/L	MW-9	04/23/2018	ND	2.0000		
Antimony, total	ug/L	MW-9	10/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-9	04/16/2019	ND	2.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-9	10/17/2019	ND	2.0000		
Antimony, total	ug/L	MW-9	04/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-9	10/08/2020	ND	2.0000		
Antimony, total	ug/L	MW-9	04/15/2021	ND	2.0000		
Antimony, total	ug/L	MW-9	10/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-9	04/13/2022	ND	2.0000		
Antimony, total	ug/L	MW-9	10/19/2022	ND	2.0000		
Antimony, total	ug/L	MW-9	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-9	10/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-9	04/11/2024	ND	2.0000		
Arsenic, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Arsenic, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Arsenic, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Arsenic, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Arsenic, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/06/2023		4.5000		
Arsenic, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Arsenic, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Arsenic, total	ug/L	MW-9	01/12/2015	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Arsenic, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Arsenic, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Barium, total	ug/L	MW-14	10/14/2014		184.0000		
Barium, total	ug/L	MW-14	01/12/2015		169.0000		
Barium, total	ug/L	MW-14	04/13/2015		143.0000		
Barium, total	ug/L	MW-14	07/21/2015		141.0000		
Barium, total	ug/L	MW-14	09/23/2015		185.0000		
Barium, total	ug/L	MW-14	04/12/2016		121.0000		
Barium, total	ug/L	MW-14	10/11/2016		125.0000		
Barium, total	ug/L	MW-14	04/20/2017		140.0000		
Barium, total	ug/L	MW-14	10/12/2017		170.0000		
Barium, total	ug/L	MW-14	04/23/2018		126.0000		
Barium, total	ug/L	MW-14	10/12/2018		128.0000		
Barium, total	ug/L	MW-14	04/16/2019		114.0000		
Barium, total	ug/L	MW-14	10/17/2019		155.0000		
Barium, total	ug/L	MW-14	04/09/2020		117.0000		
Barium, total	ug/L	MW-14	10/08/2020		137.0000		
Barium, total	ug/L	MW-14	04/15/2021		120.0000		
Barium, total	ug/L	MW-14	10/28/2021		102.0000		
Barium, total	ug/L	MW-14	04/13/2022		107.0000		
Barium, total	ug/L	MW-14	10/19/2022		133.0000		
Barium, total	ug/L	MW-14	04/06/2023		117.0000		
Barium, total	ug/L	MW-14	10/10/2023		140.0000		
Barium, total	ug/L	MW-14	04/11/2024		114.0000		
Barium, total	ug/L	MW-4	10/14/2014		141.0000		
Barium, total	ug/L	MW-4	04/13/2015		103.0000		
Barium, total	ug/L	MW-4	09/23/2015		92.5000		
Barium, total	ug/L	MW-4	04/12/2016		66.2000		
Barium, total	ug/L	MW-4	10/11/2016		77.7000		
Barium, total	ug/L	MW-4	04/20/2017		128.0000		
Barium, total	ug/L	MW-4	10/12/2017		83.8000		
Barium, total	ug/L	MW-4	04/23/2018		116.0000		
Barium, total	ug/L	MW-4	10/12/2018		111.0000		
Barium, total	ug/L	MW-4	04/16/2019		71.2000		
Barium, total	ug/L	MW-4	10/17/2019		137.0000		
Barium, total	ug/L	MW-4	04/09/2020		65.3000		
Barium, total	ug/L	MW-4	10/08/2020		75.2000		
Barium, total	ug/L	MW-4	04/15/2021		49.6000		
Barium, total	ug/L	MW-4	10/28/2021		73.2000		
Barium, total	ug/L	MW-4	04/13/2022		63.6000		
Barium, total	ug/L	MW-4	10/19/2022		81.8000		
Barium, total	ug/L	MW-4	04/06/2023		162.0000		
Barium, total	ug/L	MW-4	10/10/2023		67.4000		
Barium, total	ug/L	MW-4	04/11/2024		33.4000		
Barium, total	ug/L	MW-5	10/14/2014		251.0000		
Barium, total	ug/L	MW-5	04/13/2015		272.0000		
Barium, total	ug/L	MW-5	09/23/2015		330.0000		
Barium, total	ug/L	MW-5	11/24/2015		328.0000		
Barium, total	ug/L	MW-5	04/12/2016		167.0000		
Barium, total	ug/L	MW-5	10/11/2016		262.0000		
Barium, total	ug/L	MW-5	04/20/2017		338.0000		
Barium, total	ug/L	MW-5	10/12/2017		276.0000		
Barium, total	ug/L	MW-5	04/23/2018		206.0000		
Barium, total	ug/L	MW-5	10/12/2018		212.0000		
Barium, total	ug/L	MW-5	04/16/2019		193.0000		
Barium, total	ug/L	MW-5	10/17/2019		296.0000		

* - 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-5	04/09/2020		268.0000		
Barium, total	ug/L	MW-5	10/08/2020		268.0000		
Barium, total	ug/L	MW-5	04/15/2021		71.8000		*
Barium, total	ug/L	MW-5	10/28/2021		175.0000		
Barium, total	ug/L	MW-5	04/13/2022		180.0000		
Barium, total	ug/L	MW-5	10/19/2022		250.0000		
Barium, total	ug/L	MW-5	04/06/2023		206.0000		
Barium, total	ug/L	MW-5	10/10/2023		202.0000		
Barium, total	ug/L	MW-5	04/11/2024		71.7000		*
Barium, total	ug/L	MW-9	10/14/2014		114.0000		
Barium, total	ug/L	MW-9	01/12/2015		115.0000		
Barium, total	ug/L	MW-9	04/14/2015		138.0000		
Barium, total	ug/L	MW-9	07/21/2015		111.0000		
Barium, total	ug/L	MW-9	09/22/2015		114.0000		
Barium, total	ug/L	MW-9	04/12/2016		99.2000		
Barium, total	ug/L	MW-9	10/11/2016		106.0000		
Barium, total	ug/L	MW-9	04/20/2017		116.0000		
Barium, total	ug/L	MW-9	10/12/2017		105.0000		
Barium, total	ug/L	MW-9	04/23/2018		110.0000		
Barium, total	ug/L	MW-9	10/12/2018		106.0000		
Barium, total	ug/L	MW-9	04/16/2019		106.0000		
Barium, total	ug/L	MW-9	10/17/2019		113.0000		
Barium, total	ug/L	MW-9	04/09/2020		93.9000		
Barium, total	ug/L	MW-9	10/08/2020		98.7000		
Barium, total	ug/L	MW-9	04/15/2021		93.2000		
Barium, total	ug/L	MW-9	10/28/2021		91.9000		
Barium, total	ug/L	MW-9	04/13/2022		105.0000		
Barium, total	ug/L	MW-9	10/19/2022		102.0000		
Barium, total	ug/L	MW-9	04/06/2023		96.1000		
Barium, total	ug/L	MW-9	10/10/2023		89.8000		
Barium, total	ug/L	MW-9	04/11/2024		95.5000		
Beryllium, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Beryllium, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Beryllium, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Beryllium, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Beryllium, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/14/2014	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-5	04/13/2015	ND	4.0000		
Beryllium, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Beryllium, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Cadmium, total	ug/L	MW-14	10/14/2014	ND	0.8000		
Cadmium, total	ug/L	MW-14	01/12/2015	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/13/2015	ND	0.8000		
Cadmium, total	ug/L	MW-14	07/21/2015	ND	0.8000		
Cadmium, total	ug/L	MW-14	09/23/2015	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/12/2016	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/11/2016	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/20/2017	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/12/2017	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/23/2018		5.3000		
Cadmium, total	ug/L	MW-14	10/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/16/2019	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/17/2019	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/08/2020	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/15/2021	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/13/2022	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/19/2022	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/14/2014	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/13/2015	ND	0.8000		
Cadmium, total	ug/L	MW-4	09/23/2015	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/12/2016	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/11/2016	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/20/2017	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/12/2017	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/23/2018	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/16/2019	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/17/2019	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-4	04/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/08/2020	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/15/2021	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/13/2022	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/19/2022	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/14/2014	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/13/2015	ND	0.8000		
Cadmium, total	ug/L	MW-5	09/23/2015	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/12/2016	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/11/2016	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/20/2017	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/12/2017	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/23/2018	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/16/2019	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/17/2019	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/08/2020	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/15/2021	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/13/2022	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/19/2022	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/06/2023		1.1000		
Cadmium, total	ug/L	MW-5	10/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/14/2014	ND	0.8000		
Cadmium, total	ug/L	MW-9	01/12/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/14/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	07/21/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/22/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/12/2016	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/11/2016	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/20/2017	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/12/2017	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/23/2018	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/16/2019		1.2000		
Cadmium, total	ug/L	MW-9	10/17/2019	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/08/2020	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/15/2021	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/13/2022	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/19/2022		1.3000		
Cadmium, total	ug/L	MW-9	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/11/2024	ND	0.8000		
Chromium, total	ug/L	MW-14	10/14/2014	ND	8.0000		
Chromium, total	ug/L	MW-14	01/12/2015	ND	8.0000		
Chromium, total	ug/L	MW-14	04/13/2015	ND	8.0000		
Chromium, total	ug/L	MW-14	07/21/2015	ND	8.0000		
Chromium, total	ug/L	MW-14	09/23/2015	ND	8.0000		
Chromium, total	ug/L	MW-14	04/12/2016	ND	8.0000		
Chromium, total	ug/L	MW-14	10/11/2016	ND	8.0000		
Chromium, total	ug/L	MW-14	04/20/2017	ND	8.0000		
Chromium, total	ug/L	MW-14	10/12/2017	ND	8.0000		
Chromium, total	ug/L	MW-14	04/23/2018	ND	8.0000		
Chromium, total	ug/L	MW-14	10/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-14	04/16/2019	ND	8.0000		
Chromium, total	ug/L	MW-14	10/17/2019	ND	8.0000		
Chromium, total	ug/L	MW-14	04/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-14	10/08/2020	ND	8.0000		
Chromium, total	ug/L	MW-14	04/15/2021	ND	8.0000		
Chromium, total	ug/L	MW-14	10/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-14	04/13/2022	ND	8.0000		
Chromium, total	ug/L	MW-14	10/19/2022	ND	8.0000		
Chromium, total	ug/L	MW-14	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-14	10/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-14	04/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-4	10/14/2014	ND	8.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium, total	ug/L	MW-4	04/13/2015	ND	8.0000		
Chromium, total	ug/L	MW-4	09/23/2015	ND	8.0000		
Chromium, total	ug/L	MW-4	04/12/2016	ND	8.0000		
Chromium, total	ug/L	MW-4	10/11/2016	ND	8.0000		
Chromium, total	ug/L	MW-4	04/20/2017		9.1000		
Chromium, total	ug/L	MW-4	10/12/2017	ND	8.0000		
Chromium, total	ug/L	MW-4	04/23/2018	ND	8.0000		
Chromium, total	ug/L	MW-4	10/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-4	04/16/2019	ND	8.0000		
Chromium, total	ug/L	MW-4	10/17/2019	ND	8.0000		
Chromium, total	ug/L	MW-4	04/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-4	10/08/2020	ND	8.0000		
Chromium, total	ug/L	MW-4	04/15/2021	ND	8.0000		
Chromium, total	ug/L	MW-4	10/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-4	04/13/2022	ND	8.0000		
Chromium, total	ug/L	MW-4	10/19/2022	ND	8.0000		
Chromium, total	ug/L	MW-4	04/06/2023		8.3000		
Chromium, total	ug/L	MW-4	10/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-4	04/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-5	10/14/2014	ND	8.0000		
Chromium, total	ug/L	MW-5	04/13/2015	ND	8.0000		
Chromium, total	ug/L	MW-5	09/23/2015	ND	8.0000		
Chromium, total	ug/L	MW-5	04/12/2016	ND	8.0000		
Chromium, total	ug/L	MW-5	10/11/2016	ND	8.0000		
Chromium, total	ug/L	MW-5	04/20/2017	ND	8.0000		
Chromium, total	ug/L	MW-5	10/12/2017	ND	8.0000		
Chromium, total	ug/L	MW-5	04/23/2018	ND	8.0000		
Chromium, total	ug/L	MW-5	10/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-5	04/16/2019	ND	8.0000		
Chromium, total	ug/L	MW-5	10/17/2019	ND	8.0000		
Chromium, total	ug/L	MW-5	04/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-5	10/08/2020	ND	8.0000		
Chromium, total	ug/L	MW-5	04/15/2021	ND	8.0000		
Chromium, total	ug/L	MW-5	10/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-5	04/13/2022	ND	8.0000		
Chromium, total	ug/L	MW-5	10/19/2022	ND	8.0000		
Chromium, total	ug/L	MW-5	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-5	10/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-5	04/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-9	10/14/2014	ND	8.0000		
Chromium, total	ug/L	MW-9	01/12/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	04/14/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	07/21/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	09/22/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	04/12/2016	ND	8.0000		
Chromium, total	ug/L	MW-9	10/11/2016	ND	8.0000		
Chromium, total	ug/L	MW-9	04/20/2017	ND	8.0000		
Chromium, total	ug/L	MW-9	10/12/2017	ND	8.0000		
Chromium, total	ug/L	MW-9	04/23/2018	ND	8.0000		
Chromium, total	ug/L	MW-9	10/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-9	04/16/2019	ND	8.0000		
Chromium, total	ug/L	MW-9	10/17/2019	ND	8.0000		
Chromium, total	ug/L	MW-9	04/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-9	10/08/2020	ND	8.0000		
Chromium, total	ug/L	MW-9	04/15/2021	ND	8.0000		
Chromium, total	ug/L	MW-9	10/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-9	04/13/2022	ND	8.0000		
Chromium, total	ug/L	MW-9	10/19/2022	ND	8.0000		
Chromium, total	ug/L	MW-9	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-9	10/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-9	04/11/2024	ND	8.0000		
Cobalt, total	ug/L	MW-14	10/14/2014	ND	0.8000		
Cobalt, total	ug/L	MW-14	01/12/2015	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/13/2015	ND	0.8000		
Cobalt, total	ug/L	MW-14	07/21/2015	ND	0.8000		
Cobalt, total	ug/L	MW-14	09/23/2015	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/12/2016	ND	0.8000		
Cobalt, total	ug/L	MW-14	10/11/2016	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/20/2017	ND	0.8000		
Cobalt, total	ug/L	MW-14	10/12/2017	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/23/2018	ND	0.8000		
Cobalt, total	ug/L	MW-14	10/12/2018	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/16/2019	ND	0.8000		
Cobalt, total	ug/L	MW-14	10/17/2019	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-14	04/09/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/08/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	04/15/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/28/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	04/13/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/19/2022	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-14	04/06/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	04/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	10/14/2014		2.1000		
Cobalt, total	ug/L	MW-4	04/13/2015	ND	0.8000		
Cobalt, total	ug/L	MW-4	09/23/2015	ND	0.8000		
Cobalt, total	ug/L	MW-4	04/12/2016	ND	0.8000		
Cobalt, total	ug/L	MW-4	10/11/2016	ND	0.8000		
Cobalt, total	ug/L	MW-4	04/20/2017		3.3000		
Cobalt, total	ug/L	MW-4	10/12/2017	ND	0.8000		
Cobalt, total	ug/L	MW-4	04/23/2018		2.8000		
Cobalt, total	ug/L	MW-4	10/12/2018		1.4000		
Cobalt, total	ug/L	MW-4	04/16/2019	ND	0.8000		
Cobalt, total	ug/L	MW-4	10/17/2019		2.0000		
Cobalt, total	ug/L	MW-4	04/09/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	10/08/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	04/15/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	10/28/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	04/13/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	10/19/2022	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-4	04/06/2023		3.5000		
Cobalt, total	ug/L	MW-4	10/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	04/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-5	10/14/2014	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/13/2015	ND	0.8000		
Cobalt, total	ug/L	MW-5	09/23/2015	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/12/2016	ND	0.8000		
Cobalt, total	ug/L	MW-5	10/11/2016	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/20/2017	ND	0.8000		
Cobalt, total	ug/L	MW-5	10/12/2017	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/23/2018	ND	0.8000		
Cobalt, total	ug/L	MW-5	10/12/2018	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/16/2019	ND	0.8000		
Cobalt, total	ug/L	MW-5	10/17/2019	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/09/2020		3.4000		
Cobalt, total	ug/L	MW-5	10/08/2020		0.6000		
Cobalt, total	ug/L	MW-5	04/15/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-5	10/28/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-5	04/13/2022		0.4000		
Cobalt, total	ug/L	MW-5	10/19/2022	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-5	04/06/2023		2.7000		
Cobalt, total	ug/L	MW-5	10/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-5	04/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/14/2014	ND	0.8000		
Cobalt, total	ug/L	MW-9	01/12/2015	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/14/2015	ND	0.8000		
Cobalt, total	ug/L	MW-9	07/21/2015	ND	0.8000		
Cobalt, total	ug/L	MW-9	09/22/2015	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/12/2016	ND	0.8000		
Cobalt, total	ug/L	MW-9	10/11/2016	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/20/2017	ND	0.8000		
Cobalt, total	ug/L	MW-9	10/12/2017	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/23/2018	ND	0.8000		
Cobalt, total	ug/L	MW-9	10/12/2018	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/16/2019	ND	0.8000		
Cobalt, total	ug/L	MW-9	10/17/2019	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/09/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/08/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	04/15/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/28/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	04/13/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/19/2022	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-9	04/06/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	04/11/2024	ND	0.4000	0.8000	**
Copper, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Copper, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Copper, total	ug/L	MW-14	04/13/2015	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Copper, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Copper, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Copper, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Copper, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Copper, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Copper, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Copper, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Copper, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Copper, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Copper, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Copper, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Copper, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Copper, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Copper, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Copper, total	ug/L	MW-14	10/19/2022		7.0000		
Copper, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Copper, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Copper, total	ug/L	MW-4	10/14/2014		6.1000		
Copper, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Copper, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Copper, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Copper, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Copper, total	ug/L	MW-4	04/20/2017		5.5000		
Copper, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Copper, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Copper, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Copper, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Copper, total	ug/L	MW-4	10/17/2019		4.3000		
Copper, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Copper, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Copper, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Copper, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Copper, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Copper, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Copper, total	ug/L	MW-4	04/06/2023		9.1000		
Copper, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Copper, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Copper, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Copper, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Copper, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Copper, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Copper, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Copper, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Copper, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Copper, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Copper, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Copper, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Copper, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Copper, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Copper, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Copper, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Copper, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Copper, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Copper, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Copper, total	ug/L	MW-5	04/06/2023		9.6000		
Copper, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Copper, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Copper, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Copper, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Copper, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Copper, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Copper, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Copper, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Copper, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Copper, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Copper, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Copper, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Copper, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Copper, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Copper, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Copper, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Copper, total	ug/L	MW-9	10/08/2020	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Copper, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Copper, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Copper, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Copper, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Copper, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Lead, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Lead, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Lead, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Lead, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Lead, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Lead, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Lead, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Lead, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Lead, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Lead, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Lead, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Lead, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Lead, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Lead, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Lead, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Lead, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Lead, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Lead, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Lead, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Lead, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Lead, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Lead, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Lead, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Lead, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Lead, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Lead, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Lead, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Lead, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Lead, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Lead, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Lead, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Lead, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Lead, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Lead, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Lead, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Lead, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Lead, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Lead, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Lead, total	ug/L	MW-4	04/06/2023		7.6000		
Lead, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Lead, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Lead, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Lead, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Lead, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Lead, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Lead, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Lead, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Lead, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Lead, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Lead, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Lead, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Lead, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Lead, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Lead, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Lead, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Lead, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Lead, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Lead, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Lead, total	ug/L	MW-5	04/06/2023		6.2000		
Lead, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Lead, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Lead, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Lead, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Lead, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Lead, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Lead, total	ug/L	MW-9	09/22/2015	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Lead, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Lead, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Lead, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Lead, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Lead, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Lead, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Lead, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Lead, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Lead, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Lead, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Lead, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Lead, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Lead, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Lead, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Lead, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Nickel, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Nickel, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Nickel, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Nickel, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Nickel, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Nickel, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Nickel, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Nickel, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Nickel, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Nickel, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Nickel, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Nickel, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Nickel, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Nickel, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Nickel, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Nickel, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Nickel, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Nickel, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-4	10/14/2014		6.2000		
Nickel, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Nickel, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Nickel, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Nickel, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Nickel, total	ug/L	MW-4	04/20/2017		9.5000		
Nickel, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Nickel, total	ug/L	MW-4	04/23/2018		4.5000		
Nickel, total	ug/L	MW-4	10/12/2018		4.7000		
Nickel, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Nickel, total	ug/L	MW-4	10/17/2019		6.0000		
Nickel, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Nickel, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Nickel, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Nickel, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Nickel, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Nickel, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Nickel, total	ug/L	MW-4	04/06/2023		9.8000		
Nickel, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-5	10/14/2014		5.9000		
Nickel, total	ug/L	MW-5	04/13/2015		6.3000		
Nickel, total	ug/L	MW-5	09/23/2015		5.7000		
Nickel, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Nickel, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Nickel, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Nickel, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Nickel, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Nickel, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Nickel, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Nickel, total	ug/L	MW-5	04/09/2020		6.8000		
Nickel, total	ug/L	MW-5	10/08/2020		6.6000		
Nickel, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Nickel, total	ug/L	MW-5	10/28/2021	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-5	04/13/2022	ND	4.0000		
Nickel, total	ug/L	MW-5	10/19/2022		5.4000		
Nickel, total	ug/L	MW-5	04/06/2023		13.1000		*
Nickel, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Nickel, total	ug/L	MW-9	01/12/2015		4.0000		
Nickel, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Nickel, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Nickel, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Nickel, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Nickel, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Nickel, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Nickel, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Nickel, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Nickel, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Nickel, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Nickel, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Nickel, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Nickel, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Nickel, total	ug/L	MW-9	10/28/2021		4.2000		
Nickel, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Nickel, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Nickel, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Selenium, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Selenium, total	ug/L	MW-14	04/13/2015		5.1000		
Selenium, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Selenium, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Selenium, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Selenium, total	ug/L	MW-14	10/11/2016		5.5000		
Selenium, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Selenium, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Selenium, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Selenium, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Selenium, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Selenium, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Selenium, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Selenium, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Selenium, total	ug/L	MW-14	10/19/2022		5.5000		
Selenium, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Selenium, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Selenium, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Selenium, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Selenium, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Selenium, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Selenium, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Selenium, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Selenium, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Selenium, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Selenium, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Selenium, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Selenium, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Selenium, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Selenium, total	ug/L	MW-4	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Selenium, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Selenium, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Selenium, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Selenium, total	ug/L	MW-5	10/11/2016	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	
Selenium, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Selenium, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Selenium, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Selenium, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Selenium, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Selenium, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Selenium, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Selenium, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Selenium, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Selenium, total	ug/L	MW-5	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Selenium, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Selenium, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Selenium, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Selenium, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Selenium, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Selenium, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Selenium, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Selenium, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Selenium, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Selenium, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Selenium, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Selenium, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Silver, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Silver, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Silver, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Silver, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Silver, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Silver, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Silver, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Silver, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Silver, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Silver, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Silver, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Silver, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Silver, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Silver, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Silver, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Silver, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Silver, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Silver, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Silver, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Silver, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Silver, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Silver, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Silver, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Silver, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Silver, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Silver, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Silver, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Silver, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Silver, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Silver, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Silver, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Silver, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Silver, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Silver, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Silver, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Silver, total	ug/L	MW-4	10/28/2021	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Silver, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Silver, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Silver, total	ug/L	MW-4	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Silver, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Silver, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Silver, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Silver, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Silver, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Silver, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Silver, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Silver, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Silver, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Silver, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Silver, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Silver, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Silver, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Silver, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Silver, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Silver, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Silver, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Silver, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Silver, total	ug/L	MW-5	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Silver, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Silver, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Silver, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Silver, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Silver, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Silver, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Silver, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Silver, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Silver, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Silver, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Silver, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Silver, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Silver, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Silver, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Silver, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Silver, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Silver, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Silver, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Silver, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Silver, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Silver, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Silver, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Thallium, total	ug/L	MW-14	10/14/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	01/12/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/13/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	07/21/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	09/23/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/12/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	10/11/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/20/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	10/12/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/23/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	10/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/16/2019	ND	2.0000		
Thallium, total	ug/L	MW-14	10/17/2019	ND	2.0000		
Thallium, total	ug/L	MW-14	04/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-14	10/08/2020	ND	2.0000		
Thallium, total	ug/L	MW-14	04/15/2021	ND	2.0000		
Thallium, total	ug/L	MW-14	10/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-14	04/13/2022	ND	2.0000		
Thallium, total	ug/L	MW-14	10/19/2022	ND	2.0000		
Thallium, total	ug/L	MW-14	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-14	10/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-14	04/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-4	10/14/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/13/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	09/23/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/12/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	10/11/2016	ND	4.0000	2.0000	**

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-4	04/20/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	10/12/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/23/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	10/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/16/2019	ND	2.0000		
Thallium, total	ug/L	MW-4	10/17/2019	ND	2.0000		
Thallium, total	ug/L	MW-4	04/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-4	10/08/2020	ND	2.0000		
Thallium, total	ug/L	MW-4	04/15/2021	ND	2.0000		
Thallium, total	ug/L	MW-4	10/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-4	04/13/2022	ND	2.0000		
Thallium, total	ug/L	MW-4	10/19/2022	ND	2.0000		
Thallium, total	ug/L	MW-4	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-4	10/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-4	04/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-5	10/14/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/13/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	09/23/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/12/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	10/11/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/20/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	10/12/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/23/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	10/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/16/2019	ND	2.0000		
Thallium, total	ug/L	MW-5	10/17/2019	ND	2.0000		
Thallium, total	ug/L	MW-5	04/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-5	10/08/2020	ND	2.0000		
Thallium, total	ug/L	MW-5	04/15/2021	ND	2.0000		
Thallium, total	ug/L	MW-5	10/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-5	04/13/2022	ND	2.0000		
Thallium, total	ug/L	MW-5	10/19/2022	ND	2.0000		
Thallium, total	ug/L	MW-5	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-5	10/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-5	04/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-9	10/14/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	01/12/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/14/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	07/21/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	09/22/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/12/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	10/11/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/20/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	10/12/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/23/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	10/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/16/2019	ND	2.0000		
Thallium, total	ug/L	MW-9	10/17/2019	ND	2.0000		
Thallium, total	ug/L	MW-9	04/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-9	10/08/2020	ND	2.0000		
Thallium, total	ug/L	MW-9	04/15/2021	ND	2.0000		
Thallium, total	ug/L	MW-9	10/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-9	04/13/2022	ND	2.0000		
Thallium, total	ug/L	MW-9	10/19/2022	ND	2.0000		
Thallium, total	ug/L	MW-9	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-9	10/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-9	04/11/2024	ND	2.0000		
Vanadium, total	ug/L	MW-14	10/14/2014	ND	20.0000		
Vanadium, total	ug/L	MW-14	01/12/2015	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/13/2015	ND	20.0000		
Vanadium, total	ug/L	MW-14	07/21/2015	ND	20.0000		
Vanadium, total	ug/L	MW-14	09/23/2015	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/12/2016	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/11/2016	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/20/2017	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/12/2017	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/23/2018	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/16/2019	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/17/2019	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/08/2020	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/15/2021	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/28/2021	ND	20.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-14	04/13/2022	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/19/2022	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/14/2014	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/13/2015	ND	20.0000		
Vanadium, total	ug/L	MW-4	09/23/2015	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/12/2016	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/11/2016	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/20/2017	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/12/2017	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/23/2018	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/16/2019	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/17/2019	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/08/2020	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/15/2021	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/13/2022	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/19/2022	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/14/2014	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/13/2015	ND	20.0000		
Vanadium, total	ug/L	MW-5	09/23/2015	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/12/2016	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/11/2016	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/20/2017	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/12/2017	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/23/2018	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/16/2019	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/17/2019	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/08/2020	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/15/2021	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/13/2022	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/19/2022	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/14/2014	ND	20.0000		
Vanadium, total	ug/L	MW-9	01/12/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/14/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	07/21/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/22/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/12/2016	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/11/2016	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/20/2017	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/12/2017	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/23/2018	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/16/2019	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/17/2019	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/08/2020	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/15/2021	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/13/2022	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/19/2022	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-14	10/14/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	01/12/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	04/13/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	07/21/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	09/23/2015	ND	20.0000		
Zinc, total	ug/L	MW-14	04/12/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	10/11/2016	ND	8.0000	20.0000	**

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-14	04/20/2017	ND	20.0000		
Zinc, total	ug/L	MW-14	10/12/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	04/23/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	10/12/2018		16.1000		
Zinc, total	ug/L	MW-14	04/16/2019	ND	20.0000		
Zinc, total	ug/L	MW-14	10/17/2019	ND	20.0000		
Zinc, total	ug/L	MW-14	04/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-14	10/08/2020	ND	20.0000		
Zinc, total	ug/L	MW-14	04/15/2021	ND	20.0000		
Zinc, total	ug/L	MW-14	10/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-14	04/13/2022	ND	20.0000		
Zinc, total	ug/L	MW-14	10/19/2022	ND	20.0000		
Zinc, total	ug/L	MW-14	04/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-14	10/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-14	04/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-4	10/14/2014		40.0000		
Zinc, total	ug/L	MW-4	01/12/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-4	04/13/2015		12.4000		
Zinc, total	ug/L	MW-4	09/23/2015		10.3000		
Zinc, total	ug/L	MW-4	04/12/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-4	10/11/2016		11.9000		
Zinc, total	ug/L	MW-4	01/17/2017		58.9000		
Zinc, total	ug/L	MW-4	04/20/2017		57.6000		
Zinc, total	ug/L	MW-4	10/12/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-4	04/23/2018		159.0000		
Zinc, total	ug/L	MW-4	10/12/2018		237.0000		
Zinc, total	ug/L	MW-4	04/16/2019	ND	20.0000		
Zinc, total	ug/L	MW-4	10/17/2019		130.0000		
Zinc, total	ug/L	MW-4	04/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-4	10/08/2020	ND	20.0000		
Zinc, total	ug/L	MW-4	04/15/2021	ND	20.0000		
Zinc, total	ug/L	MW-4	10/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-4	04/13/2022	ND	20.0000		
Zinc, total	ug/L	MW-4	10/19/2022		216.0000		
Zinc, total	ug/L	MW-4	04/06/2023		627.0000		*
Zinc, total	ug/L	MW-4	10/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-4	04/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-5	10/14/2014		24.7000		
Zinc, total	ug/L	MW-5	04/13/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	09/23/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	04/12/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	10/11/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	04/20/2017		16.5000		
Zinc, total	ug/L	MW-5	10/12/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	04/23/2018		15.2000		
Zinc, total	ug/L	MW-5	10/12/2018		20.3000		
Zinc, total	ug/L	MW-5	04/16/2019	ND	20.0000		
Zinc, total	ug/L	MW-5	10/17/2019		83.1000		*
Zinc, total	ug/L	MW-5	04/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-5	10/08/2020	ND	20.0000		
Zinc, total	ug/L	MW-5	04/15/2021	ND	20.0000		
Zinc, total	ug/L	MW-5	10/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-5	04/13/2022	ND	20.0000		
Zinc, total	ug/L	MW-5	10/19/2022	ND	20.0000		
Zinc, total	ug/L	MW-5	04/06/2023		411.0000		*
Zinc, total	ug/L	MW-5	10/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-5	04/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-9	10/14/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	01/12/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	04/14/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	07/21/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	09/23/2015	ND	20.0000		
Zinc, total	ug/L	MW-9	04/12/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	10/11/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	04/20/2017	ND	20.0000		
Zinc, total	ug/L	MW-9	10/12/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	04/23/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	10/12/2018		9.0000		
Zinc, total	ug/L	MW-9	04/16/2019	ND	20.0000		
Zinc, total	ug/L	MW-9	10/17/2019		29.9000		
Zinc, total	ug/L	MW-9	04/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-9	10/08/2020	ND	20.0000		
Zinc, total	ug/L	MW-9	04/15/2021	ND	20.0000		
Zinc, total	ug/L	MW-9	10/28/2021	ND	20.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-9	04/13/2022	ND	20.0000		
Zinc, total	ug/L	MW-9	10/19/2022	ND	20.0000		
Zinc, total	ug/L	MW-9	04/06/2023		21.3000		
Zinc, total	ug/L	MW-9	10/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-9	04/11/2024	ND	20.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result	Pred. Limit
Antimony, total	ug/L	MW-11	04/11/2024	ND	2.0000	2.5000
Antimony, total	ug/L	MW-12	04/11/2024	ND	2.0000	2.5000
Antimony, total	ug/L	MW-15	04/11/2024	ND	2.0000	2.5000
Antimony, total	ug/L	MW-16	04/11/2024	ND	2.0000	2.5000
Arsenic, total	ug/L	MW-11	04/11/2024	ND	4.0000	4.5000
Arsenic, total	ug/L	MW-12	04/11/2024	ND	4.0000	4.5000
Arsenic, total	ug/L	MW-15	04/11/2024	ND	4.0000	4.5000
Arsenic, total	ug/L	MW-16	04/11/2024	ND	4.0000	4.5000
Barium, total	ug/L	MW-11	04/11/2024		16.0000	304.2772
Barium, total	ug/L	MW-12	04/11/2024		135.0000	304.2772
Barium, total	ug/L	MW-15	04/11/2024		18.1000	304.2772
Barium, total	ug/L	MW-16	04/11/2024		39.1000	304.2772
Beryllium, total	ug/L	MW-11	04/11/2024	ND	4.0000	4.0000
Beryllium, total	ug/L	MW-12	04/11/2024	ND	4.0000	4.0000
Beryllium, total	ug/L	MW-15	04/11/2024	ND	4.0000	4.0000
Beryllium, total	ug/L	MW-16	04/11/2024	ND	4.0000	4.0000
Cadmium, total	ug/L	MW-11	04/11/2024	ND	0.8000	5.3000
Cadmium, total	ug/L	MW-12	04/11/2024	ND	0.8000	5.3000
Cadmium, total	ug/L	MW-15	04/11/2024	ND	0.8000	5.3000
Cadmium, total	ug/L	MW-16	04/11/2024	ND	0.8000	5.3000
Chromium, total	ug/L	MW-11	04/11/2024	ND	8.0000	9.1000
Chromium, total	ug/L	MW-12	04/11/2024	ND	8.0000	9.1000
Chromium, total	ug/L	MW-15	04/11/2024	ND	8.0000	9.1000
Chromium, total	ug/L	MW-16	04/11/2024	ND	8.0000	9.1000
Cobalt, total	ug/L	MW-11	04/11/2024	ND	0.4000	3.5000
Cobalt, total	ug/L	MW-12	04/11/2024	ND	0.4000	3.5000
Cobalt, total	ug/L	MW-15	04/11/2024	ND	0.4000	3.5000
Cobalt, total	ug/L	MW-16	04/11/2024	ND	0.4000	3.5000
Copper, total	ug/L	MW-11	04/11/2024	ND	4.0000	9.6000
Copper, total	ug/L	MW-12	04/11/2024	ND	4.0000	9.6000
Copper, total	ug/L	MW-15	04/11/2024	ND	4.0000	9.6000
Copper, total	ug/L	MW-16	04/11/2024	ND	4.0000	9.6000
Lead, total	ug/L	MW-11	04/11/2024	ND	4.0000	7.6000
Lead, total	ug/L	MW-12	04/11/2024	ND	4.0000	7.6000
Lead, total	ug/L	MW-15	04/11/2024	ND	4.0000	7.6000
Lead, total	ug/L	MW-16	04/11/2024	ND	4.0000	7.6000
Nickel, total	ug/L	MW-11	04/11/2024	ND	4.0000	9.8000
Nickel, total	ug/L	MW-12	04/11/2024	ND	4.0000	9.8000
Nickel, total	ug/L	MW-15	04/11/2024	ND	4.0000	9.8000
Nickel, total	ug/L	MW-16	04/11/2024	ND	4.0000	9.8000
Selenium, total	ug/L	MW-11	04/11/2024	ND	4.0000	5.5000
Selenium, total	ug/L	MW-12	04/11/2024	ND	4.0000	5.5000
Selenium, total	ug/L	MW-15	04/11/2024	ND	4.0000	5.5000
Selenium, total	ug/L	MW-16	04/11/2024	ND	4.0000	5.5000
Silver, total	ug/L	MW-11	04/11/2024	ND	4.0000	4.0000
Silver, total	ug/L	MW-12	04/11/2024	ND	4.0000	4.0000
Silver, total	ug/L	MW-15	04/11/2024	ND	4.0000	4.0000
Silver, total	ug/L	MW-16	04/11/2024	ND	4.0000	4.0000
Thallium, total	ug/L	MW-11	04/11/2024	ND	2.0000	2.0000
Thallium, total	ug/L	MW-12	04/11/2024	ND	2.0000	2.0000
Thallium, total	ug/L	MW-15	04/11/2024	ND	2.0000	2.0000
Thallium, total	ug/L	MW-16	04/11/2024	ND	2.0000	2.0000
Vanadium, total	ug/L	MW-11	04/11/2024	ND	20.0000	20.0000
Vanadium, total	ug/L	MW-12	04/11/2024	ND	20.0000	20.0000
Vanadium, total	ug/L	MW-15	04/11/2024	ND	20.0000	20.0000
Vanadium, total	ug/L	MW-16	04/11/2024	ND	20.0000	20.0000
Zinc, total	ug/L	MW-11	04/11/2024	ND	20.0000	237.0000
Zinc, total	ug/L	MW-12	04/11/2024	ND	20.0000	237.0000
Zinc, total	ug/L	MW-15	04/11/2024	ND	20.0000	237.0000
Zinc, total	ug/L	MW-16	04/11/2024	ND	20.0000	237.0000

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

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	1	84	0.012	2	106	0.019
Arsenic, total	1	84	0.012	7	107	0.065
Barium, total	83	83	1.000	106	106	1.000
Beryllium, total	0	84	0.000	0	106	0.000
Cadmium, total	4	84	0.048	11	107	0.103
Chromium, total	2	84	0.024	12	106	0.113
Cobalt, total	10	84	0.119	22	106	0.208
Copper, total	6	84	0.071	32	107	0.299
Lead, total	2	84	0.024	19	106	0.179
Nickel, total	14	83	0.169	43	109	0.394
Selenium, total	3	84	0.036	4	106	0.038
Silver, total	0	84	0.000	0	106	0.000
Thallium, total	0	84	0.000	3	106	0.028
Vanadium, total	0	84	0.000	7	106	0.066
Zinc, total	18	83	0.217	41	108	0.380

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	1	84	0.012									nonpar
Arsenic, total	1	84	0.012									nonpar
Barium, total	83	83	1.000	2.065	0.756					2.326	normal	normal
Beryllium, total	0	84	0.000									nonpar
Cadmium, total	4	84	0.048									nonpar
Chromium, total	2	84	0.024									nonpar
Cobalt, total	10	84	0.119	0.132	0.200					2.326	normal	nonpar
Copper, total	6	84	0.071	0.105	0.895					2.326	normal	nonpar
Lead, total	2	84	0.024									nonpar
Nickel, total	14	83	0.169	0.124	0.164					2.326	normal	nonpar
Selenium, total	3	84	0.036	0.495	0.495					2.326	normal	nonpar
Silver, total	0	84	0.000									nonpar
Thallium, total	0	84	0.000									nonpar
Vanadium, total	0	84	0.000									nonpar
Zinc, total	18	83	0.217	0.132	0.220					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	1	84					2.5000	nonpar		0.99
Arsenic, total	ug/L	1	84					4.5000	nonpar		0.99
Barium, total	ug/L	83	83	142.0024	67.9848	0.0100	2.3869	304.2772	normal		
Beryllium, total	ug/L	0	84					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	4	84					5.3000	nonpar		0.99
Chromium, total	ug/L	2	84					9.1000	nonpar		0.99
Cobalt, total	ug/L	10	84					3.5000	nonpar		0.99
Copper, total	ug/L	6	84					9.6000	nonpar		0.99
Lead, total	ug/L	2	84					7.6000	nonpar		0.99
Nickel, total	ug/L	14	83					9.8000	nonpar		0.99
Selenium, total	ug/L	3	84					5.5000	nonpar		0.99
Silver, total	ug/L	0	84					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	84					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	0	84					20.0000	nonpar	***	0.99
Zinc, total	ug/L	18	83					237.0000	nonpar		0.99

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

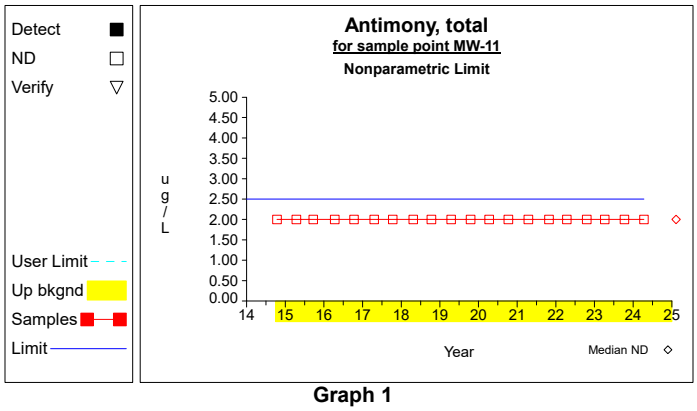
Table 6

Dixon's Test Outliers
1% Significance Level

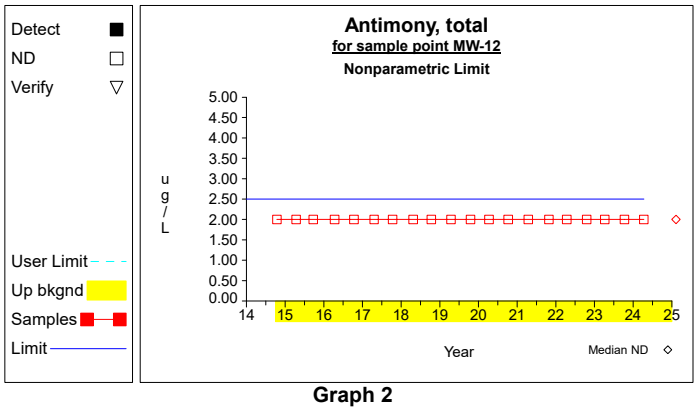
Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Barium, total	ug/L	MW-5	04/15/2021	71.8000		10/14/2014-04/11/2024	21	0.5381
Barium, total	ug/L	MW-5	04/11/2024	71.7000		10/14/2014-04/11/2024	21	0.5381
Nickel, total	ug/L	MW-5	04/06/2023	13.1000		10/14/2014-04/11/2024	20	0.5381
Zinc, total	ug/L	MW-5	10/17/2019	83.1000		10/14/2014-04/11/2024	20	0.5503
Zinc, total	ug/L	MW-5	04/06/2023	411.0000		10/14/2014-04/11/2024	20	0.5503

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

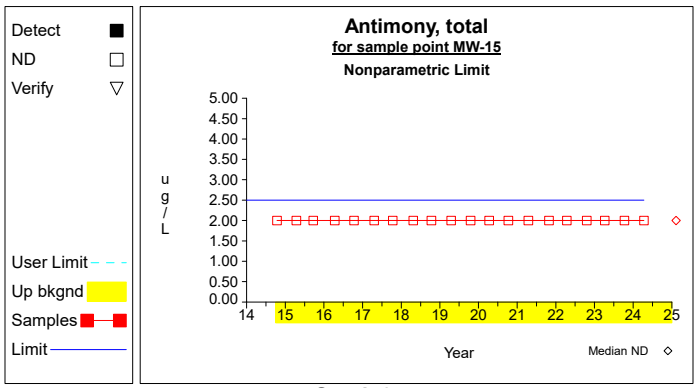
Up vs. Down Prediction Limits



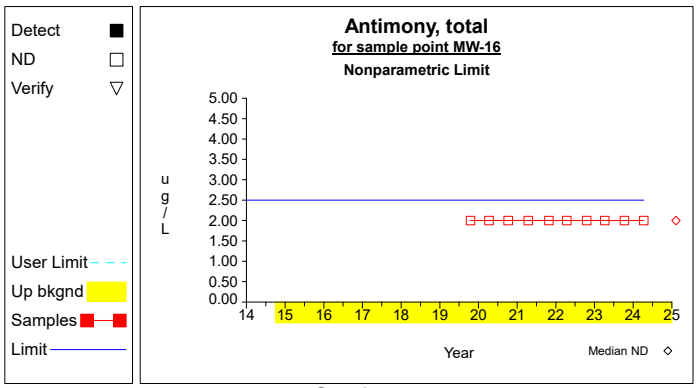
Graph 1



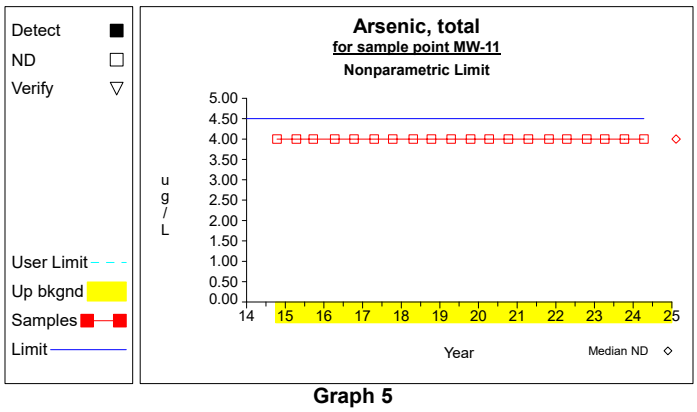
Graph 2



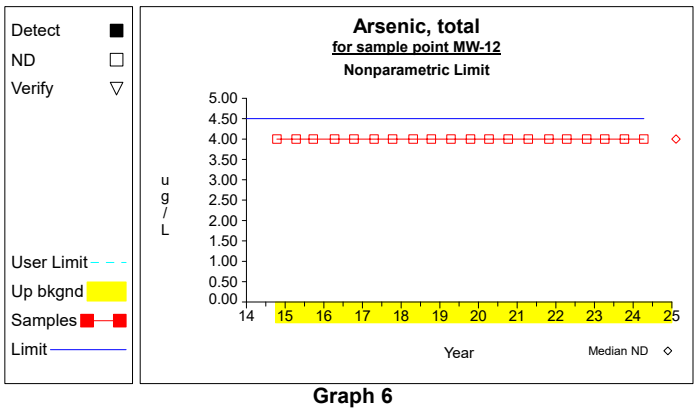
Graph 3



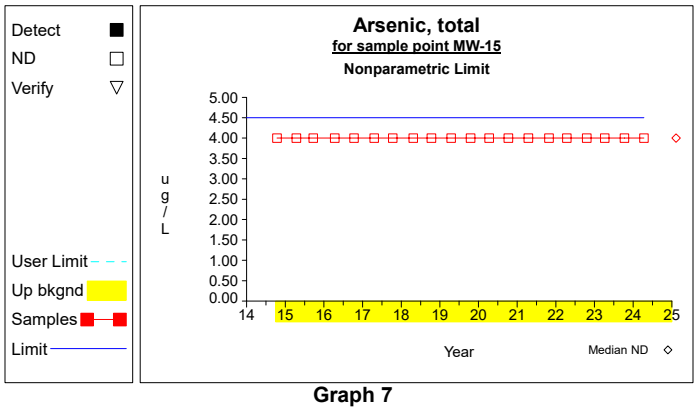
Graph 4



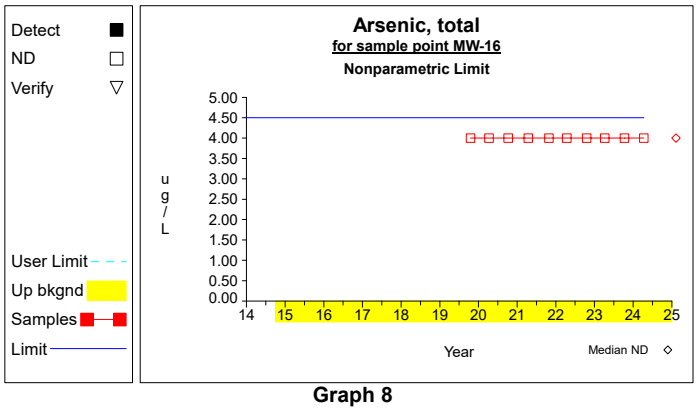
Graph 5



Graph 6



Graph 7



Graph 8

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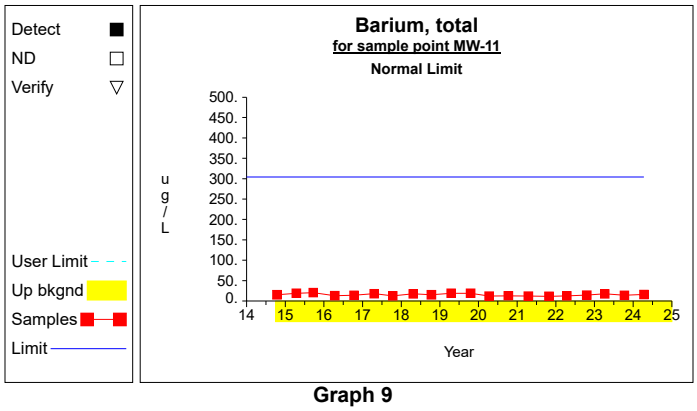
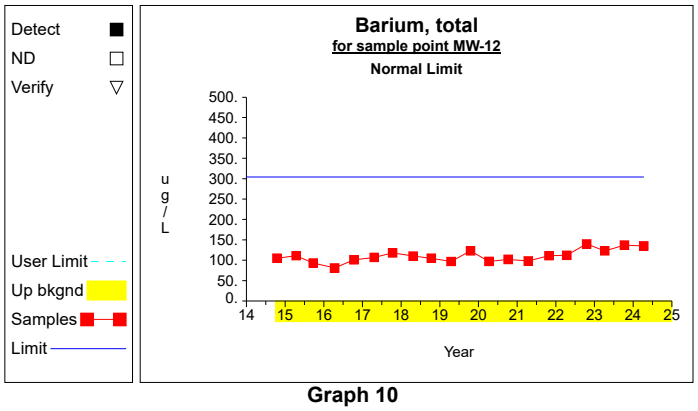
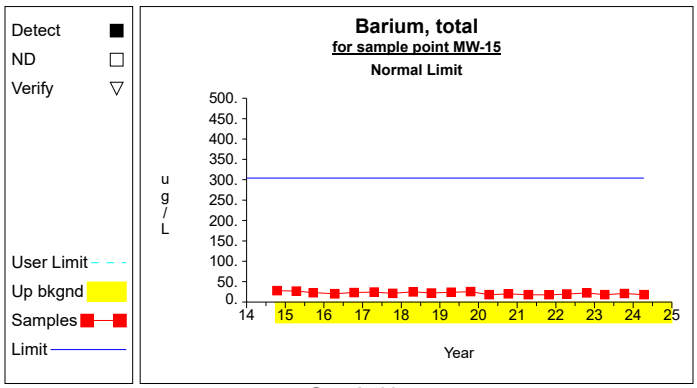
Up vs. Down Prediction Limits



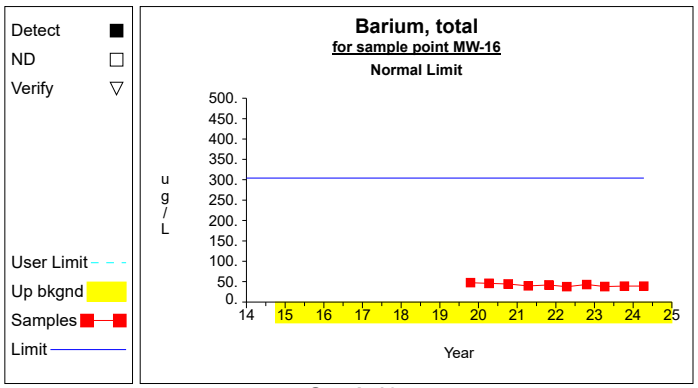
Graph 9



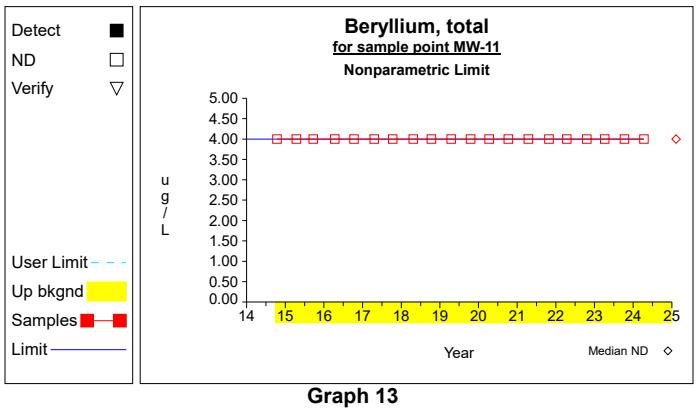
Graph 10



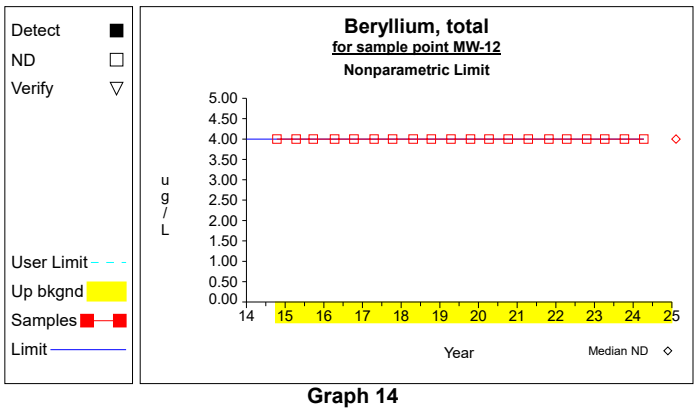
Graph 11



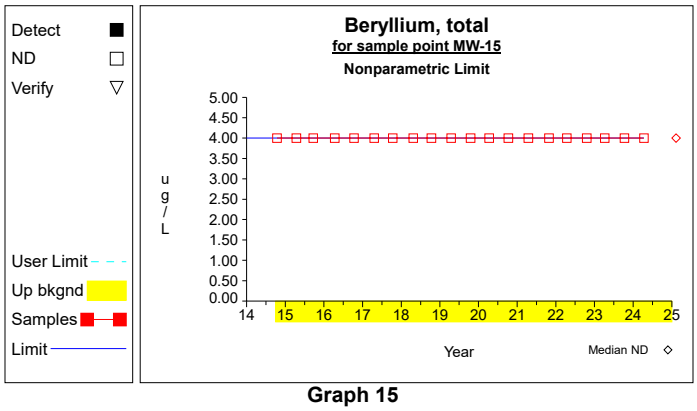
Graph 12



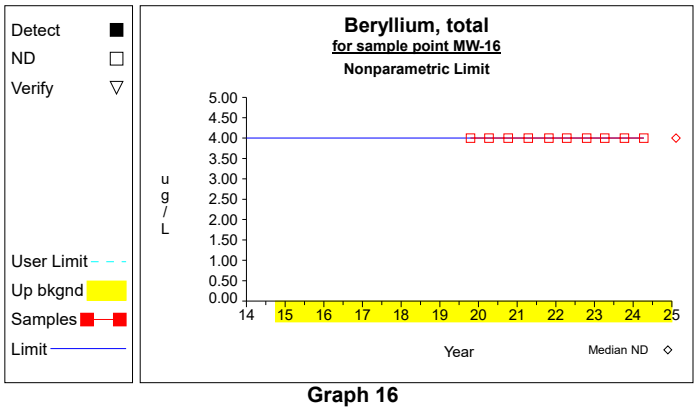
Graph 13



Graph 14



Graph 15



Graph 16

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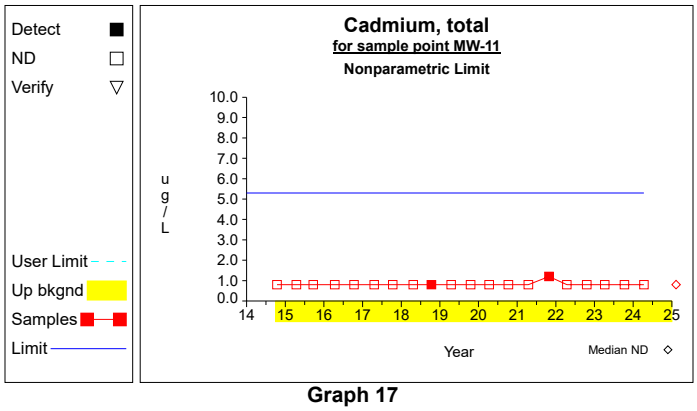
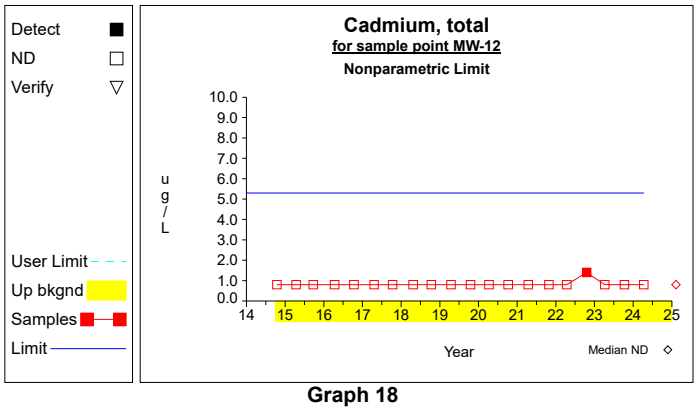
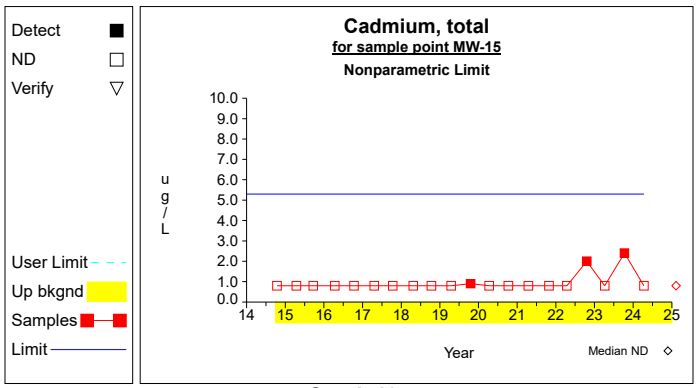
Up vs. Down Prediction Limits



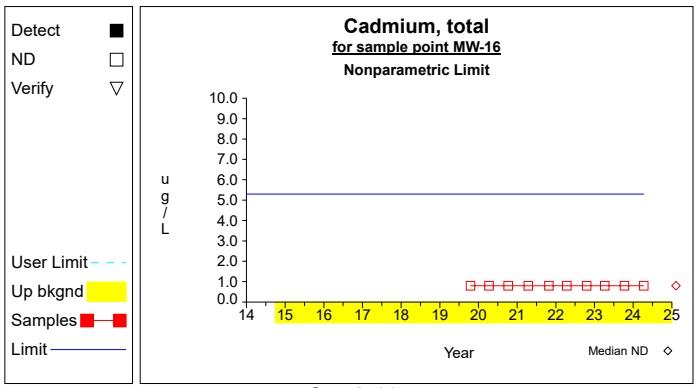
Graph 17



Graph 18



Graph 19



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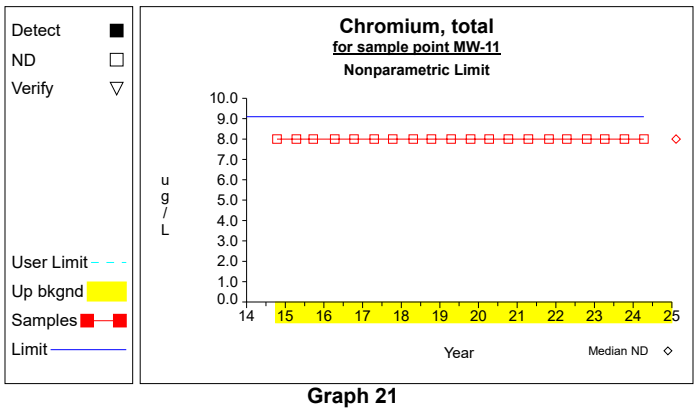

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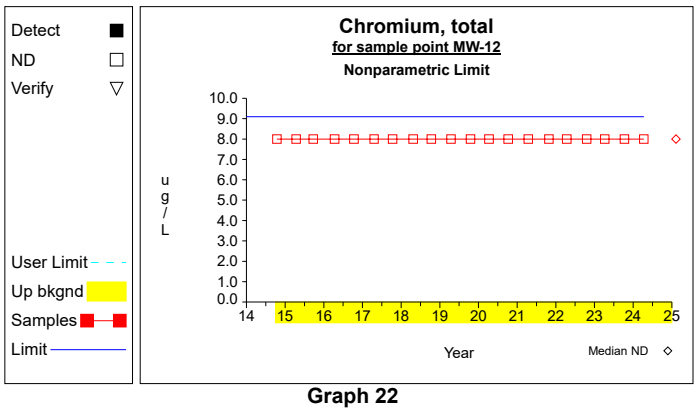
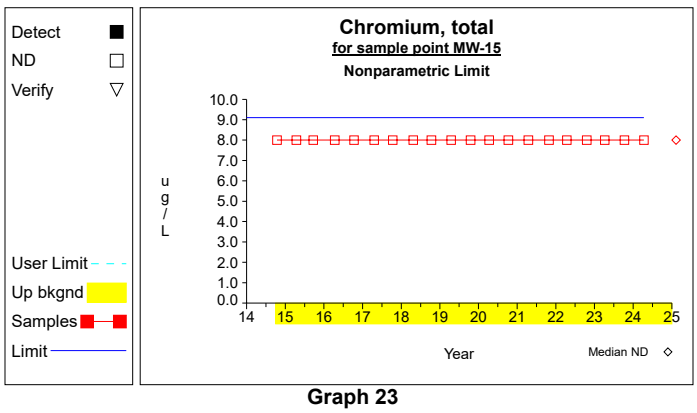


Graph 22



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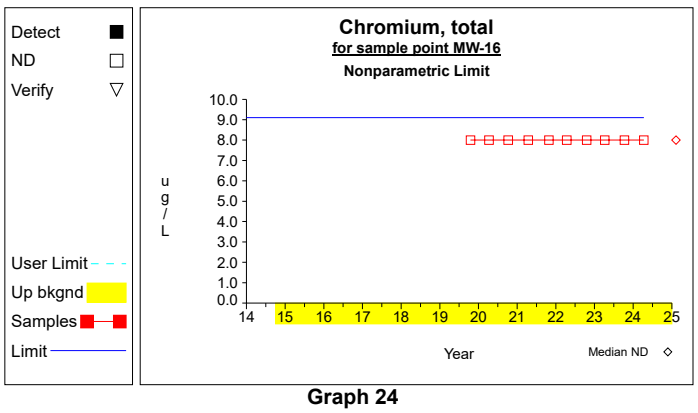

Graph 24

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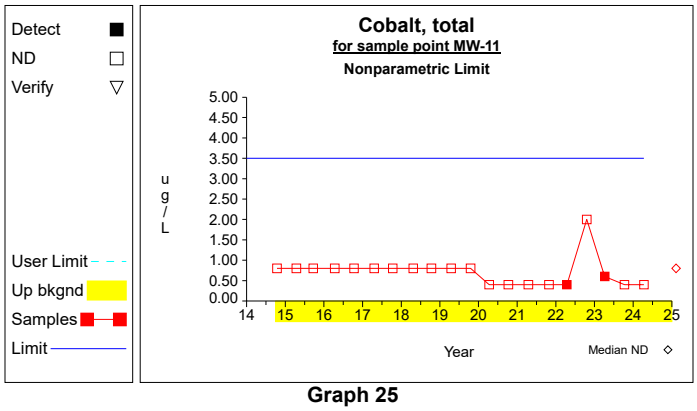
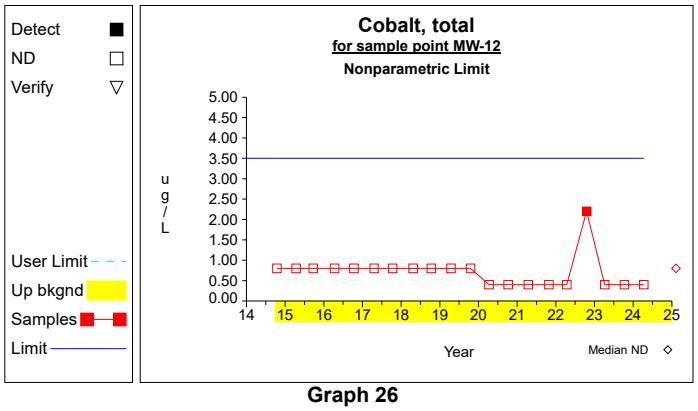
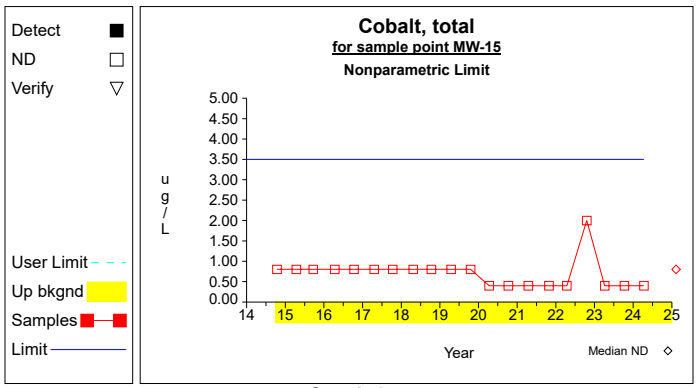
Up vs. Down Prediction Limits



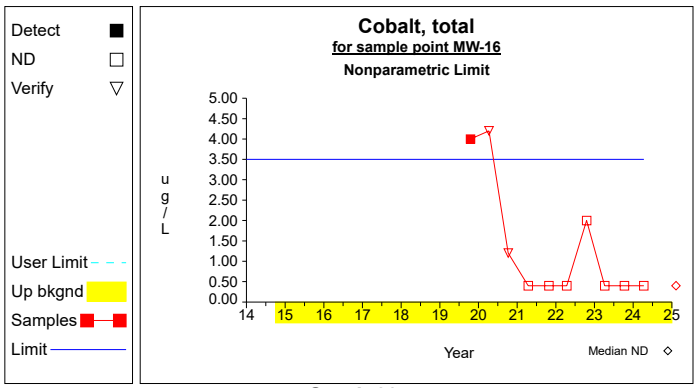
Graph 25



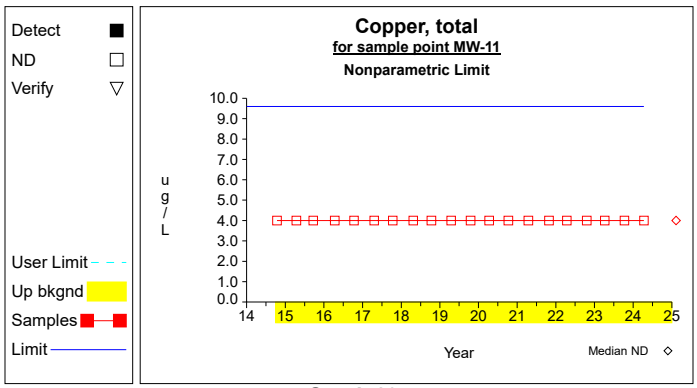
Graph 26



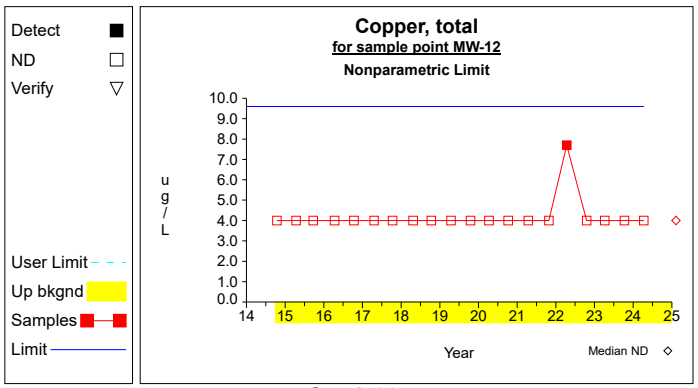
Graph 27



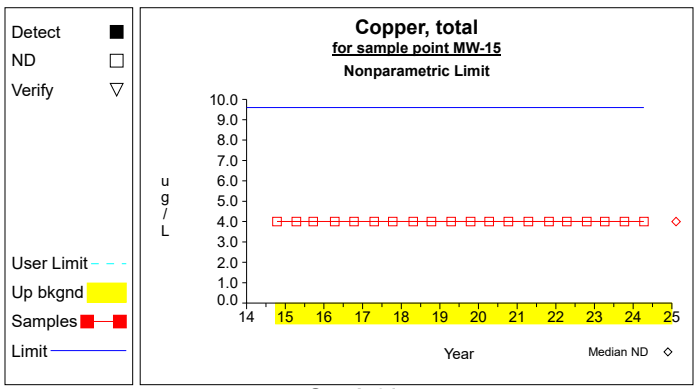
Graph 28



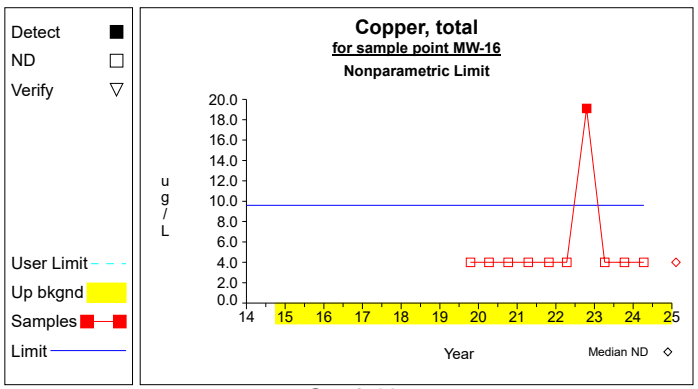
Graph 29



Graph 30



Graph 31



Graph 32

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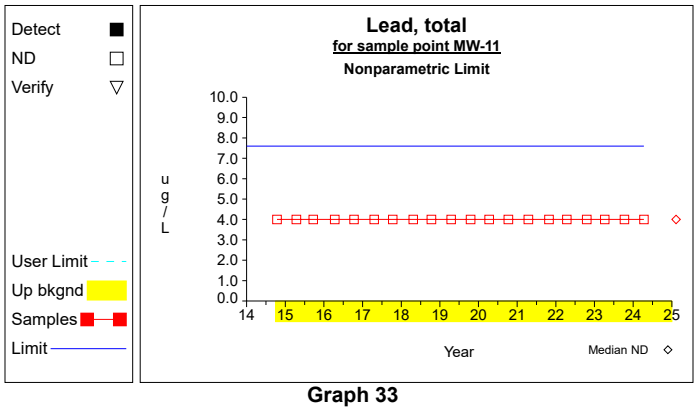
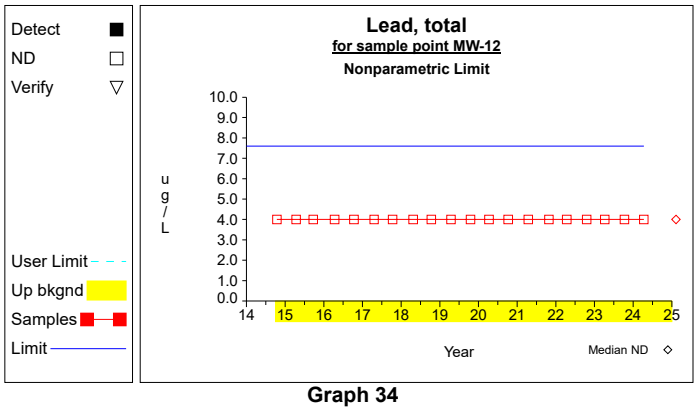
Up vs. Down Prediction Limits



Graph 33



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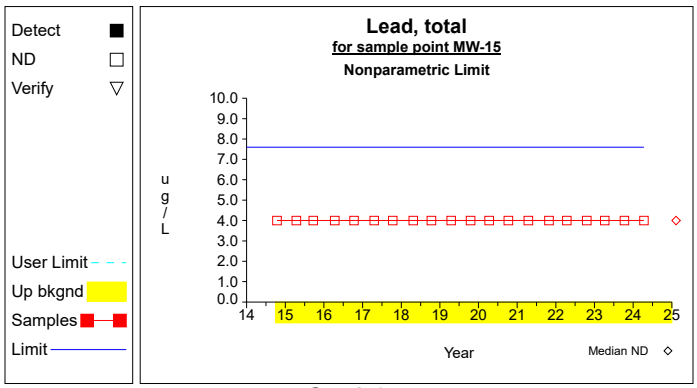

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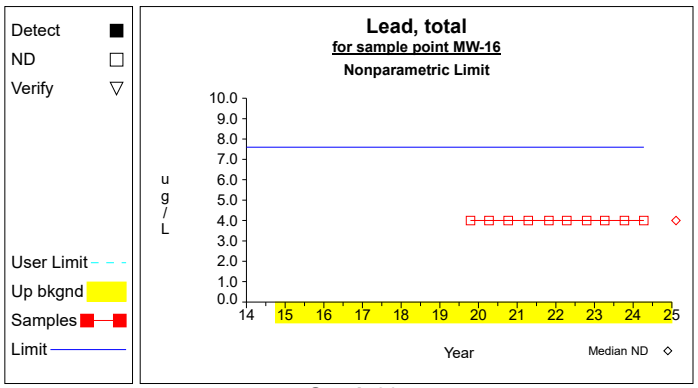

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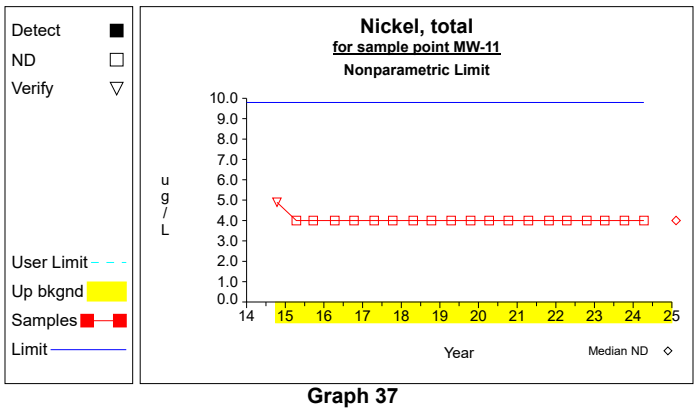

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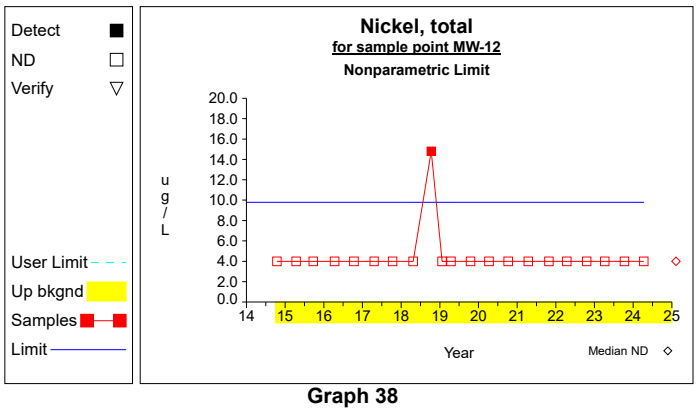

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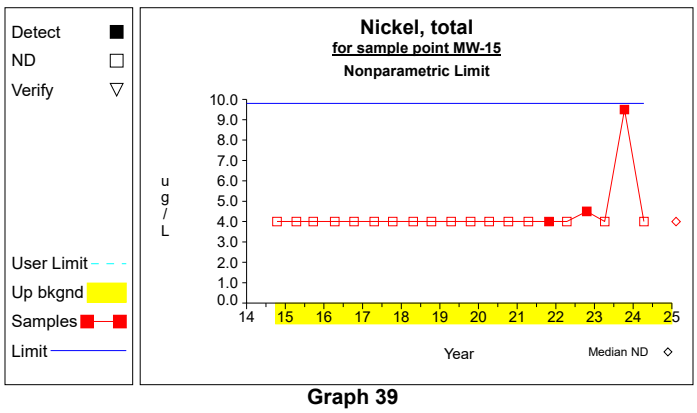

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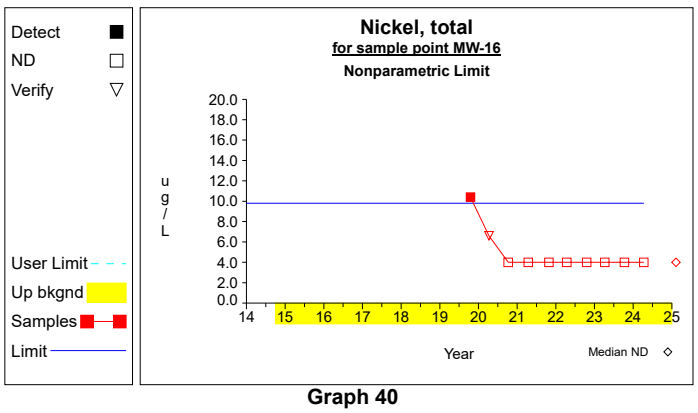
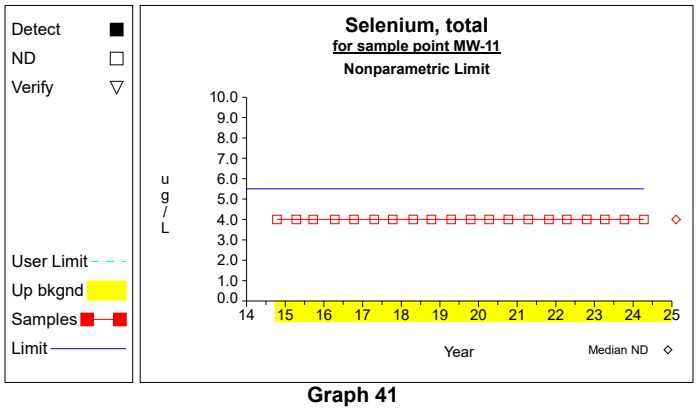


Graph 40

Prepared by: Otter Creek Environmental

Up vs. Down Prediction Limits



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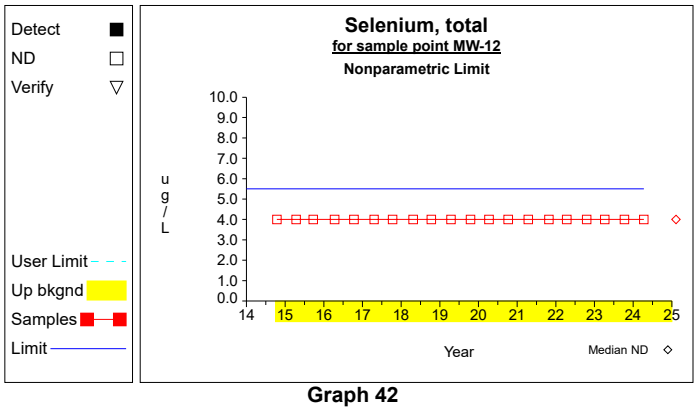

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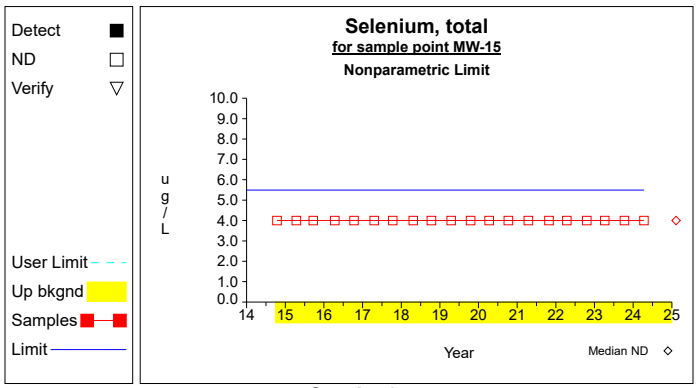

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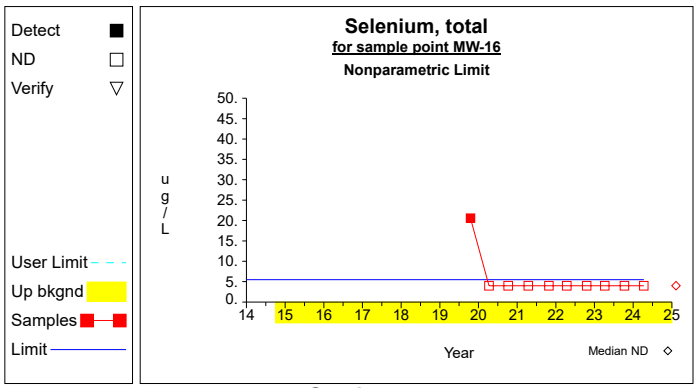

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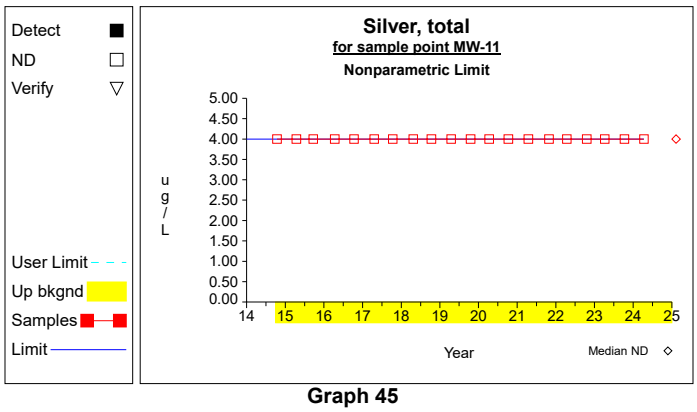

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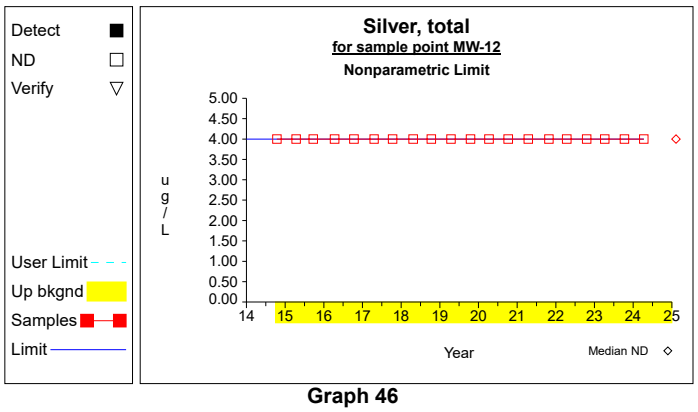

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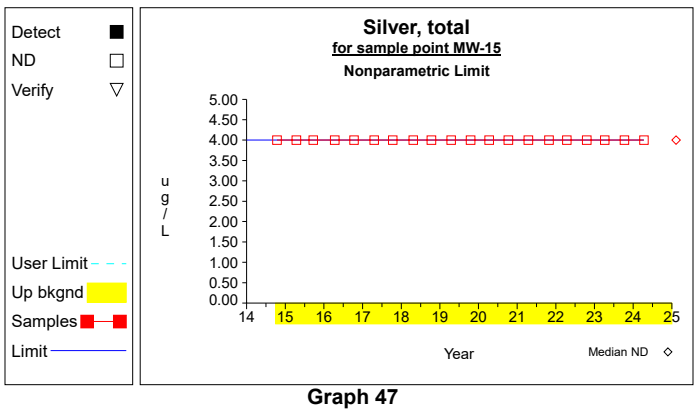

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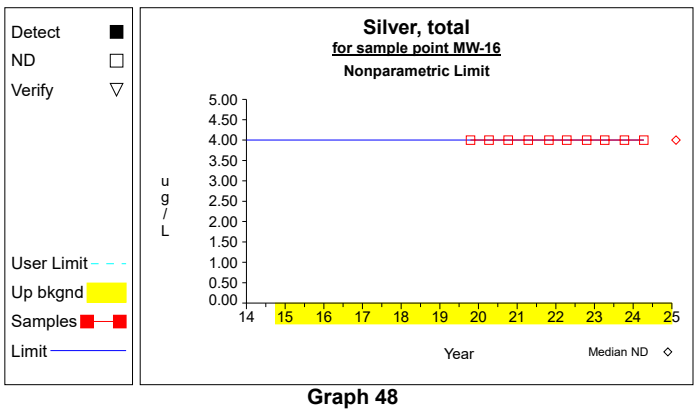
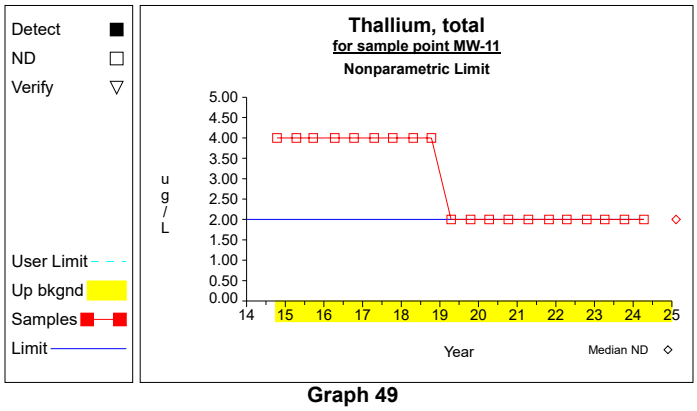


Graph 48

Prepared by: Otter Creek Environmental

Up vs. Down Prediction Limits



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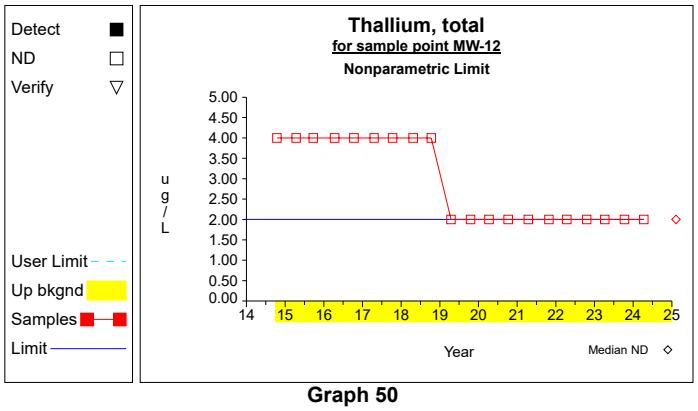

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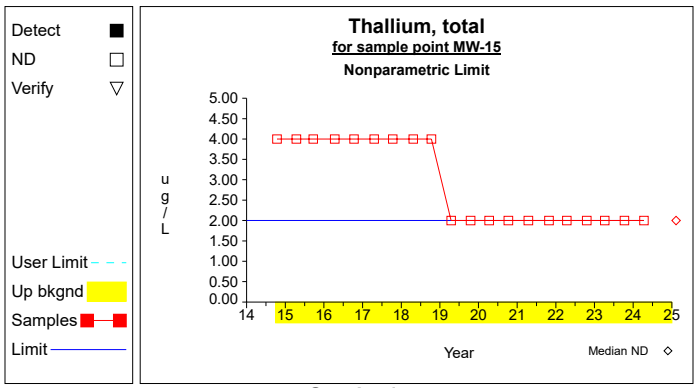
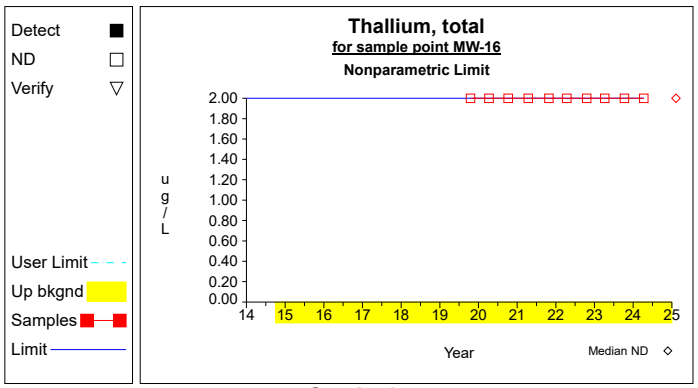


Graph 51



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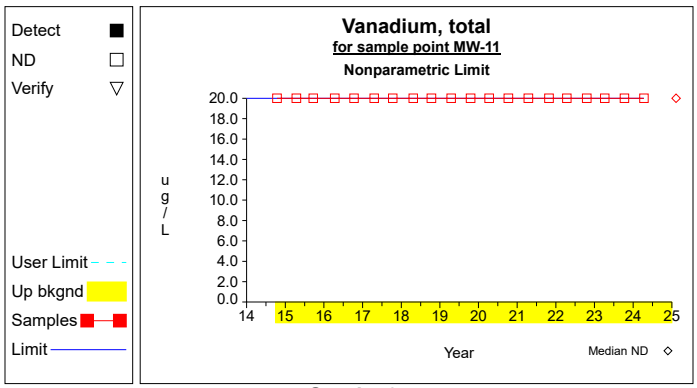

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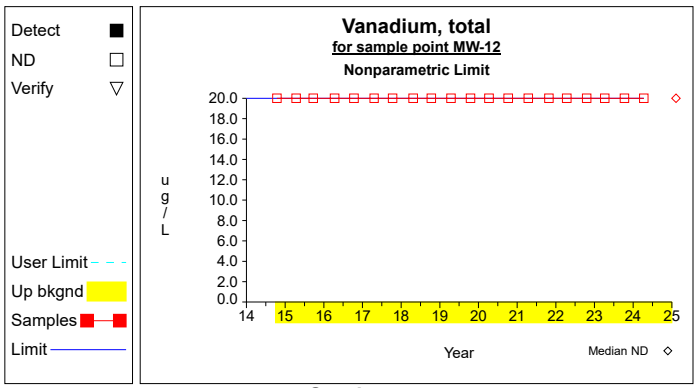
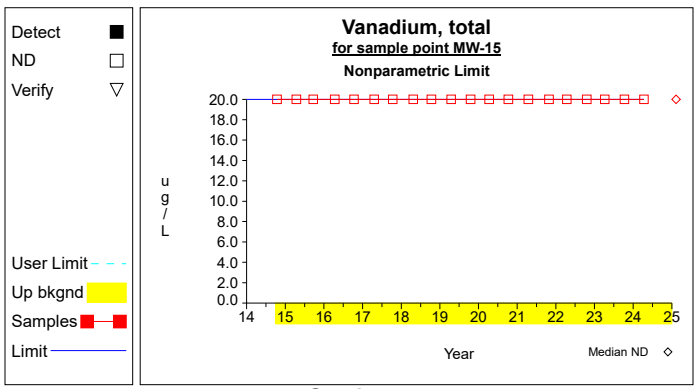


Graph 54



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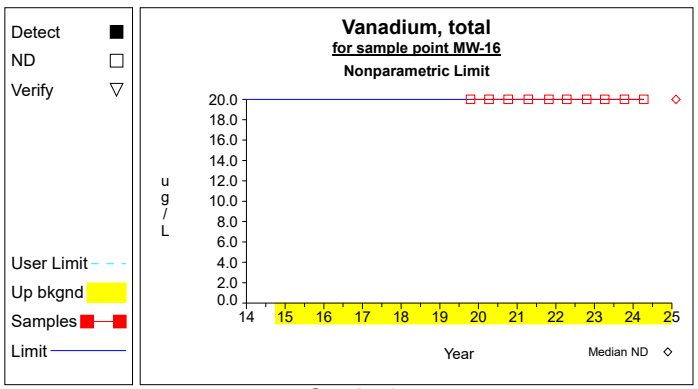
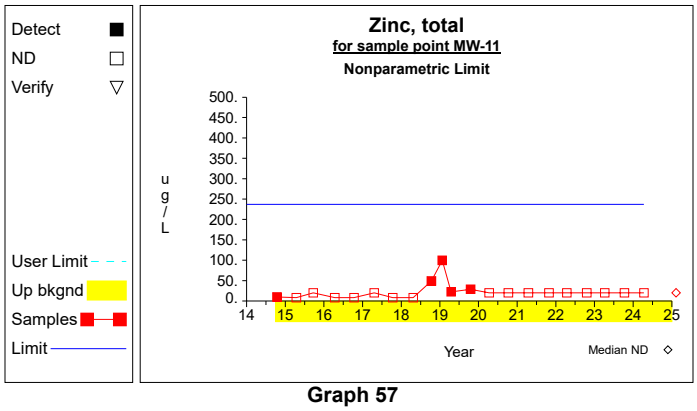


Graph 56

Up vs. Down Prediction Limits



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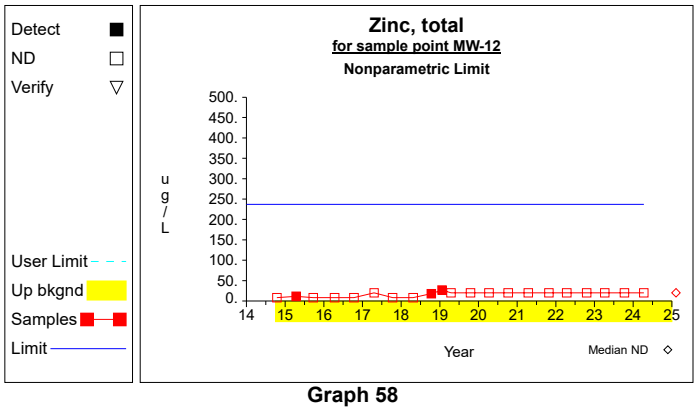

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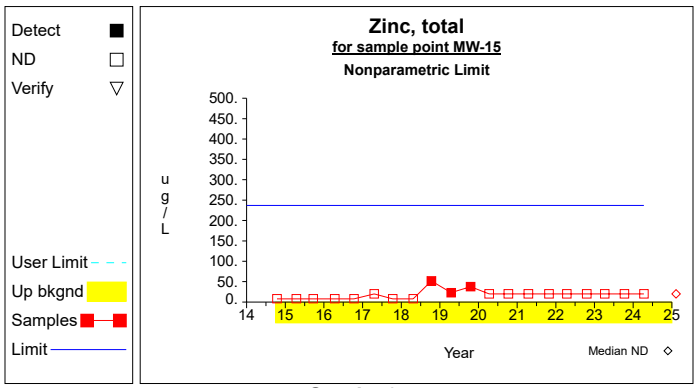

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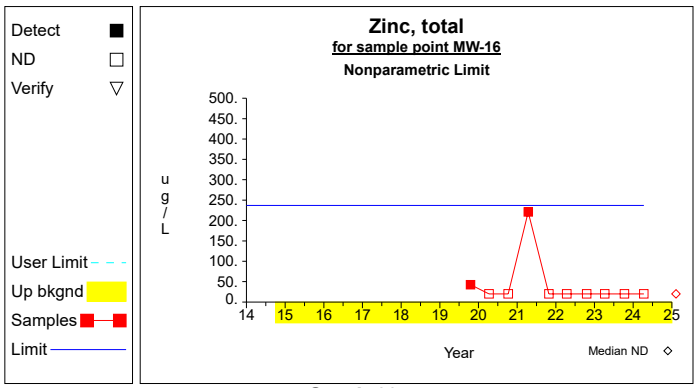
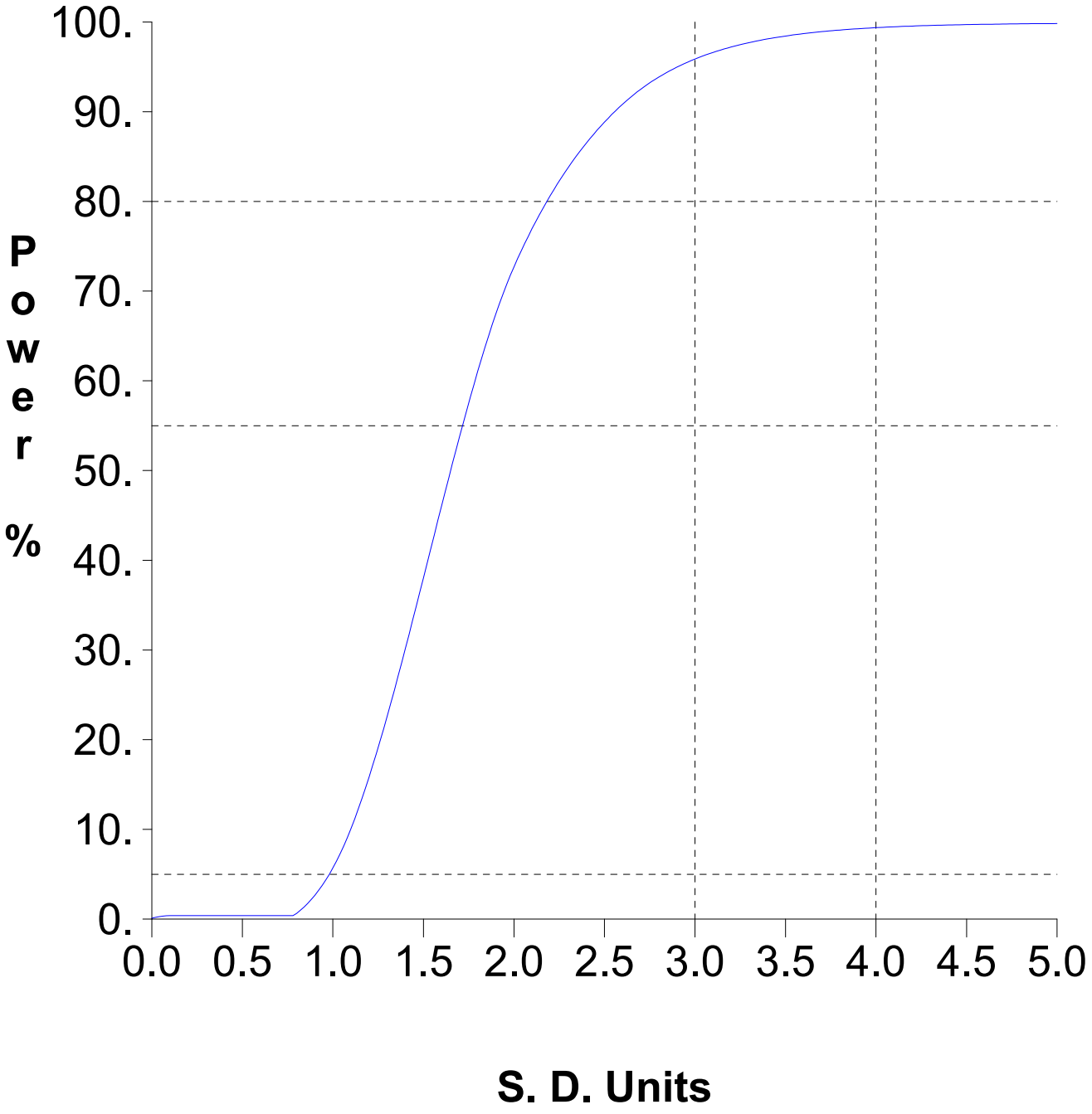


Graph 60

False Positive and False Negative Rates for Current

Upgradient vs. Downgradient Monitoring Program



Attachment C

Historical Organic Compound Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloropropene	MW-11	4/11/2024		3.5	1.0	ug/L
Diethyl phthalate	MW-11	4/08/2014		8	8	ug/L
Diethyl phthalate	MW-11	4/08/2014		8	8	ug/L
Methyl parathion	MW-11	10/14/2014		2.9	.4	ug/L
Phorate	MW-11	10/14/2014		.9	.4	ug/L
Thionazin	MW-11	10/14/2014		.5	.4	ug/L
Trichloroethylene	MW-11	4/11/2024		3.3	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-12	4/16/2019		16	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-12	4/09/2020		16	6	ug/L
Acetone	MW-14	5/24/2010		44.9	10.0	ug/L
Acetone	MW-14	10/12/2017		11.8	10.0	ug/L
Toluene	MW-14	5/24/2010		3.2	1.0	ug/L
Xylenes, total	MW-14	5/24/2010		4.9	2.0	ug/L
1,1-dichloropropene	MW-15	4/11/2024		3.5	1.0	ug/L
Acetone	MW-15	10/12/2017		10.8	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	10/21/2013		50	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	4/14/2015		11	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	10/11/2016		19	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	10/12/2017		15	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	10/12/2018		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	4/16/2019		7	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	10/17/2019		7	6	ug/L
Trichloroethylene	MW-15	4/11/2024		3.3	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-16	10/08/2020		8	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-16	10/28/2021		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-16	10/19/2022		19	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-2	10/12/2017		35	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-2	10/17/2019		25	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-2	10/28/2021		12	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-2	4/13/2022		11	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-3	10/17/2019		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-4	4/23/2018		11	6	ug/L
Acetone	MW-5	10/12/2017		12.2	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-6	4/23/2018		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-6	7/05/2018		8	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-6	10/17/2019		10	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-6	4/06/2023		7	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-7	4/15/2009		10	8	ug/L
Acetone	MW-9	5/24/2010		45.1	10.0	ug/L
Acetone	MW-9	10/12/2017		11.2	10.0	ug/L
Toluene	MW-9	5/24/2010		3.6	1.0	ug/L
Xylenes, total	MW-9	5/24/2010		5.6	2.0	ug/L
2-butanone (mek)	SW-1	10/12/2018		7.7	5.0	ug/L
Acetone	SW-1	4/20/2017		15.7	10.0	ug/L
Acetone	SW-1	10/12/2018		27.2	10.0	ug/L
Phorate	SW-2	10/14/2014		.4	.4	ug/L

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

GROUND WATER STATISTICS

FOR THE

FLOYD-MITCHELL-CHICKASAW COUNTIES

CLOSED SANITARY LANDFILL

First Semi-Annual Monitoring Event in 2024

Prepared for:
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May 2024

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 2024 at the Floyd-Mitchell-Chickasaw Counties Closed Sanitary Landfill near Elma, in Mitchell 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. Interwell statistics were used for comparisons of current data to background data at Floyd-Mitchell-Chickasaw Counties Closed Sanitary Landfill. The statistical plan conforms with IAC 567, Chapter 113.10 and the USEPA statistical guidance document ("*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance"*, March 2009).

Ground Water Monitoring Program

The groundwater monitoring network for Floyd-Mitchell-Chickasaw Counties Closed Sanitary Landfill includes detection sample points MW-2, MW-3, MW-6, and MW-7. Upgradient sample points along the western border of the Expansion Area include MW-9 and MW-14. Monitoring wells MW-4 and MW-5 were approved by the IDNR as additional background wells in the revised permit (August 2020). 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	*trans*-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	*cis*-1,2-Dichloroethene	1,1,2,2-Tetrachloroethane
Bromoform	*trans*-1,2-Dichloroethene	Tetrachloroethene
Carbon disulfide	1,2-Dichloropropane	Toluene
Carbon tetrachloride	*cis*-1,3-Dichloropropene	1,1,1-Trichloroethane
Chlorobenzene	*trans*-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 2024 are summarized in Attachment A.

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. Both of these methods were previously applied to the Floyd-Mitchell-Chickasaw Counties Closed Landfill data using the DUMPStat® statistical program. The Expansion Area upgradient wells have not been monitored regularly so there was insufficient background data available to do upgradient versus downgradient comparisons previously. Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

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

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-4, MW-5,MW-9, and MW-14 during the period from October 2014 through the current data. A summary of the background data from monitoring wells MW-4, MW-5,MW-9, and MW-14, used to determine the site prediction limits, is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient sample points MW-2, MW-3, MW-6, and MW-7 compared to the site prediction limits. Prediction limit

exceedances are flagged with asterisks. For the first semi-annual 2024 monitoring data, there were no site prediction limit exceedances detected.

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

Table 4 summarizes the results of the Shapiro-Wilk test. The background barium data has a normal distribution 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.

Volatile Organic Compounds

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

There were no VOCs detected in the ground water at Floyd-Mitchell-Chickasaw Counties Landfill during the first semi-annual monitoring event in 2024. Historical VOC detections are summarized in Attachment C.

Attachment A

Summary of the Data obtained during the First Semi-Annual Monitoring Event in 2024

Table 1

Analytical Data Summary for 4/11/2024

Constituents	Units	MW-11	MW-12	MW-14	MW-15	MW-16	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-9
(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
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L	3.5			3.5								
1,2,3-trichloropropane	ug/L	<1	<1	<1	<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	<1	<5	<5	<1	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-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	<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	<10	<10	<5	<10	<10	<10	<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	<5	<5	<5
2-methylnaphthalene	ug/L	<8			<8								
2-methylphenol	ug/L	<8			<8								
2-naphthylamine	ug/L	<8			<8								
2-nitroaniline	ug/L	<8			<8								
2-nitrophenol	ug/L	<8			<8								
3,3´-dichlorobenzidine	ug/L	<8			<8								
3,3'-dimethylbenzidine	ug/L	<8			<8								
3-methylcholanthrene	ug/L	<8			<8								
3-nitroaniline	ug/L	<8			<8								
4,4´-ddd	ug/L	<.05			<.05								
4,4´-dde	ug/L	<.05			<.05								
4,4´-ddt	ug/L	<.05			<.05								
4,6-dinitro-2-methylphenol	ug/L	<8			<8								
4-aminobiphenyl	ug/L	<8			<8								
4-bromophenyl phenyl ether	ug/L	<8			<8								
4-chloro-3-methylphenol	ug/L	<8			<8								
4-chloroaniline	ug/L	<8			<8								
4-chlorophenyl phenyl ether	ug/L	<8			<8								
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<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	<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	<5	<5	<5
Aldrin	ug/L	<.05			<.05								
Allyl chloride	ug/L	<1			<1								
Alpha-bhc	ug/L	<.05			<.05								
Anthracene	ug/L	<8			<8								

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

Table 1

Analytical Data Summary for 4/11/2024

Constituents	Units	MW-11	MW-12	MW-14	MW-15	MW-16	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-9
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L	<.2			<.2								
Arochlor 1221	ug/L	<.2			<.2								
Arochlor 1232	ug/L	<.2			<.2								
Arochlor 1242	ug/L	<.2			<.2								
Arochlor 1248	ug/L	<.2			<.2								
Arochlor 1254	ug/L	<.2			<.2								
Arochlor 1260	ug/L	<.2			<.2								
Arsenic, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	4.3	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene	ug/L	<8			<8								
Barium, total	ug/L	16.0	135.0	114.0	18.1	39.1	33.9	96.4	33.4	71.7	21.8	19.8	95.5
Benzene	ug/L	<1	<1	<1	<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	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Beta-bhc	ug/L	<.05			<.05								
Bis (2-chloroethoxy) methane	ug/L	<8			<8								
Bis(2-chloroethyl) ether	ug/L	<8			<8								
Bis(2-chloroisopropyl) ether	ug/L	<8			<8								
Bis(2-ethylhexyl) phthalate	ug/L	<6			<6								
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L	<8			<8								
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L	<.1			<.1								
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L	<8			<8								
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L	<1			<1								
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L	<8			<8								
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.4	<.4	<.4	<.4	<.4	2.3	<.4	<.4	<.4	<.4	<.4	<.4
Copper, total	ug/L	<4	<4	<4	<4	<4	<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	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1			<1								
Dieldrin	ug/L	<.05			<.05								
Diethyl phthalate	ug/L	<8			<8								
Dimethoate	ug/L	<.4			<.4								
Dimethylphthalate	ug/L	<8			<8								
Di-n-butyl phthalate	ug/L	<8			<8								
Di-n-octyl phthalate	ug/L	<8			<8								
Dinoseb	ug/L	<.5			<.5								
Diphenylamine	ug/L	<8			<8								
Disulfoton	ug/L	<.4			<.4								
Endosulfan i	ug/L	<.05			<.05								
Endosulfan ii	ug/L	<.05			<.05								
Endosulfan sulfate	ug/L	<.05			<.05								
Endrin	ug/L	<.05			<.05								
Endrin aldehyde	ug/L	<.05			<.05								
Ethyl methacrylate	ug/L	<10			<10								
Ethyl methanesulfonate	ug/L	<8			<8								
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L	<.4			<.4								
Fluoranthene	ug/L	<8			<8								
Fluorene	ug/L	<8			<8								
Gamma-bhc (lindane)	ug/L	<.05			<.05								
Heptachlor	ug/L	<.05			<.05								
Heptachlor epoxide	ug/L	<.05			<.05								
Hexachlorobenzene	ug/L	<.05			<.05								

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

Table 1

Analytical Data Summary for 4/11/2024

Constituents	Units	MW-11	MW-12	MW-14	MW-15	MW-16	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-9
Hexachlorobutadiene	ug/L	<8			<8								
Hexachlorocyclopentadiene	ug/L	<8			<8								
Hexachloroethane	ug/L	<8			<8								
Hexachloropropene	ug/L	<8			<8								
Indeno(1,2,3-cd)pyrene	ug/L	<8			<8								
Isobutanol	mg/L	<1			<1								
Isodrin	ug/L	<8			<8								
Isophorone	ug/L	<8			<8								
Isosafrole	ug/L	<8			<8								
Kepone	ug/L	<8			<8								
Lead, total	ug/L	<4	<4	<4	<4	<4	<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	<2	<1	<1	<2	<1	<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	<5	<5	<5	<5	<5
Naphthalene	ug/L	<8			<8								
Nickel, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<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								
Parathion	ug/L	<.4			<.4								
P-dimethylaminoazobenzene	ug/L	<8			<8								
Pentachlorobenzene	ug/L	<8			<8								
Pentachloronitrobenzene (pcnb)	ug/L	<8			<8								
Pentachlorophenol	ug/L	<8			<8								
Phenacetin	ug/L	<8			<8								
Phenanthrene	ug/L	<8			<8								
Phenol	ug/L	<8			<8								
Phorate	ug/L	<.4			<.4								
Pronamide	ug/L	<8			<8								
Propionitrile	ug/L	<10			<10								
Pyrene	ug/L	<8			<8								
Safrole	ug/L	<8			<8								
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L	<.15			<.15								
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Thionazin	ug/L	<.4			<.4								
Tin, total	ug/L	<20			<20								
Toluene	ug/L	<1	<1	<1	<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	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	3.3	<1.0	<1.0	3.3	<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	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20

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

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-14	10/14/2014		2.5000		
Antimony, total	ug/L	MW-14	01/12/2015	ND	2.0000		
Antimony, total	ug/L	MW-14	04/13/2015	ND	2.0000		
Antimony, total	ug/L	MW-14	07/21/2015	ND	2.0000		
Antimony, total	ug/L	MW-14	09/23/2015	ND	2.0000		
Antimony, total	ug/L	MW-14	04/12/2016	ND	2.0000		
Antimony, total	ug/L	MW-14	10/11/2016	ND	2.0000		
Antimony, total	ug/L	MW-14	04/20/2017	ND	2.0000		
Antimony, total	ug/L	MW-14	10/12/2017	ND	2.0000		
Antimony, total	ug/L	MW-14	04/23/2018	ND	2.0000		
Antimony, total	ug/L	MW-14	10/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-14	04/16/2019	ND	2.0000		
Antimony, total	ug/L	MW-14	10/17/2019	ND	2.0000		
Antimony, total	ug/L	MW-14	04/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-14	10/08/2020	ND	2.0000		
Antimony, total	ug/L	MW-14	04/15/2021	ND	2.0000		
Antimony, total	ug/L	MW-14	10/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-14	04/13/2022	ND	2.0000		
Antimony, total	ug/L	MW-14	10/19/2022	ND	2.0000		
Antimony, total	ug/L	MW-14	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-14	10/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-14	04/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-4	10/14/2014	ND	2.0000		
Antimony, total	ug/L	MW-4	04/13/2015	ND	2.0000		
Antimony, total	ug/L	MW-4	09/23/2015	ND	2.0000		
Antimony, total	ug/L	MW-4	04/12/2016	ND	2.0000		
Antimony, total	ug/L	MW-4	10/11/2016	ND	2.0000		
Antimony, total	ug/L	MW-4	04/20/2017	ND	2.0000		
Antimony, total	ug/L	MW-4	10/12/2017	ND	2.0000		
Antimony, total	ug/L	MW-4	04/23/2018	ND	2.0000		
Antimony, total	ug/L	MW-4	10/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-4	04/16/2019	ND	2.0000		
Antimony, total	ug/L	MW-4	10/17/2019	ND	2.0000		
Antimony, total	ug/L	MW-4	04/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-4	10/08/2020	ND	2.0000		
Antimony, total	ug/L	MW-4	04/15/2021	ND	2.0000		
Antimony, total	ug/L	MW-4	10/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-4	04/13/2022	ND	2.0000		
Antimony, total	ug/L	MW-4	10/19/2022	ND	2.0000		
Antimony, total	ug/L	MW-4	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-4	10/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-4	04/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-5	10/14/2014	ND	2.0000		
Antimony, total	ug/L	MW-5	04/13/2015	ND	2.0000		
Antimony, total	ug/L	MW-5	09/23/2015	ND	2.0000		
Antimony, total	ug/L	MW-5	04/12/2016	ND	2.0000		
Antimony, total	ug/L	MW-5	10/11/2016	ND	2.0000		
Antimony, total	ug/L	MW-5	04/20/2017	ND	2.0000		
Antimony, total	ug/L	MW-5	10/12/2017	ND	2.0000		
Antimony, total	ug/L	MW-5	04/23/2018	ND	2.0000		
Antimony, total	ug/L	MW-5	10/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-5	04/16/2019	ND	2.0000		
Antimony, total	ug/L	MW-5	10/17/2019	ND	2.0000		
Antimony, total	ug/L	MW-5	04/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-5	10/08/2020	ND	2.0000		
Antimony, total	ug/L	MW-5	04/15/2021	ND	2.0000		
Antimony, total	ug/L	MW-5	10/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-5	04/13/2022	ND	2.0000		
Antimony, total	ug/L	MW-5	10/19/2022	ND	2.0000		
Antimony, total	ug/L	MW-5	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-5	10/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-5	04/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-9	10/14/2014	ND	2.0000		
Antimony, total	ug/L	MW-9	01/12/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	04/14/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	07/21/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	09/22/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	04/12/2016	ND	2.0000		
Antimony, total	ug/L	MW-9	10/11/2016	ND	2.0000		
Antimony, total	ug/L	MW-9	04/20/2017	ND	2.0000		
Antimony, total	ug/L	MW-9	10/12/2017	ND	2.0000		
Antimony, total	ug/L	MW-9	04/23/2018	ND	2.0000		
Antimony, total	ug/L	MW-9	10/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-9	04/16/2019	ND	2.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-9	10/17/2019	ND	2.0000		
Antimony, total	ug/L	MW-9	04/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-9	10/08/2020	ND	2.0000		
Antimony, total	ug/L	MW-9	04/15/2021	ND	2.0000		
Antimony, total	ug/L	MW-9	10/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-9	04/13/2022	ND	2.0000		
Antimony, total	ug/L	MW-9	10/19/2022	ND	2.0000		
Antimony, total	ug/L	MW-9	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-9	10/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-9	04/11/2024	ND	2.0000		
Arsenic, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Arsenic, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Arsenic, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Arsenic, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Arsenic, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/06/2023		4.5000		
Arsenic, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Arsenic, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Arsenic, total	ug/L	MW-9	01/12/2015	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Arsenic, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Arsenic, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Barium, total	ug/L	MW-14	10/14/2014		184.0000		
Barium, total	ug/L	MW-14	01/12/2015		169.0000		
Barium, total	ug/L	MW-14	04/13/2015		143.0000		
Barium, total	ug/L	MW-14	07/21/2015		141.0000		
Barium, total	ug/L	MW-14	09/23/2015		185.0000		
Barium, total	ug/L	MW-14	04/12/2016		121.0000		
Barium, total	ug/L	MW-14	10/11/2016		125.0000		
Barium, total	ug/L	MW-14	04/20/2017		140.0000		
Barium, total	ug/L	MW-14	10/12/2017		170.0000		
Barium, total	ug/L	MW-14	04/23/2018		126.0000		
Barium, total	ug/L	MW-14	10/12/2018		128.0000		
Barium, total	ug/L	MW-14	04/16/2019		114.0000		
Barium, total	ug/L	MW-14	10/17/2019		155.0000		
Barium, total	ug/L	MW-14	04/09/2020		117.0000		
Barium, total	ug/L	MW-14	10/08/2020		137.0000		
Barium, total	ug/L	MW-14	04/15/2021		120.0000		
Barium, total	ug/L	MW-14	10/28/2021		102.0000		
Barium, total	ug/L	MW-14	04/13/2022		107.0000		
Barium, total	ug/L	MW-14	10/19/2022		133.0000		
Barium, total	ug/L	MW-14	04/06/2023		117.0000		
Barium, total	ug/L	MW-14	10/10/2023		140.0000		
Barium, total	ug/L	MW-14	04/11/2024		114.0000		
Barium, total	ug/L	MW-4	10/14/2014		141.0000		
Barium, total	ug/L	MW-4	04/13/2015		103.0000		
Barium, total	ug/L	MW-4	09/23/2015		92.5000		
Barium, total	ug/L	MW-4	04/12/2016		66.2000		
Barium, total	ug/L	MW-4	10/11/2016		77.7000		
Barium, total	ug/L	MW-4	04/20/2017		128.0000		
Barium, total	ug/L	MW-4	10/12/2017		83.8000		
Barium, total	ug/L	MW-4	04/23/2018		116.0000		
Barium, total	ug/L	MW-4	10/12/2018		111.0000		
Barium, total	ug/L	MW-4	04/16/2019		71.2000		
Barium, total	ug/L	MW-4	10/17/2019		137.0000		
Barium, total	ug/L	MW-4	04/09/2020		65.3000		
Barium, total	ug/L	MW-4	10/08/2020		75.2000		
Barium, total	ug/L	MW-4	04/15/2021		49.6000		
Barium, total	ug/L	MW-4	10/28/2021		73.2000		
Barium, total	ug/L	MW-4	04/13/2022		63.6000		
Barium, total	ug/L	MW-4	10/19/2022		81.8000		
Barium, total	ug/L	MW-4	04/06/2023		162.0000		
Barium, total	ug/L	MW-4	10/10/2023		67.4000		
Barium, total	ug/L	MW-4	04/11/2024		33.4000		
Barium, total	ug/L	MW-5	10/14/2014		251.0000		
Barium, total	ug/L	MW-5	04/13/2015		272.0000		
Barium, total	ug/L	MW-5	09/23/2015		330.0000		
Barium, total	ug/L	MW-5	11/24/2015		328.0000		
Barium, total	ug/L	MW-5	04/12/2016		167.0000		
Barium, total	ug/L	MW-5	10/11/2016		262.0000		
Barium, total	ug/L	MW-5	04/20/2017		338.0000		
Barium, total	ug/L	MW-5	10/12/2017		276.0000		
Barium, total	ug/L	MW-5	04/23/2018		206.0000		
Barium, total	ug/L	MW-5	10/12/2018		212.0000		
Barium, total	ug/L	MW-5	04/16/2019		193.0000		
Barium, total	ug/L	MW-5	10/17/2019		296.0000		

* - 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-5	04/09/2020		268.0000		
Barium, total	ug/L	MW-5	10/08/2020		268.0000		
Barium, total	ug/L	MW-5	04/15/2021		71.8000		*
Barium, total	ug/L	MW-5	10/28/2021		175.0000		
Barium, total	ug/L	MW-5	04/13/2022		180.0000		
Barium, total	ug/L	MW-5	10/19/2022		250.0000		
Barium, total	ug/L	MW-5	04/06/2023		206.0000		
Barium, total	ug/L	MW-5	10/10/2023		202.0000		
Barium, total	ug/L	MW-5	04/11/2024		71.7000		*
Barium, total	ug/L	MW-9	10/14/2014		114.0000		
Barium, total	ug/L	MW-9	01/12/2015		115.0000		
Barium, total	ug/L	MW-9	04/14/2015		138.0000		
Barium, total	ug/L	MW-9	07/21/2015		111.0000		
Barium, total	ug/L	MW-9	09/22/2015		114.0000		
Barium, total	ug/L	MW-9	04/12/2016		99.2000		
Barium, total	ug/L	MW-9	10/11/2016		106.0000		
Barium, total	ug/L	MW-9	04/20/2017		116.0000		
Barium, total	ug/L	MW-9	10/12/2017		105.0000		
Barium, total	ug/L	MW-9	04/23/2018		110.0000		
Barium, total	ug/L	MW-9	10/12/2018		106.0000		
Barium, total	ug/L	MW-9	04/16/2019		106.0000		
Barium, total	ug/L	MW-9	10/17/2019		113.0000		
Barium, total	ug/L	MW-9	04/09/2020		93.9000		
Barium, total	ug/L	MW-9	10/08/2020		98.7000		
Barium, total	ug/L	MW-9	04/15/2021		93.2000		
Barium, total	ug/L	MW-9	10/28/2021		91.9000		
Barium, total	ug/L	MW-9	04/13/2022		105.0000		
Barium, total	ug/L	MW-9	10/19/2022		102.0000		
Barium, total	ug/L	MW-9	04/06/2023		96.1000		
Barium, total	ug/L	MW-9	10/10/2023		89.8000		
Barium, total	ug/L	MW-9	04/11/2024		95.5000		
Beryllium, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Beryllium, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Beryllium, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Beryllium, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Beryllium, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/14/2014	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-5	04/13/2015	ND	4.0000		
Beryllium, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Beryllium, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Cadmium, total	ug/L	MW-14	10/14/2014	ND	0.8000		
Cadmium, total	ug/L	MW-14	01/12/2015	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/13/2015	ND	0.8000		
Cadmium, total	ug/L	MW-14	07/21/2015	ND	0.8000		
Cadmium, total	ug/L	MW-14	09/23/2015	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/12/2016	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/11/2016	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/20/2017	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/12/2017	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/23/2018		5.3000		
Cadmium, total	ug/L	MW-14	10/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/16/2019	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/17/2019	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/08/2020	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/15/2021	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/13/2022	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/19/2022	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/14/2014	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/13/2015	ND	0.8000		
Cadmium, total	ug/L	MW-4	09/23/2015	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/12/2016	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/11/2016	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/20/2017	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/12/2017	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/23/2018	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/16/2019	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/17/2019	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-4	04/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/08/2020	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/15/2021	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/13/2022	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/19/2022	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/14/2014	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/13/2015	ND	0.8000		
Cadmium, total	ug/L	MW-5	09/23/2015	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/12/2016	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/11/2016	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/20/2017	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/12/2017	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/23/2018	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/16/2019	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/17/2019	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/08/2020	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/15/2021	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/13/2022	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/19/2022	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/06/2023		1.1000		
Cadmium, total	ug/L	MW-5	10/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/14/2014	ND	0.8000		
Cadmium, total	ug/L	MW-9	01/12/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/14/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	07/21/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/22/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/12/2016	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/11/2016	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/20/2017	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/12/2017	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/23/2018	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/16/2019		1.2000		
Cadmium, total	ug/L	MW-9	10/17/2019	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/08/2020	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/15/2021	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/13/2022	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/19/2022		1.3000		
Cadmium, total	ug/L	MW-9	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/11/2024	ND	0.8000		
Chromium, total	ug/L	MW-14	10/14/2014	ND	8.0000		
Chromium, total	ug/L	MW-14	01/12/2015	ND	8.0000		
Chromium, total	ug/L	MW-14	04/13/2015	ND	8.0000		
Chromium, total	ug/L	MW-14	07/21/2015	ND	8.0000		
Chromium, total	ug/L	MW-14	09/23/2015	ND	8.0000		
Chromium, total	ug/L	MW-14	04/12/2016	ND	8.0000		
Chromium, total	ug/L	MW-14	10/11/2016	ND	8.0000		
Chromium, total	ug/L	MW-14	04/20/2017	ND	8.0000		
Chromium, total	ug/L	MW-14	10/12/2017	ND	8.0000		
Chromium, total	ug/L	MW-14	04/23/2018	ND	8.0000		
Chromium, total	ug/L	MW-14	10/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-14	04/16/2019	ND	8.0000		
Chromium, total	ug/L	MW-14	10/17/2019	ND	8.0000		
Chromium, total	ug/L	MW-14	04/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-14	10/08/2020	ND	8.0000		
Chromium, total	ug/L	MW-14	04/15/2021	ND	8.0000		
Chromium, total	ug/L	MW-14	10/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-14	04/13/2022	ND	8.0000		
Chromium, total	ug/L	MW-14	10/19/2022	ND	8.0000		
Chromium, total	ug/L	MW-14	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-14	10/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-14	04/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-4	10/14/2014	ND	8.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium, total	ug/L	MW-4	04/13/2015	ND	8.0000		
Chromium, total	ug/L	MW-4	09/23/2015	ND	8.0000		
Chromium, total	ug/L	MW-4	04/12/2016	ND	8.0000		
Chromium, total	ug/L	MW-4	10/11/2016	ND	8.0000		
Chromium, total	ug/L	MW-4	04/20/2017		9.1000		
Chromium, total	ug/L	MW-4	10/12/2017	ND	8.0000		
Chromium, total	ug/L	MW-4	04/23/2018	ND	8.0000		
Chromium, total	ug/L	MW-4	10/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-4	04/16/2019	ND	8.0000		
Chromium, total	ug/L	MW-4	10/17/2019	ND	8.0000		
Chromium, total	ug/L	MW-4	04/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-4	10/08/2020	ND	8.0000		
Chromium, total	ug/L	MW-4	04/15/2021	ND	8.0000		
Chromium, total	ug/L	MW-4	10/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-4	04/13/2022	ND	8.0000		
Chromium, total	ug/L	MW-4	10/19/2022	ND	8.0000		
Chromium, total	ug/L	MW-4	04/06/2023		8.3000		
Chromium, total	ug/L	MW-4	10/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-4	04/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-5	10/14/2014	ND	8.0000		
Chromium, total	ug/L	MW-5	04/13/2015	ND	8.0000		
Chromium, total	ug/L	MW-5	09/23/2015	ND	8.0000		
Chromium, total	ug/L	MW-5	04/12/2016	ND	8.0000		
Chromium, total	ug/L	MW-5	10/11/2016	ND	8.0000		
Chromium, total	ug/L	MW-5	04/20/2017	ND	8.0000		
Chromium, total	ug/L	MW-5	10/12/2017	ND	8.0000		
Chromium, total	ug/L	MW-5	04/23/2018	ND	8.0000		
Chromium, total	ug/L	MW-5	10/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-5	04/16/2019	ND	8.0000		
Chromium, total	ug/L	MW-5	10/17/2019	ND	8.0000		
Chromium, total	ug/L	MW-5	04/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-5	10/08/2020	ND	8.0000		
Chromium, total	ug/L	MW-5	04/15/2021	ND	8.0000		
Chromium, total	ug/L	MW-5	10/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-5	04/13/2022	ND	8.0000		
Chromium, total	ug/L	MW-5	10/19/2022	ND	8.0000		
Chromium, total	ug/L	MW-5	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-5	10/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-5	04/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-9	10/14/2014	ND	8.0000		
Chromium, total	ug/L	MW-9	01/12/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	04/14/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	07/21/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	09/22/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	04/12/2016	ND	8.0000		
Chromium, total	ug/L	MW-9	10/11/2016	ND	8.0000		
Chromium, total	ug/L	MW-9	04/20/2017	ND	8.0000		
Chromium, total	ug/L	MW-9	10/12/2017	ND	8.0000		
Chromium, total	ug/L	MW-9	04/23/2018	ND	8.0000		
Chromium, total	ug/L	MW-9	10/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-9	04/16/2019	ND	8.0000		
Chromium, total	ug/L	MW-9	10/17/2019	ND	8.0000		
Chromium, total	ug/L	MW-9	04/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-9	10/08/2020	ND	8.0000		
Chromium, total	ug/L	MW-9	04/15/2021	ND	8.0000		
Chromium, total	ug/L	MW-9	10/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-9	04/13/2022	ND	8.0000		
Chromium, total	ug/L	MW-9	10/19/2022	ND	8.0000		
Chromium, total	ug/L	MW-9	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-9	10/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-9	04/11/2024	ND	8.0000		
Cobalt, total	ug/L	MW-14	10/14/2014	ND	0.8000		
Cobalt, total	ug/L	MW-14	01/12/2015	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/13/2015	ND	0.8000		
Cobalt, total	ug/L	MW-14	07/21/2015	ND	0.8000		
Cobalt, total	ug/L	MW-14	09/23/2015	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/12/2016	ND	0.8000		
Cobalt, total	ug/L	MW-14	10/11/2016	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/20/2017	ND	0.8000		
Cobalt, total	ug/L	MW-14	10/12/2017	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/23/2018	ND	0.8000		
Cobalt, total	ug/L	MW-14	10/12/2018	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/16/2019	ND	0.8000		
Cobalt, total	ug/L	MW-14	10/17/2019	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-14	04/09/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/08/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	04/15/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/28/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	04/13/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/19/2022	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-14	04/06/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	04/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	10/14/2014		2.1000		
Cobalt, total	ug/L	MW-4	04/13/2015	ND	0.8000		
Cobalt, total	ug/L	MW-4	09/23/2015	ND	0.8000		
Cobalt, total	ug/L	MW-4	04/12/2016	ND	0.8000		
Cobalt, total	ug/L	MW-4	10/11/2016	ND	0.8000		
Cobalt, total	ug/L	MW-4	04/20/2017		3.3000		
Cobalt, total	ug/L	MW-4	10/12/2017	ND	0.8000		
Cobalt, total	ug/L	MW-4	04/23/2018		2.8000		
Cobalt, total	ug/L	MW-4	10/12/2018		1.4000		
Cobalt, total	ug/L	MW-4	04/16/2019	ND	0.8000		
Cobalt, total	ug/L	MW-4	10/17/2019		2.0000		
Cobalt, total	ug/L	MW-4	04/09/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	10/08/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	04/15/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	10/28/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	04/13/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	10/19/2022	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-4	04/06/2023		3.5000		
Cobalt, total	ug/L	MW-4	10/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	04/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-5	10/14/2014	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/13/2015	ND	0.8000		
Cobalt, total	ug/L	MW-5	09/23/2015	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/12/2016	ND	0.8000		
Cobalt, total	ug/L	MW-5	10/11/2016	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/20/2017	ND	0.8000		
Cobalt, total	ug/L	MW-5	10/12/2017	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/23/2018	ND	0.8000		
Cobalt, total	ug/L	MW-5	10/12/2018	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/16/2019	ND	0.8000		
Cobalt, total	ug/L	MW-5	10/17/2019	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/09/2020		3.4000		
Cobalt, total	ug/L	MW-5	10/08/2020		0.6000		
Cobalt, total	ug/L	MW-5	04/15/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-5	10/28/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-5	04/13/2022		0.4000		
Cobalt, total	ug/L	MW-5	10/19/2022	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-5	04/06/2023		2.7000		
Cobalt, total	ug/L	MW-5	10/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-5	04/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/14/2014	ND	0.8000		
Cobalt, total	ug/L	MW-9	01/12/2015	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/14/2015	ND	0.8000		
Cobalt, total	ug/L	MW-9	07/21/2015	ND	0.8000		
Cobalt, total	ug/L	MW-9	09/22/2015	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/12/2016	ND	0.8000		
Cobalt, total	ug/L	MW-9	10/11/2016	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/20/2017	ND	0.8000		
Cobalt, total	ug/L	MW-9	10/12/2017	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/23/2018	ND	0.8000		
Cobalt, total	ug/L	MW-9	10/12/2018	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/16/2019	ND	0.8000		
Cobalt, total	ug/L	MW-9	10/17/2019	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/09/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/08/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	04/15/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/28/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	04/13/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/19/2022	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-9	04/06/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	04/11/2024	ND	0.4000	0.8000	**
Copper, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Copper, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Copper, total	ug/L	MW-14	04/13/2015	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Copper, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Copper, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Copper, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Copper, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Copper, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Copper, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Copper, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Copper, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Copper, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Copper, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Copper, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Copper, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Copper, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Copper, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Copper, total	ug/L	MW-14	10/19/2022		7.0000		
Copper, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Copper, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Copper, total	ug/L	MW-4	10/14/2014		6.1000		
Copper, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Copper, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Copper, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Copper, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Copper, total	ug/L	MW-4	04/20/2017		5.5000		
Copper, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Copper, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Copper, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Copper, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Copper, total	ug/L	MW-4	10/17/2019		4.3000		
Copper, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Copper, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Copper, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Copper, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Copper, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Copper, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Copper, total	ug/L	MW-4	04/06/2023		9.1000		
Copper, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Copper, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Copper, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Copper, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Copper, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Copper, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Copper, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Copper, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Copper, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Copper, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Copper, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Copper, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Copper, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Copper, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Copper, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Copper, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Copper, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Copper, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Copper, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Copper, total	ug/L	MW-5	04/06/2023		9.6000		
Copper, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Copper, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Copper, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Copper, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Copper, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Copper, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Copper, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Copper, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Copper, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Copper, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Copper, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Copper, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Copper, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Copper, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Copper, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Copper, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Copper, total	ug/L	MW-9	10/08/2020	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Copper, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Copper, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Copper, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Copper, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Copper, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Lead, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Lead, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Lead, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Lead, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Lead, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Lead, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Lead, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Lead, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Lead, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Lead, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Lead, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Lead, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Lead, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Lead, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Lead, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Lead, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Lead, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Lead, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Lead, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Lead, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Lead, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Lead, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Lead, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Lead, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Lead, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Lead, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Lead, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Lead, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Lead, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Lead, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Lead, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Lead, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Lead, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Lead, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Lead, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Lead, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Lead, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Lead, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Lead, total	ug/L	MW-4	04/06/2023		7.6000		
Lead, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Lead, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Lead, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Lead, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Lead, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Lead, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Lead, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Lead, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Lead, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Lead, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Lead, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Lead, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Lead, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Lead, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Lead, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Lead, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Lead, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Lead, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Lead, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Lead, total	ug/L	MW-5	04/06/2023		6.2000		
Lead, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Lead, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Lead, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Lead, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Lead, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Lead, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Lead, total	ug/L	MW-9	09/22/2015	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Lead, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Lead, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Lead, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Lead, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Lead, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Lead, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Lead, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Lead, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Lead, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Lead, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Lead, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Lead, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Lead, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Lead, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Lead, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Nickel, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Nickel, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Nickel, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Nickel, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Nickel, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Nickel, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Nickel, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Nickel, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Nickel, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Nickel, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Nickel, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Nickel, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Nickel, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Nickel, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Nickel, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Nickel, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Nickel, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Nickel, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-4	10/14/2014		6.2000		
Nickel, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Nickel, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Nickel, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Nickel, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Nickel, total	ug/L	MW-4	04/20/2017		9.5000		
Nickel, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Nickel, total	ug/L	MW-4	04/23/2018		4.5000		
Nickel, total	ug/L	MW-4	10/12/2018		4.7000		
Nickel, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Nickel, total	ug/L	MW-4	10/17/2019		6.0000		
Nickel, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Nickel, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Nickel, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Nickel, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Nickel, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Nickel, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Nickel, total	ug/L	MW-4	04/06/2023		9.8000		
Nickel, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-5	10/14/2014		5.9000		
Nickel, total	ug/L	MW-5	04/13/2015		6.3000		
Nickel, total	ug/L	MW-5	09/23/2015		5.7000		
Nickel, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Nickel, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Nickel, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Nickel, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Nickel, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Nickel, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Nickel, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Nickel, total	ug/L	MW-5	04/09/2020		6.8000		
Nickel, total	ug/L	MW-5	10/08/2020		6.6000		
Nickel, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Nickel, total	ug/L	MW-5	10/28/2021	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-5	04/13/2022	ND	4.0000		
Nickel, total	ug/L	MW-5	10/19/2022		5.4000		
Nickel, total	ug/L	MW-5	04/06/2023		13.1000		*
Nickel, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Nickel, total	ug/L	MW-9	01/12/2015		4.0000		
Nickel, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Nickel, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Nickel, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Nickel, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Nickel, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Nickel, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Nickel, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Nickel, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Nickel, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Nickel, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Nickel, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Nickel, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Nickel, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Nickel, total	ug/L	MW-9	10/28/2021		4.2000		
Nickel, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Nickel, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Nickel, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Selenium, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Selenium, total	ug/L	MW-14	04/13/2015		5.1000		
Selenium, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Selenium, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Selenium, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Selenium, total	ug/L	MW-14	10/11/2016		5.5000		
Selenium, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Selenium, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Selenium, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Selenium, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Selenium, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Selenium, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Selenium, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Selenium, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Selenium, total	ug/L	MW-14	10/19/2022		5.5000		
Selenium, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Selenium, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Selenium, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Selenium, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Selenium, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Selenium, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Selenium, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Selenium, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Selenium, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Selenium, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Selenium, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Selenium, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Selenium, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Selenium, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Selenium, total	ug/L	MW-4	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Selenium, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Selenium, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Selenium, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Selenium, total	ug/L	MW-5	10/11/2016	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	
Selenium, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Selenium, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Selenium, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Selenium, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Selenium, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Selenium, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Selenium, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Selenium, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Selenium, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Selenium, total	ug/L	MW-5	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Selenium, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Selenium, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Selenium, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Selenium, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Selenium, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Selenium, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Selenium, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Selenium, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Selenium, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Selenium, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Selenium, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Selenium, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Silver, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Silver, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Silver, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Silver, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Silver, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Silver, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Silver, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Silver, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Silver, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Silver, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Silver, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Silver, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Silver, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Silver, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Silver, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Silver, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Silver, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Silver, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Silver, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Silver, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Silver, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Silver, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Silver, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Silver, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Silver, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Silver, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Silver, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Silver, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Silver, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Silver, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Silver, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Silver, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Silver, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Silver, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Silver, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Silver, total	ug/L	MW-4	10/28/2021	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Silver, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Silver, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Silver, total	ug/L	MW-4	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Silver, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Silver, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Silver, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Silver, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Silver, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Silver, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Silver, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Silver, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Silver, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Silver, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Silver, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Silver, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Silver, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Silver, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Silver, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Silver, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Silver, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Silver, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Silver, total	ug/L	MW-5	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Silver, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Silver, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Silver, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Silver, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Silver, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Silver, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Silver, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Silver, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Silver, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Silver, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Silver, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Silver, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Silver, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Silver, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Silver, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Silver, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Silver, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Silver, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Silver, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Silver, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Silver, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Silver, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Thallium, total	ug/L	MW-14	10/14/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	01/12/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/13/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	07/21/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	09/23/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/12/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	10/11/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/20/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	10/12/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/23/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	10/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/16/2019	ND	2.0000		
Thallium, total	ug/L	MW-14	10/17/2019	ND	2.0000		
Thallium, total	ug/L	MW-14	04/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-14	10/08/2020	ND	2.0000		
Thallium, total	ug/L	MW-14	04/15/2021	ND	2.0000		
Thallium, total	ug/L	MW-14	10/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-14	04/13/2022	ND	2.0000		
Thallium, total	ug/L	MW-14	10/19/2022	ND	2.0000		
Thallium, total	ug/L	MW-14	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-14	10/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-14	04/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-4	10/14/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/13/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	09/23/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/12/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	10/11/2016	ND	4.0000	2.0000	**

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-4	04/20/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	10/12/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/23/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	10/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/16/2019	ND	2.0000		
Thallium, total	ug/L	MW-4	10/17/2019	ND	2.0000		
Thallium, total	ug/L	MW-4	04/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-4	10/08/2020	ND	2.0000		
Thallium, total	ug/L	MW-4	04/15/2021	ND	2.0000		
Thallium, total	ug/L	MW-4	10/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-4	04/13/2022	ND	2.0000		
Thallium, total	ug/L	MW-4	10/19/2022	ND	2.0000		
Thallium, total	ug/L	MW-4	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-4	10/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-4	04/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-5	10/14/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/13/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	09/23/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/12/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	10/11/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/20/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	10/12/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/23/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	10/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/16/2019	ND	2.0000		
Thallium, total	ug/L	MW-5	10/17/2019	ND	2.0000		
Thallium, total	ug/L	MW-5	04/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-5	10/08/2020	ND	2.0000		
Thallium, total	ug/L	MW-5	04/15/2021	ND	2.0000		
Thallium, total	ug/L	MW-5	10/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-5	04/13/2022	ND	2.0000		
Thallium, total	ug/L	MW-5	10/19/2022	ND	2.0000		
Thallium, total	ug/L	MW-5	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-5	10/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-5	04/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-9	10/14/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	01/12/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/14/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	07/21/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	09/22/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/12/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	10/11/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/20/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	10/12/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/23/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	10/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/16/2019	ND	2.0000		
Thallium, total	ug/L	MW-9	10/17/2019	ND	2.0000		
Thallium, total	ug/L	MW-9	04/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-9	10/08/2020	ND	2.0000		
Thallium, total	ug/L	MW-9	04/15/2021	ND	2.0000		
Thallium, total	ug/L	MW-9	10/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-9	04/13/2022	ND	2.0000		
Thallium, total	ug/L	MW-9	10/19/2022	ND	2.0000		
Thallium, total	ug/L	MW-9	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-9	10/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-9	04/11/2024	ND	2.0000		
Vanadium, total	ug/L	MW-14	10/14/2014	ND	20.0000		
Vanadium, total	ug/L	MW-14	01/12/2015	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/13/2015	ND	20.0000		
Vanadium, total	ug/L	MW-14	07/21/2015	ND	20.0000		
Vanadium, total	ug/L	MW-14	09/23/2015	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/12/2016	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/11/2016	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/20/2017	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/12/2017	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/23/2018	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/16/2019	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/17/2019	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/08/2020	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/15/2021	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/28/2021	ND	20.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-14	04/13/2022	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/19/2022	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/14/2014	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/13/2015	ND	20.0000		
Vanadium, total	ug/L	MW-4	09/23/2015	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/12/2016	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/11/2016	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/20/2017	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/12/2017	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/23/2018	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/16/2019	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/17/2019	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/08/2020	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/15/2021	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/13/2022	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/19/2022	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/14/2014	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/13/2015	ND	20.0000		
Vanadium, total	ug/L	MW-5	09/23/2015	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/12/2016	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/11/2016	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/20/2017	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/12/2017	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/23/2018	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/16/2019	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/17/2019	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/08/2020	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/15/2021	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/13/2022	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/19/2022	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/14/2014	ND	20.0000		
Vanadium, total	ug/L	MW-9	01/12/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/14/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	07/21/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/22/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/12/2016	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/11/2016	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/20/2017	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/12/2017	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/23/2018	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/16/2019	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/17/2019	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/08/2020	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/15/2021	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/13/2022	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/19/2022	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-14	10/14/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	01/12/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	04/13/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	07/21/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	09/23/2015	ND	20.0000		
Zinc, total	ug/L	MW-14	04/12/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	10/11/2016	ND	8.0000	20.0000	**

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-14	04/20/2017	ND	20.0000		
Zinc, total	ug/L	MW-14	10/12/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	04/23/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	10/12/2018		16.1000		
Zinc, total	ug/L	MW-14	04/16/2019	ND	20.0000		
Zinc, total	ug/L	MW-14	10/17/2019	ND	20.0000		
Zinc, total	ug/L	MW-14	04/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-14	10/08/2020	ND	20.0000		
Zinc, total	ug/L	MW-14	04/15/2021	ND	20.0000		
Zinc, total	ug/L	MW-14	10/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-14	04/13/2022	ND	20.0000		
Zinc, total	ug/L	MW-14	10/19/2022	ND	20.0000		
Zinc, total	ug/L	MW-14	04/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-14	10/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-14	04/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-4	10/14/2014		40.0000		
Zinc, total	ug/L	MW-4	01/12/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-4	04/13/2015		12.4000		
Zinc, total	ug/L	MW-4	09/23/2015		10.3000		
Zinc, total	ug/L	MW-4	04/12/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-4	10/11/2016		11.9000		
Zinc, total	ug/L	MW-4	01/17/2017		58.9000		
Zinc, total	ug/L	MW-4	04/20/2017		57.6000		
Zinc, total	ug/L	MW-4	10/12/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-4	04/23/2018		159.0000		
Zinc, total	ug/L	MW-4	10/12/2018		237.0000		
Zinc, total	ug/L	MW-4	04/16/2019	ND	20.0000		
Zinc, total	ug/L	MW-4	10/17/2019		130.0000		
Zinc, total	ug/L	MW-4	04/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-4	10/08/2020	ND	20.0000		
Zinc, total	ug/L	MW-4	04/15/2021	ND	20.0000		
Zinc, total	ug/L	MW-4	10/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-4	04/13/2022	ND	20.0000		
Zinc, total	ug/L	MW-4	10/19/2022		216.0000		
Zinc, total	ug/L	MW-4	04/06/2023		627.0000		*
Zinc, total	ug/L	MW-4	10/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-4	04/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-5	10/14/2014		24.7000		
Zinc, total	ug/L	MW-5	04/13/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	09/23/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	04/12/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	10/11/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	04/20/2017		16.5000		
Zinc, total	ug/L	MW-5	10/12/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	04/23/2018		15.2000		
Zinc, total	ug/L	MW-5	10/12/2018		20.3000		
Zinc, total	ug/L	MW-5	04/16/2019	ND	20.0000		
Zinc, total	ug/L	MW-5	10/17/2019		83.1000		*
Zinc, total	ug/L	MW-5	04/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-5	10/08/2020	ND	20.0000		
Zinc, total	ug/L	MW-5	04/15/2021	ND	20.0000		
Zinc, total	ug/L	MW-5	10/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-5	04/13/2022	ND	20.0000		
Zinc, total	ug/L	MW-5	10/19/2022	ND	20.0000		
Zinc, total	ug/L	MW-5	04/06/2023		411.0000		*
Zinc, total	ug/L	MW-5	10/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-5	04/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-9	10/14/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	01/12/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	04/14/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	07/21/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	09/23/2015	ND	20.0000		
Zinc, total	ug/L	MW-9	04/12/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	10/11/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	04/20/2017	ND	20.0000		
Zinc, total	ug/L	MW-9	10/12/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	04/23/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	10/12/2018		9.0000		
Zinc, total	ug/L	MW-9	04/16/2019	ND	20.0000		
Zinc, total	ug/L	MW-9	10/17/2019		29.9000		
Zinc, total	ug/L	MW-9	04/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-9	10/08/2020	ND	20.0000		
Zinc, total	ug/L	MW-9	04/15/2021	ND	20.0000		
Zinc, total	ug/L	MW-9	10/28/2021	ND	20.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-9	04/13/2022	ND	20.0000		
Zinc, total	ug/L	MW-9	10/19/2022	ND	20.0000		
Zinc, total	ug/L	MW-9	04/06/2023		21.3000		
Zinc, total	ug/L	MW-9	10/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-9	04/11/2024	ND	20.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result	Pred. Limit
Antimony, total	ug/L	MW-2	04/11/2024	ND	2.0000	2.5000
Antimony, total	ug/L	MW-3	04/11/2024	ND	2.0000	2.5000
Antimony, total	ug/L	MW-6	04/11/2024	ND	2.0000	2.5000
Antimony, total	ug/L	MW-7	04/11/2024	ND	2.0000	2.5000
Arsenic, total	ug/L	MW-2	04/11/2024		4.3000	4.5000
Arsenic, total	ug/L	MW-3	04/11/2024	ND	4.0000	4.5000
Arsenic, total	ug/L	MW-6	04/11/2024	ND	4.0000	4.5000
Arsenic, total	ug/L	MW-7	04/11/2024	ND	4.0000	4.5000
Barium, total	ug/L	MW-2	04/11/2024		33.9000	304.2772
Barium, total	ug/L	MW-3	04/11/2024		96.4000	304.2772
Barium, total	ug/L	MW-6	04/11/2024		21.8000	304.2772
Barium, total	ug/L	MW-7	04/11/2024		19.8000	304.2772
Beryllium, total	ug/L	MW-2	04/11/2024	ND	4.0000	4.0000
Beryllium, total	ug/L	MW-3	04/11/2024	ND	4.0000	4.0000
Beryllium, total	ug/L	MW-6	04/11/2024	ND	4.0000	4.0000
Beryllium, total	ug/L	MW-7	04/11/2024	ND	4.0000	4.0000
Cadmium, total	ug/L	MW-2	04/11/2024	ND	0.8000	5.3000
Cadmium, total	ug/L	MW-3	04/11/2024	ND	0.8000	5.3000
Cadmium, total	ug/L	MW-6	04/11/2024	ND	0.8000	5.3000
Cadmium, total	ug/L	MW-7	04/11/2024	ND	0.8000	5.3000
Chromium, total	ug/L	MW-2	04/11/2024	ND	8.0000	9.1000
Chromium, total	ug/L	MW-3	04/11/2024	ND	8.0000	9.1000
Chromium, total	ug/L	MW-6	04/11/2024	ND	8.0000	9.1000
Chromium, total	ug/L	MW-7	04/11/2024	ND	8.0000	9.1000
Cobalt, total	ug/L	MW-2	04/11/2024		2.3000	3.5000
Cobalt, total	ug/L	MW-3	04/11/2024	ND	0.4000	3.5000
Cobalt, total	ug/L	MW-6	04/11/2024	ND	0.4000	3.5000
Cobalt, total	ug/L	MW-7	04/11/2024	ND	0.4000	3.5000
Copper, total	ug/L	MW-2	04/11/2024	ND	4.0000	9.6000
Copper, total	ug/L	MW-3	04/11/2024	ND	4.0000	9.6000
Copper, total	ug/L	MW-6	04/11/2024	ND	4.0000	9.6000
Copper, total	ug/L	MW-7	04/11/2024	ND	4.0000	9.6000
Lead, total	ug/L	MW-2	04/11/2024	ND	4.0000	7.6000
Lead, total	ug/L	MW-3	04/11/2024	ND	4.0000	7.6000
Lead, total	ug/L	MW-6	04/11/2024	ND	4.0000	7.6000
Lead, total	ug/L	MW-7	04/11/2024	ND	4.0000	7.6000
Nickel, total	ug/L	MW-2	04/11/2024	ND	4.0000	9.8000
Nickel, total	ug/L	MW-3	04/11/2024	ND	4.0000	9.8000
Nickel, total	ug/L	MW-6	04/11/2024	ND	4.0000	9.8000
Nickel, total	ug/L	MW-7	04/11/2024	ND	4.0000	9.8000
Selenium, total	ug/L	MW-2	04/11/2024	ND	4.0000	5.5000
Selenium, total	ug/L	MW-3	04/11/2024	ND	4.0000	5.5000
Selenium, total	ug/L	MW-6	04/11/2024	ND	4.0000	5.5000
Selenium, total	ug/L	MW-7	04/11/2024	ND	4.0000	5.5000
Silver, total	ug/L	MW-2	04/11/2024	ND	4.0000	4.0000
Silver, total	ug/L	MW-3	04/11/2024	ND	4.0000	4.0000
Silver, total	ug/L	MW-6	04/11/2024	ND	4.0000	4.0000
Silver, total	ug/L	MW-7	04/11/2024	ND	4.0000	4.0000
Thallium, total	ug/L	MW-2	04/11/2024	ND	2.0000	2.0000
Thallium, total	ug/L	MW-3	04/11/2024	ND	2.0000	2.0000
Thallium, total	ug/L	MW-6	04/11/2024	ND	2.0000	2.0000
Thallium, total	ug/L	MW-7	04/11/2024	ND	2.0000	2.0000
Vanadium, total	ug/L	MW-2	04/11/2024	ND	20.0000	20.0000
Vanadium, total	ug/L	MW-3	04/11/2024	ND	20.0000	20.0000
Vanadium, total	ug/L	MW-6	04/11/2024	ND	20.0000	20.0000
Vanadium, total	ug/L	MW-7	04/11/2024	ND	20.0000	20.0000
Zinc, total	ug/L	MW-2	04/11/2024	ND	20.0000	237.0000
Zinc, total	ug/L	MW-3	04/11/2024	ND	20.0000	237.0000
Zinc, total	ug/L	MW-6	04/11/2024	ND	20.0000	237.0000
Zinc, total	ug/L	MW-7	04/11/2024	ND	20.0000	237.0000

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

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	1	84	0.012	0	104	0.000
Arsenic, total	1	84	0.012	30	126	0.238
Barium, total	83	83	1.000	140	140	1.000
Beryllium, total	0	84	0.000	0	104	0.000
Cadmium, total	4	84	0.048	9	113	0.080
Chromium, total	2	84	0.024	2	104	0.019
Cobalt, total	10	84	0.119	50	114	0.439
Copper, total	6	84	0.071	14	113	0.124
Lead, total	2	84	0.024	8	113	0.071
Nickel, total	14	83	0.169	69	141	0.489
Selenium, total	3	84	0.036	0	104	0.000
Silver, total	0	84	0.000	0	104	0.000
Thallium, total	0	84	0.000	0	104	0.000
Vanadium, total	0	84	0.000	1	104	0.010
Zinc, total	18	83	0.217	54	124	0.435

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	1	84	0.012									nonpar
Arsenic, total	1	84	0.012									nonpar
Barium, total	83	83	1.000	2.065	0.756					2.326	normal	normal
Beryllium, total	0	84	0.000									nonpar
Cadmium, total	4	84	0.048									nonpar
Chromium, total	2	84	0.024									nonpar
Cobalt, total	10	84	0.119	0.132	0.200					2.326	normal	nonpar
Copper, total	6	84	0.071	0.105	0.895					2.326	normal	nonpar
Lead, total	2	84	0.024									nonpar
Nickel, total	14	83	0.169	0.124	0.164					2.326	normal	nonpar
Selenium, total	3	84	0.036	0.495	0.495					2.326	normal	nonpar
Silver, total	0	84	0.000									nonpar
Thallium, total	0	84	0.000									nonpar
Vanadium, total	0	84	0.000									nonpar
Zinc, total	18	83	0.217	0.132	0.220					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	1	84					2.5000	nonpar		0.99
Arsenic, total	ug/L	1	84					4.5000	nonpar		0.99
Barium, total	ug/L	83	83	142.0024	67.9848	0.0100	2.3869	304.2772	normal		
Beryllium, total	ug/L	0	84					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	4	84					5.3000	nonpar		0.99
Chromium, total	ug/L	2	84					9.1000	nonpar		0.99
Cobalt, total	ug/L	10	84					3.5000	nonpar		0.99
Copper, total	ug/L	6	84					9.6000	nonpar		0.99
Lead, total	ug/L	2	84					7.6000	nonpar		0.99
Nickel, total	ug/L	14	83					9.8000	nonpar		0.99
Selenium, total	ug/L	3	84					5.5000	nonpar		0.99
Silver, total	ug/L	0	84					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	84					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	0	84					20.0000	nonpar	***	0.99
Zinc, total	ug/L	18	83					237.0000	nonpar		0.99

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

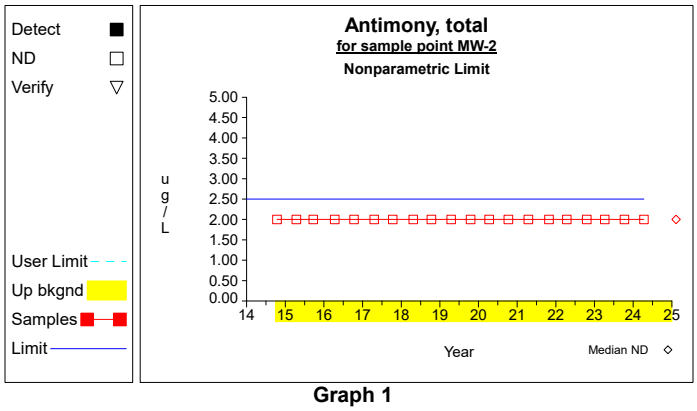
Table 6

Dixon's Test Outliers
1% Significance Level

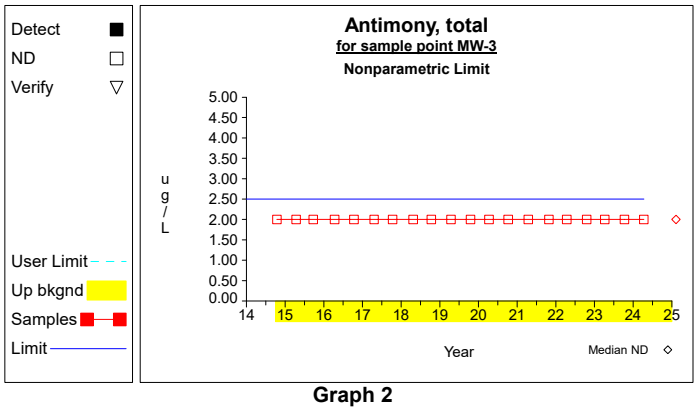
Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Barium, total	ug/L	MW-5	04/15/2021	71.8000		10/14/2014-04/11/2024	21	0.5381
Barium, total	ug/L	MW-5	04/11/2024	71.7000		10/14/2014-04/11/2024	21	0.5381
Nickel, total	ug/L	MW-5	04/06/2023	13.1000		10/14/2014-04/11/2024	20	0.5381
Zinc, total	ug/L	MW-5	10/17/2019	83.1000		10/14/2014-04/11/2024	20	0.5503
Zinc, total	ug/L	MW-5	04/06/2023	411.0000		10/14/2014-04/11/2024	20	0.5503

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

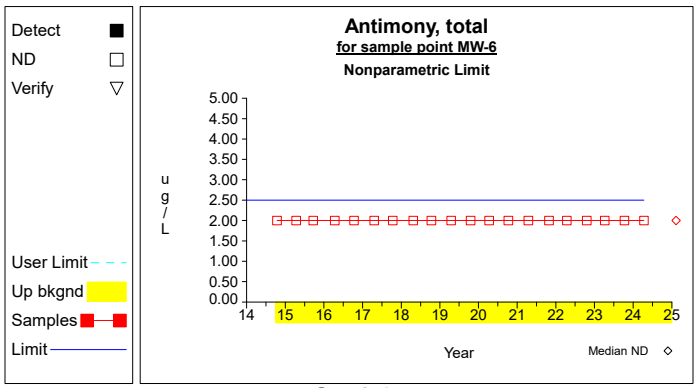
Up vs. Down Prediction Limits



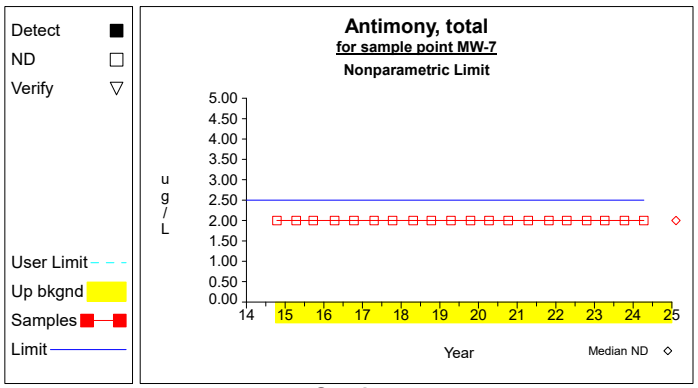
Graph 1



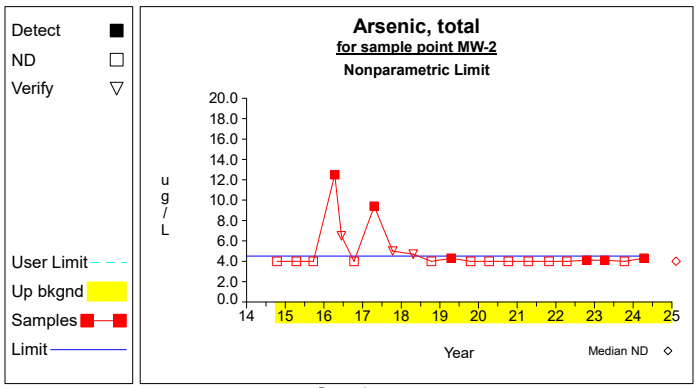
Graph 2



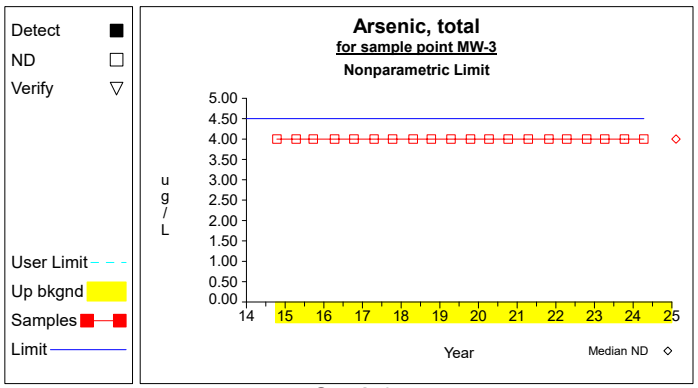
Graph 3



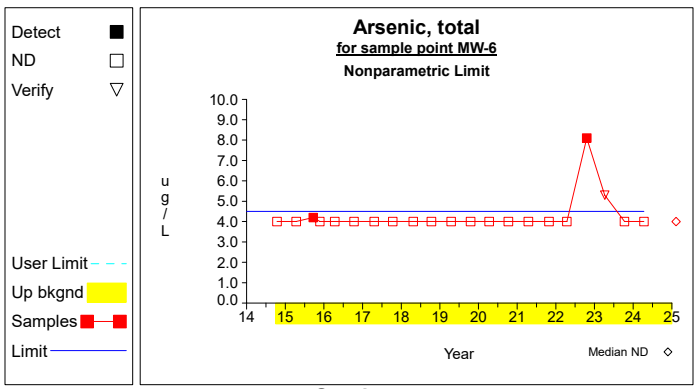
Graph 4



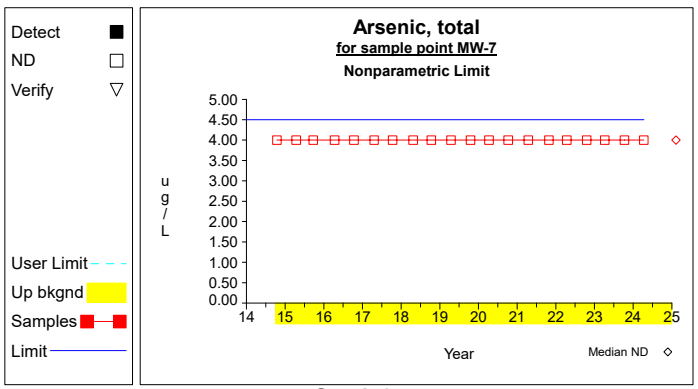
Graph 5



Graph 6



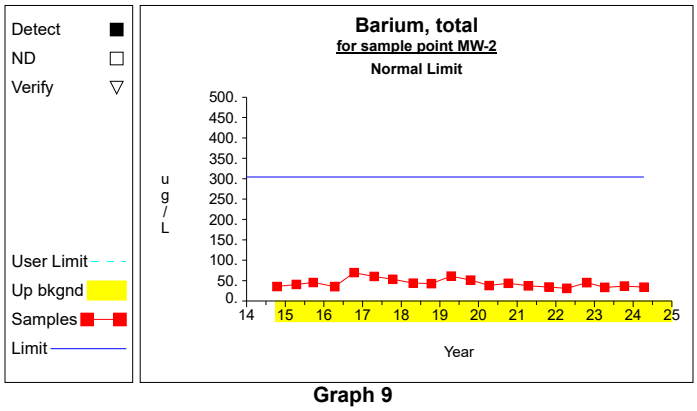
Graph 7



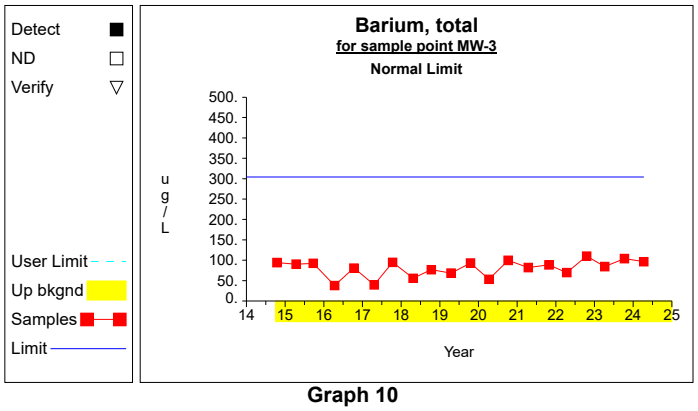
Graph 8

Prepared by: Otter Creek Environmental

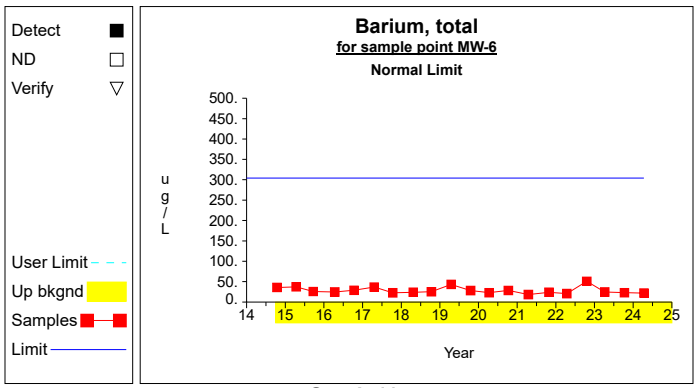
Up vs. Down Prediction Limits



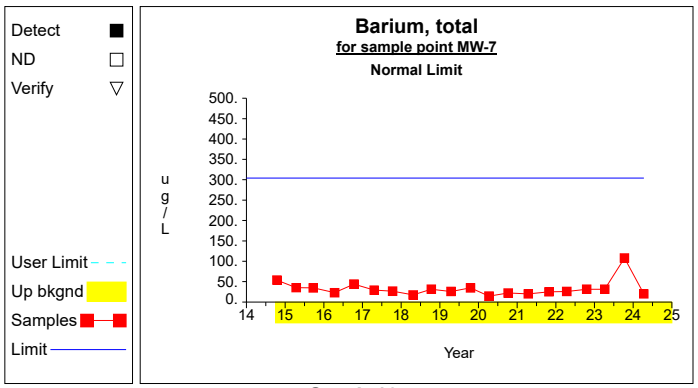
Graph 9



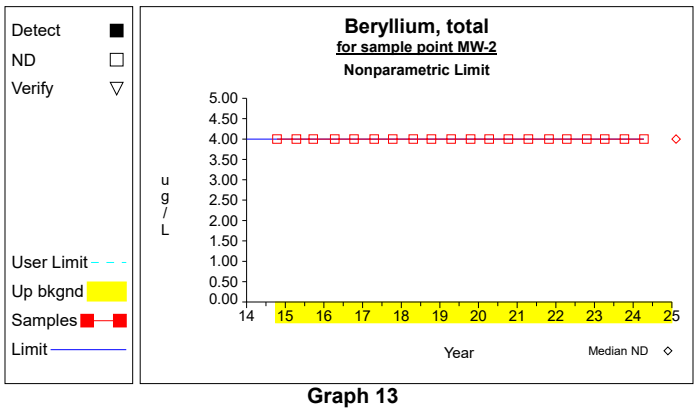
Graph 10



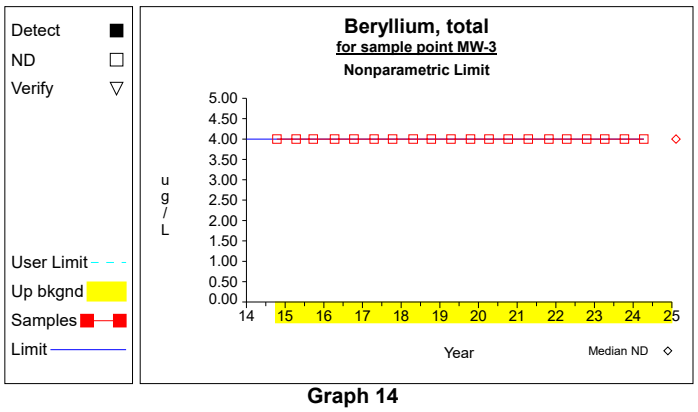
Graph 11



Graph 12



Graph 13



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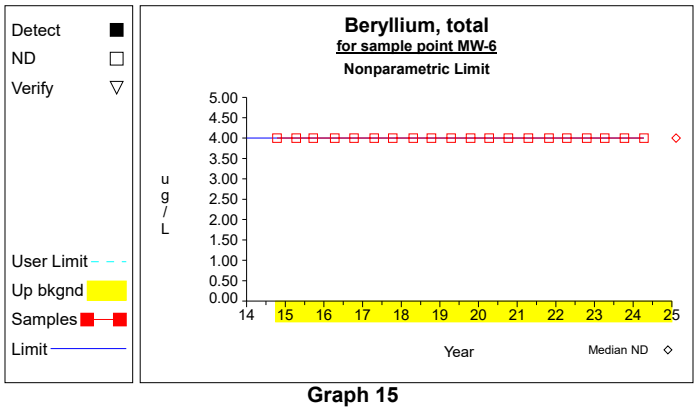

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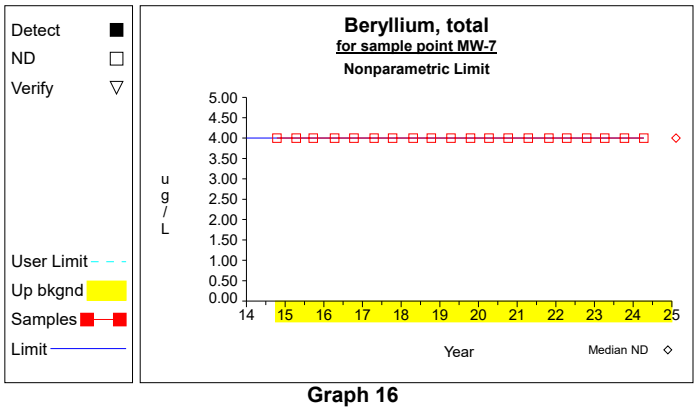

Graph 16

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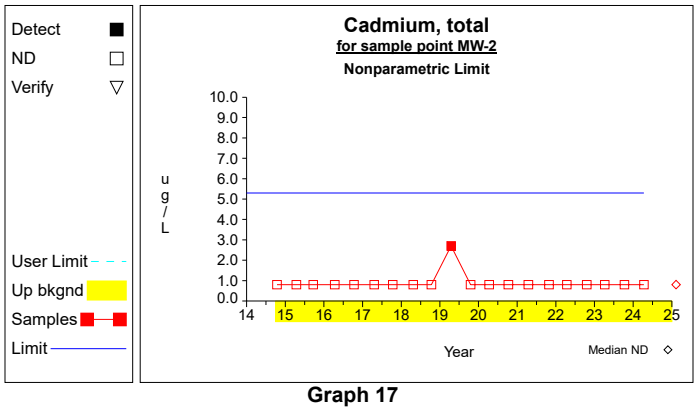
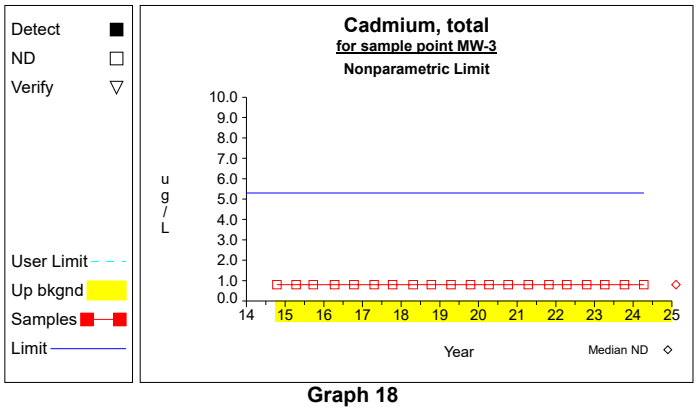
Up vs. Down Prediction Limits



Graph 17



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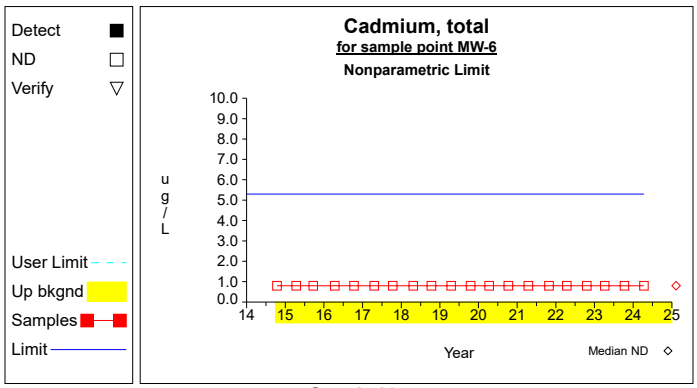

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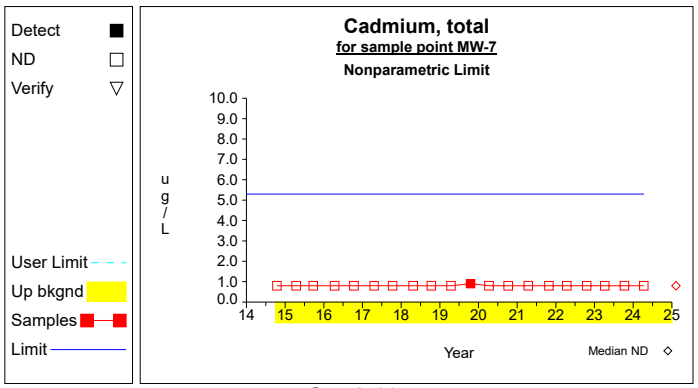

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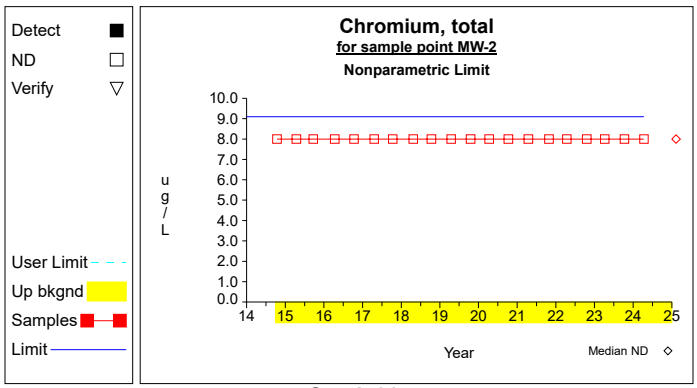

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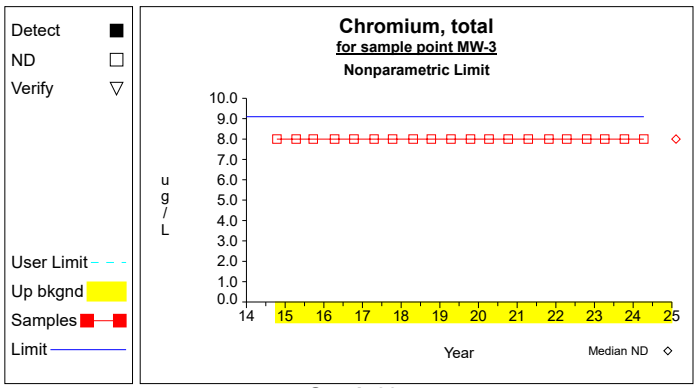

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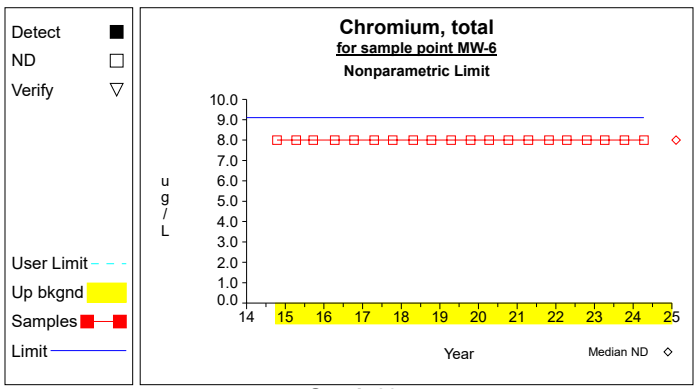

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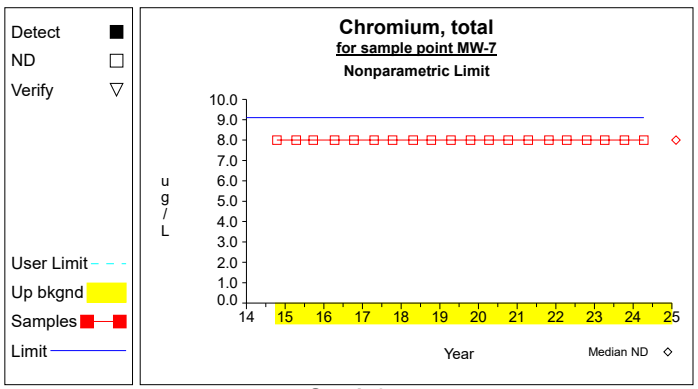

Graph 24

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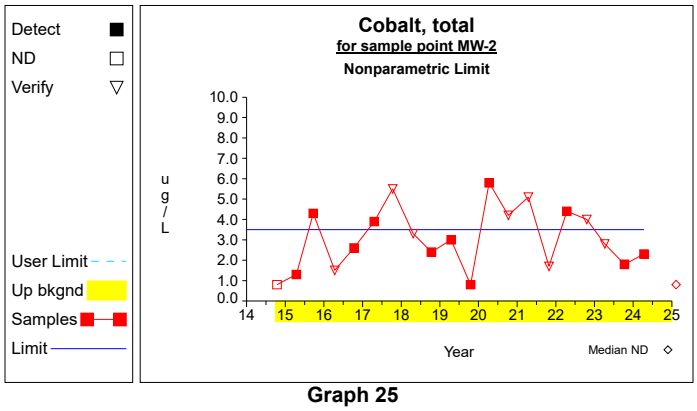
Up vs. Down Prediction Limits



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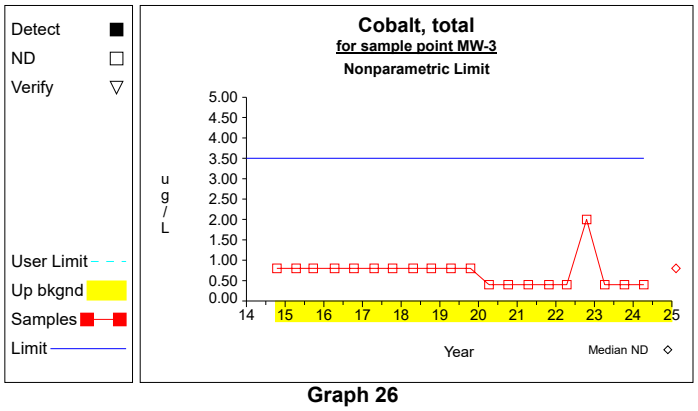
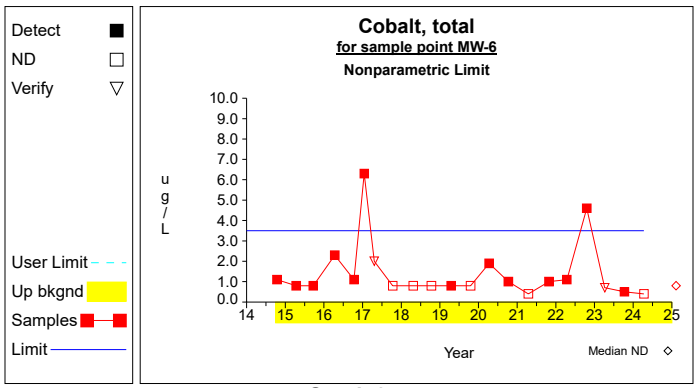
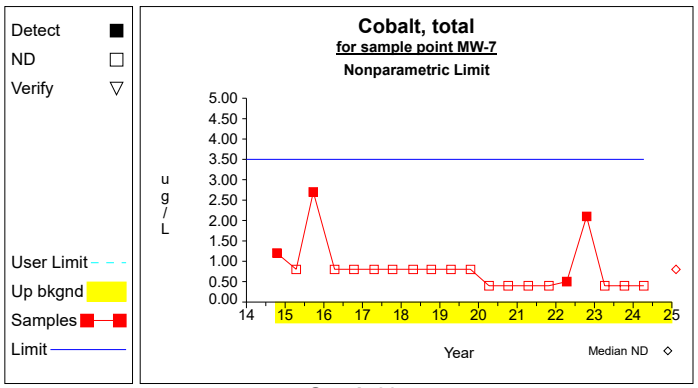


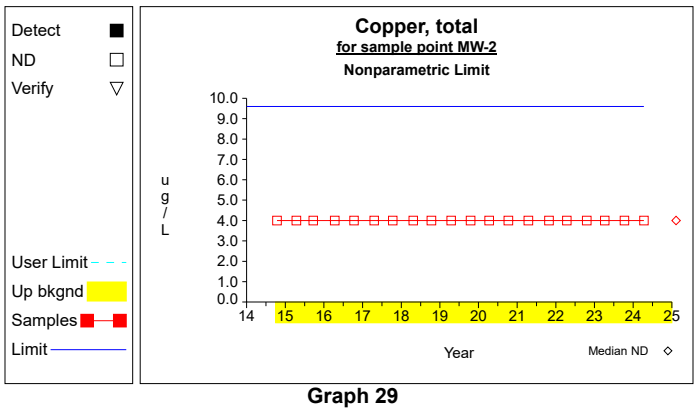
Graph 26



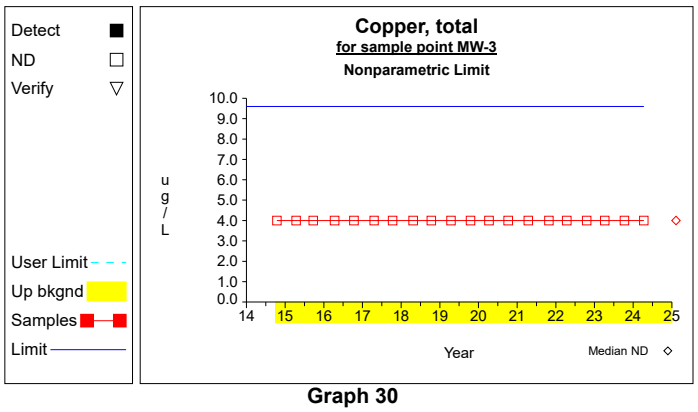
Graph 27



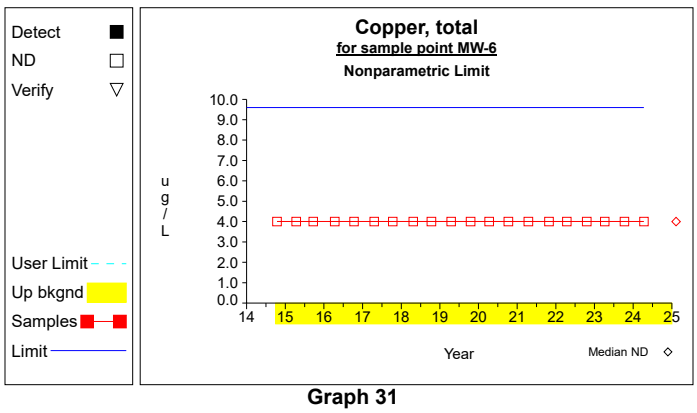
Graph 28



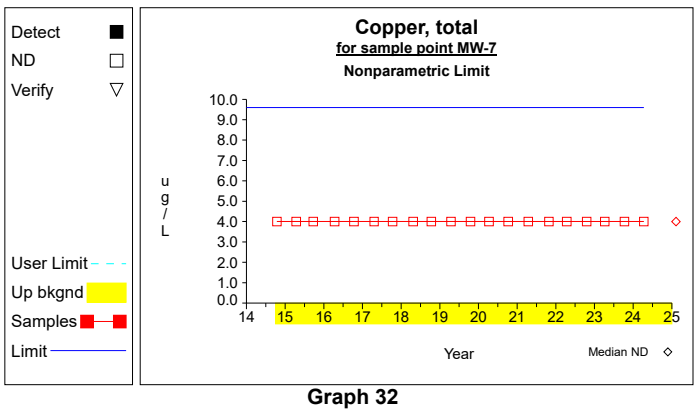
Graph 29



Graph 30



Graph 31



Graph 32

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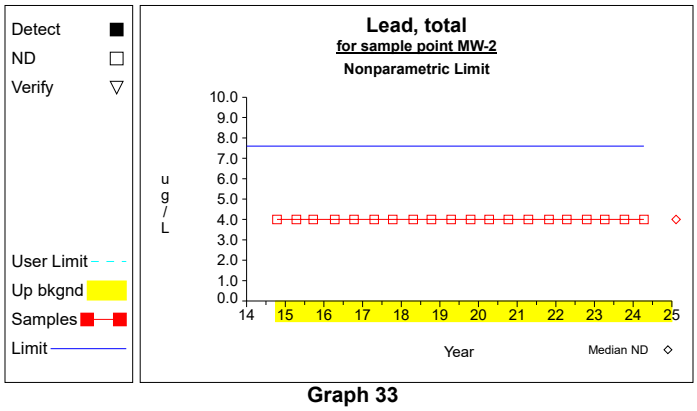
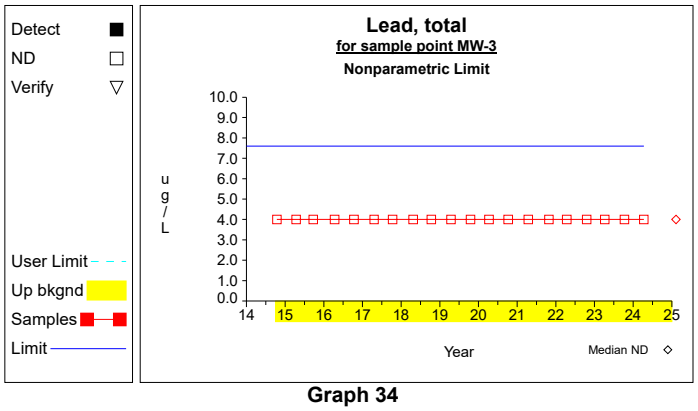
Up vs. Down Prediction Limits



Graph 33



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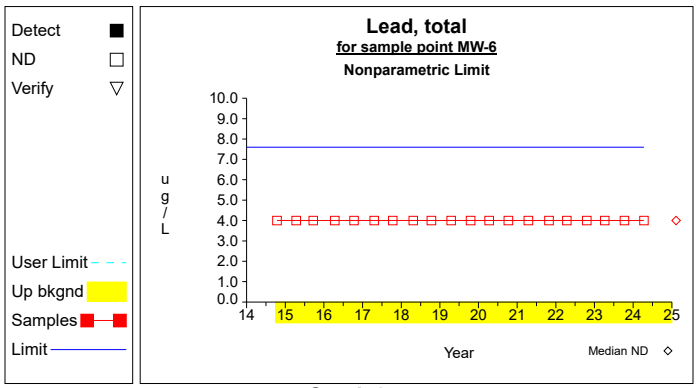

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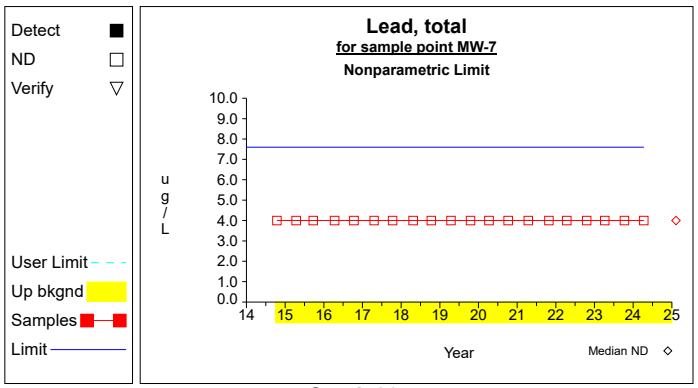

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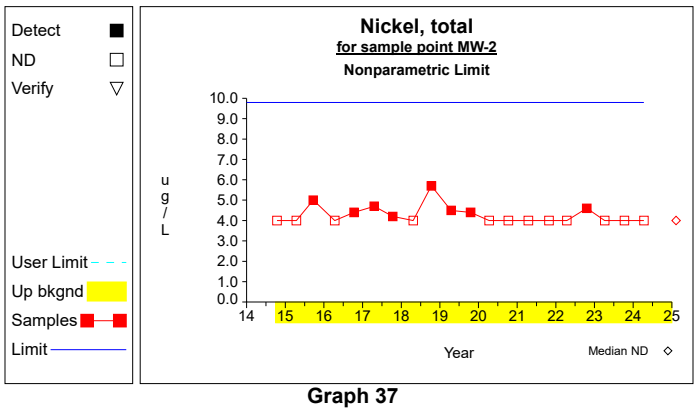
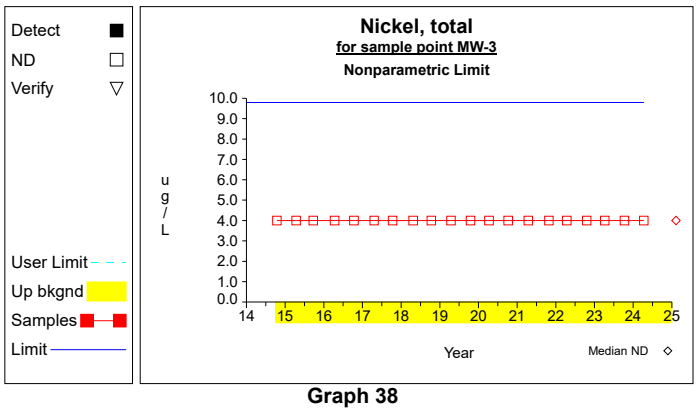
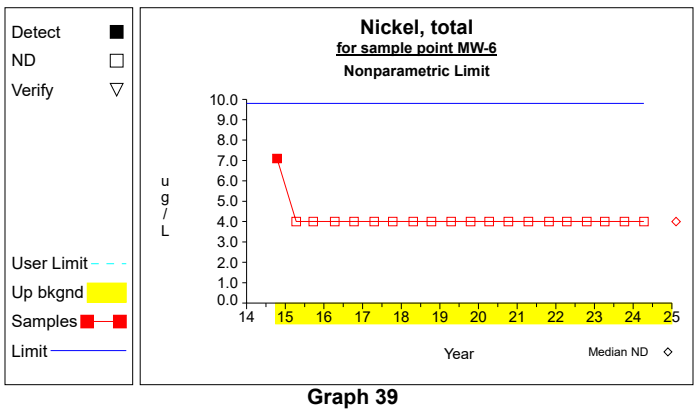


Graph 37



Graph 38



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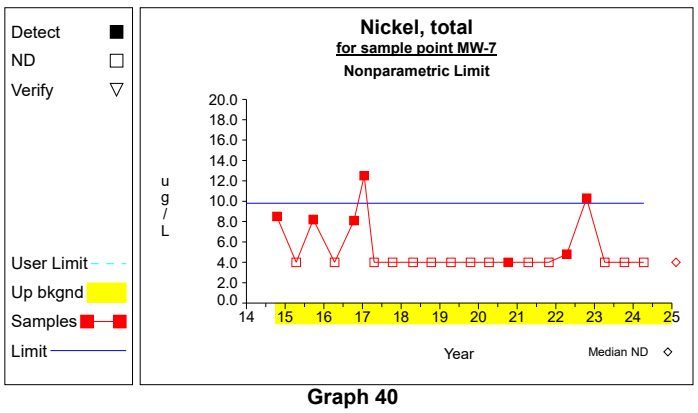

Graph 40

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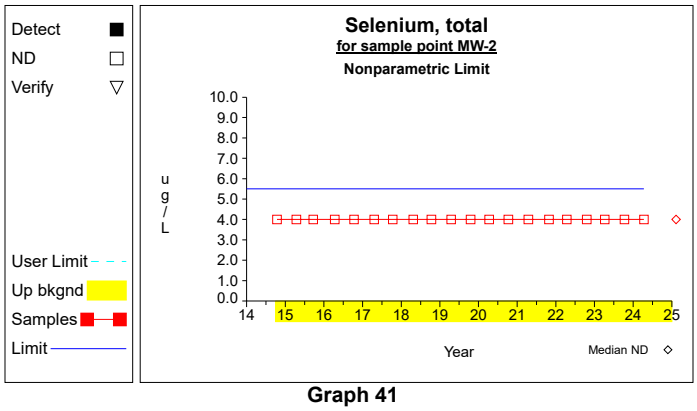
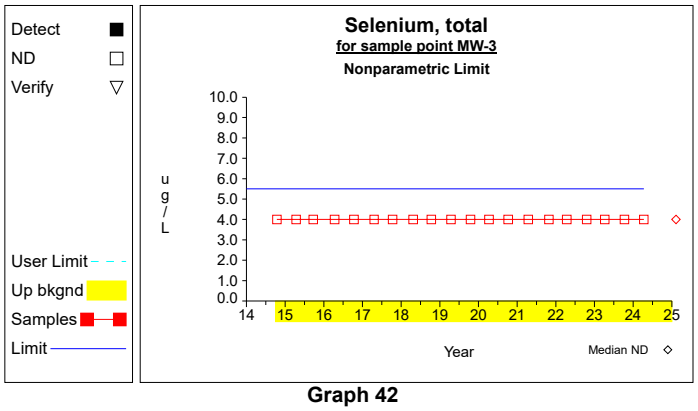
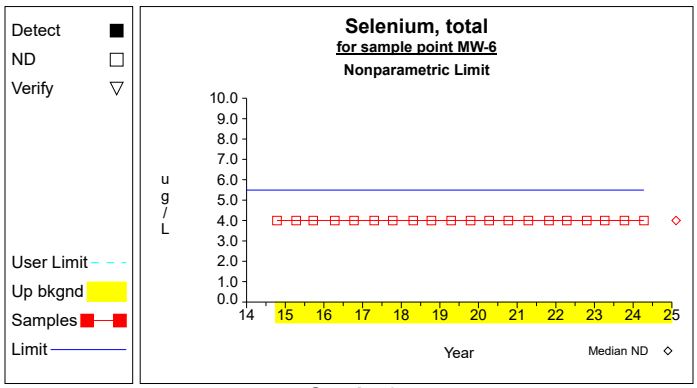
Up vs. Down Prediction Limits



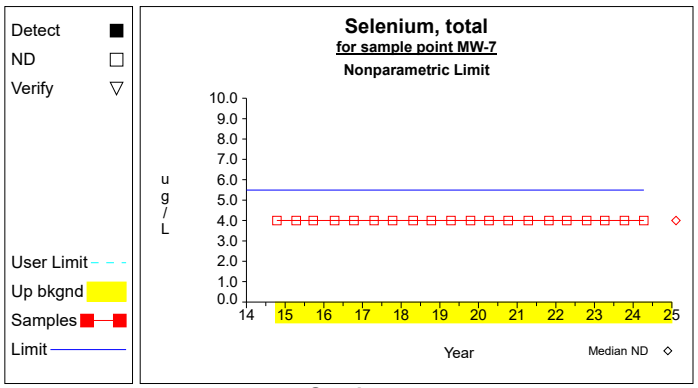
Graph 41



Graph 42



Graph 43



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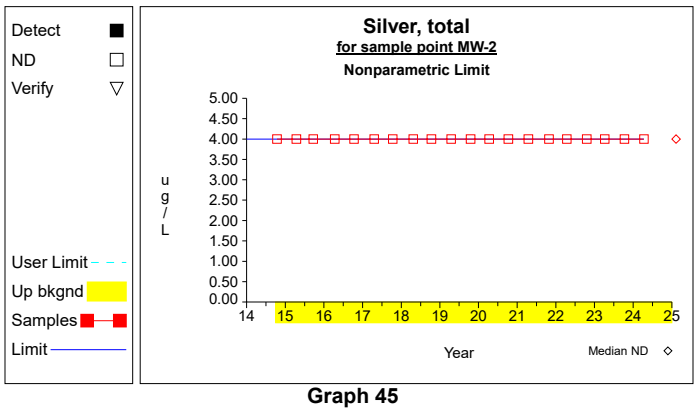
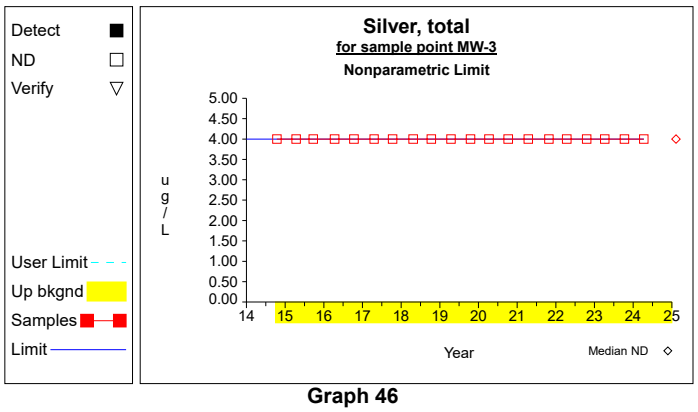


Graph 45



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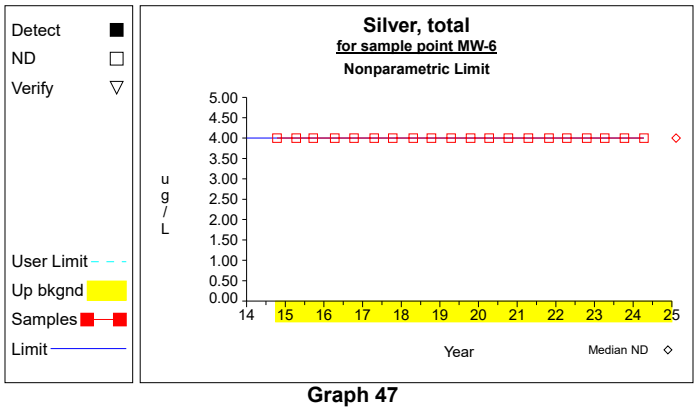
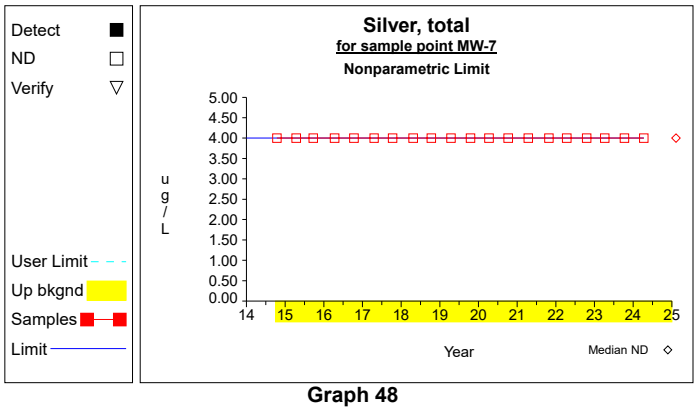
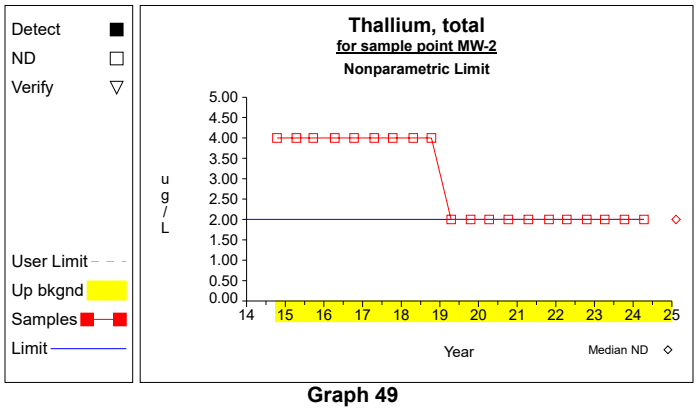


Graph 47



Graph 48

Up vs. Down Prediction Limits



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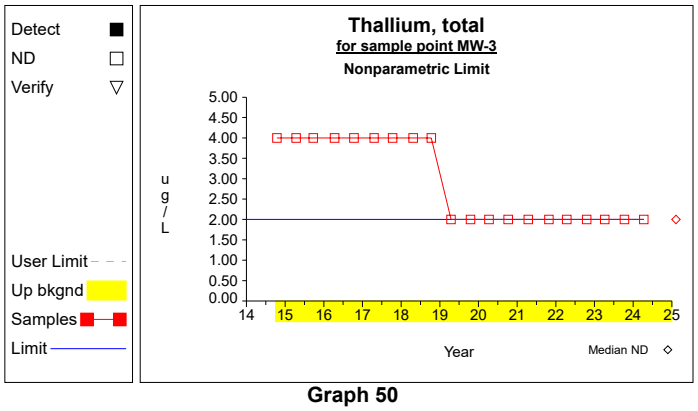
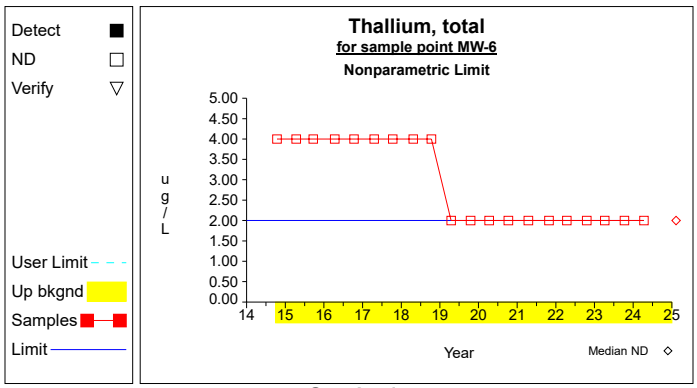
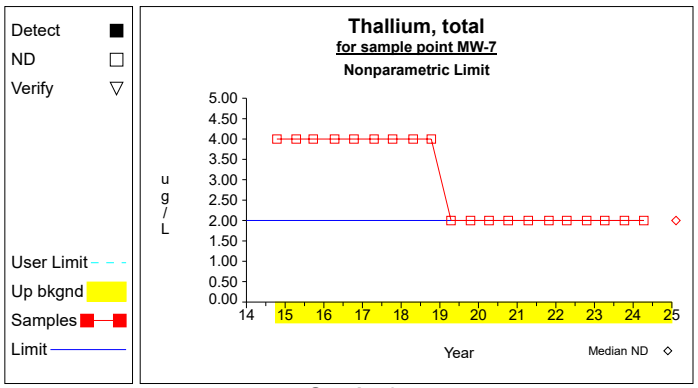


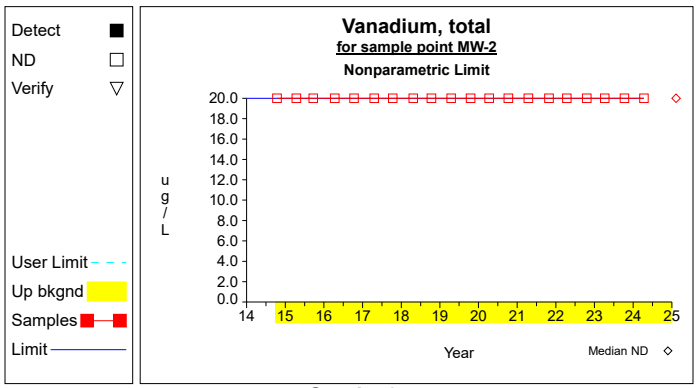
Graph 50



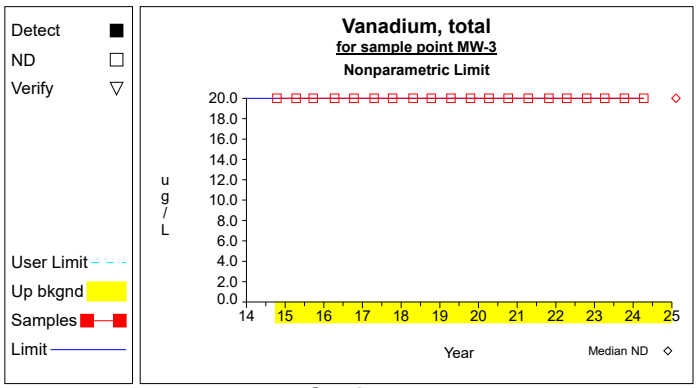
Graph 51



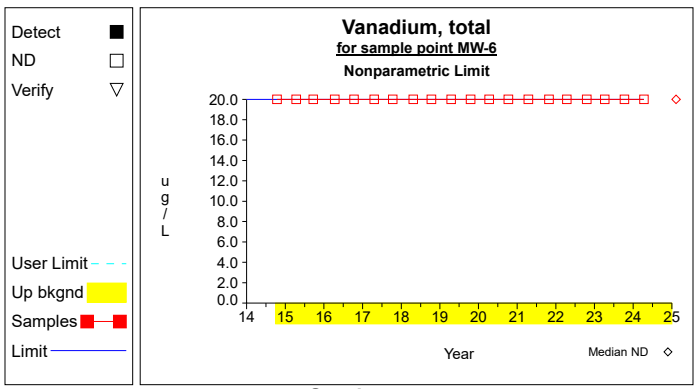
Graph 52



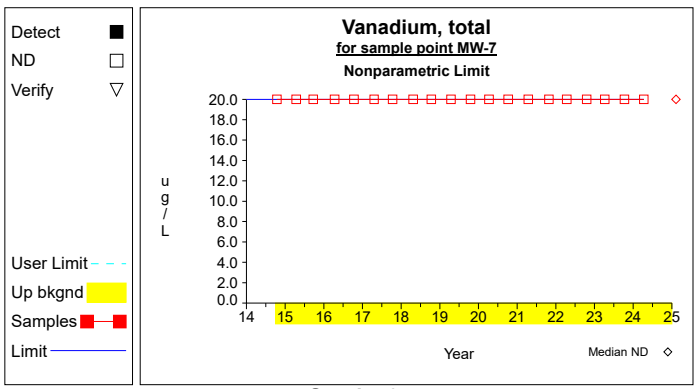
Graph 53



Graph 54



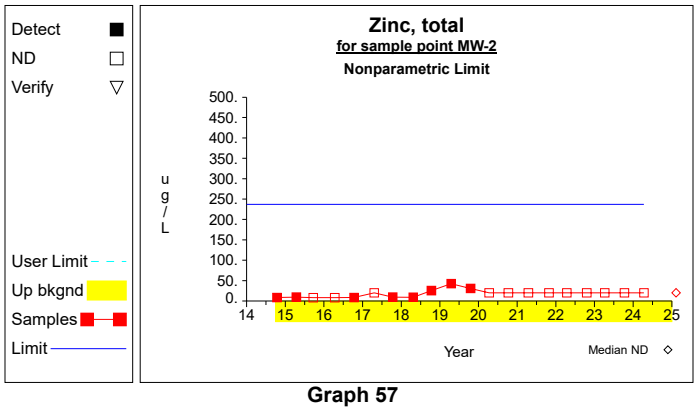
Graph 55



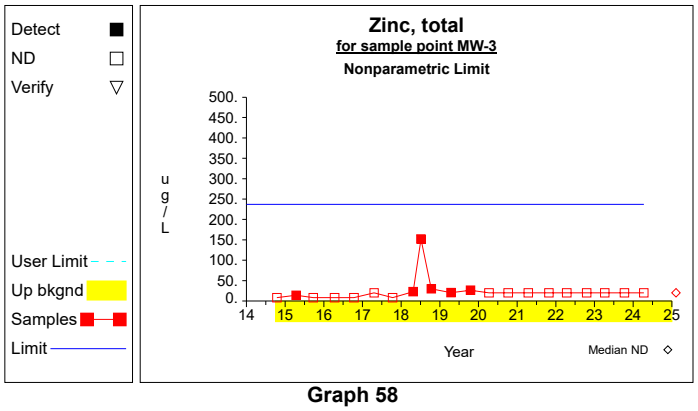
Graph 56

Prepared by: Otter Creek Environmental

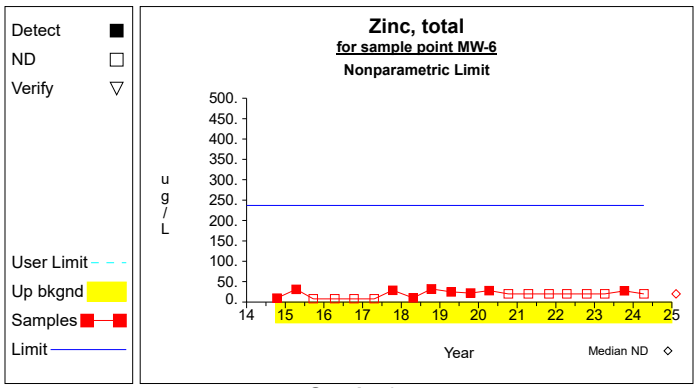
Up vs. Down Prediction Limits



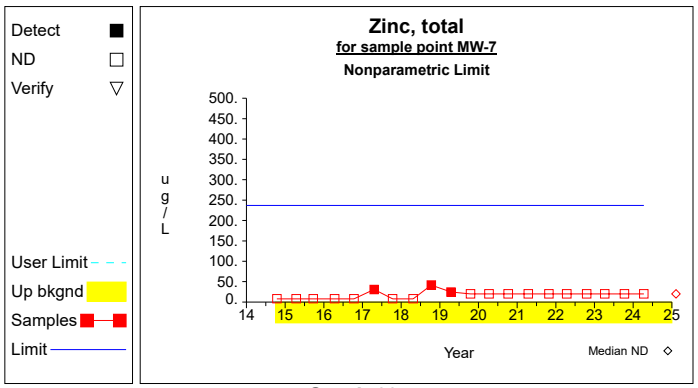
Graph 57



Graph 58



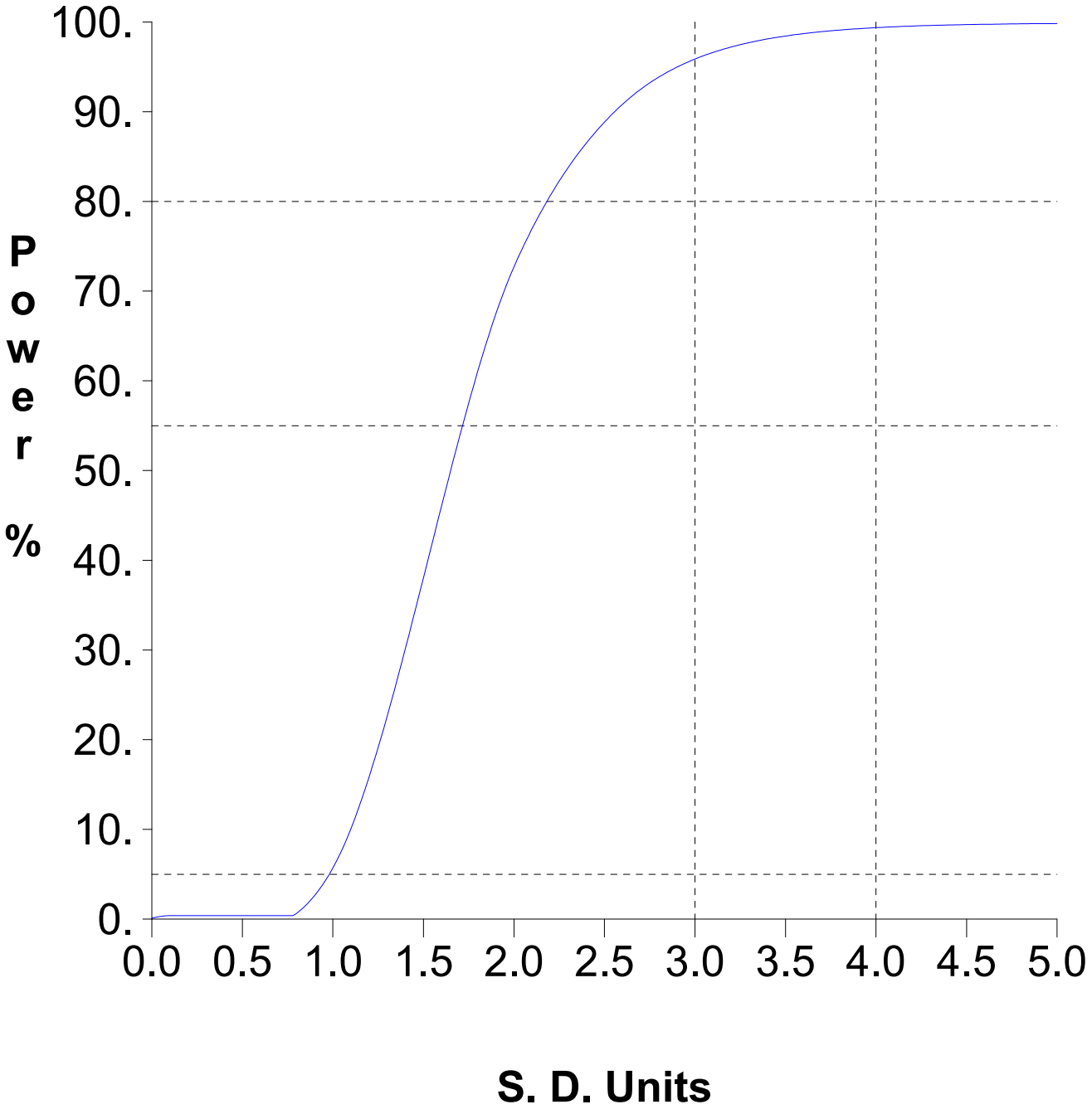
Graph 59



Graph 60

False Positive and False Negative Rates for Current

Upgradient vs. Downgradient Monitoring Program



Attachment C

Historical Organic Compound Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloropropene	MW-11	4/11/2024		3.5	1.0	ug/L
Diethyl phthalate	MW-11	4/08/2014		8	8	ug/L
Diethyl phthalate	MW-11	4/08/2014		8	8	ug/L
Methyl parathion	MW-11	10/14/2014		2.9	.4	ug/L
Phorate	MW-11	10/14/2014		.9	.4	ug/L
Thionazin	MW-11	10/14/2014		.5	.4	ug/L
Trichloroethylene	MW-11	4/11/2024		3.3	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-12	4/16/2019		16	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-12	4/09/2020		16	6	ug/L
Acetone	MW-14	5/24/2010		44.9	10.0	ug/L
Acetone	MW-14	10/12/2017		11.8	10.0	ug/L
Toluene	MW-14	5/24/2010		3.2	1.0	ug/L
Xylenes, total	MW-14	5/24/2010		4.9	2.0	ug/L
1,1-dichloropropene	MW-15	4/11/2024		3.5	1.0	ug/L
Acetone	MW-15	10/12/2017		10.8	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	10/21/2013		50	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	4/14/2015		11	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	10/11/2016		19	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	10/12/2017		15	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	10/12/2018		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	4/16/2019		7	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	10/17/2019		7	6	ug/L
Trichloroethylene	MW-15	4/11/2024		3.3	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-16	10/08/2020		8	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-16	10/28/2021		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-16	10/19/2022		19	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-2	10/12/2017		35	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-2	10/17/2019		25	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-2	10/28/2021		12	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-2	4/13/2022		11	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-3	10/17/2019		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-4	4/23/2018		11	6	ug/L
Acetone	MW-5	10/12/2017		12.2	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-6	4/23/2018		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-6	7/05/2018		8	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-6	10/17/2019		10	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-6	4/06/2023		7	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-7	4/15/2009		10	8	ug/L
Acetone	MW-9	5/24/2010		45.1	10.0	ug/L
Acetone	MW-9	10/12/2017		11.2	10.0	ug/L
Toluene	MW-9	5/24/2010		3.6	1.0	ug/L
Xylenes, total	MW-9	5/24/2010		5.6	2.0	ug/L
2-butanone (mek)	SW-1	10/12/2018		7.7	5.0	ug/L
Acetone	SW-1	4/20/2017		15.7	10.0	ug/L
Acetone	SW-1	10/12/2018		27.2	10.0	ug/L
Phorate	SW-2	10/14/2014		.4	.4	ug/L

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

Appendix B.2 – Fall Statistical Evaluation Report

GROUND WATER STATISTICS

FOR THE

FLOYD-MITCHELL-CHICKASAW COUNTIES

SANITARY LANDFILL

Second Semi-Annual Monitoring Event in 2025

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INTRODUCTION

This report summarizes the results of the statistical analysis used to evaluate the ground water quality data obtained during the second semi-annual monitoring event in 2025 at the Floyd-Mitchell-Chickasaw Counties Sanitary Landfill near Elma, in Mitchell 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. Interwell statistics were used for comparisons of current data to background data at Floyd-Mitchell-Chickasaw Counties Sanitary Landfill. The statistical plan conforms with IAC 567, Chapter 113.10 and the USEPA statistical guidance document ("*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance"*, March 2009).

Ground Water Monitoring Program

The groundwater monitoring network for Floyd-Mitchell-Chickasaw Counties Sanitary Landfill includes downgradient detection sample points MW-11, MW-12, MW-15, MW-16, SW-1, and SW-2. Upgradient sample points along the western border of the Expansion Area include MW-9 and MW-14. Monitoring wells MW-4 and MW-5 were approved by the IDNR as additional background wells in the revised permit (August 2020). 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	*trans*-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	*cis*-1,2-Dichloroethene	1,1,2,2-Tetrachloroethane
Bromoform	*trans*-1,2-Dichloroethene	Tetrachloroethene
Carbon disulfide	1,2-Dichloropropane	Toluene
Carbon tetrachloride	*cis*-1,3-Dichloropropene	1,1,1-Trichloroethane
Chlorobenzene	*trans*-1,3-Dichloropropene	1,1,2-Trichloroethane
Chloroethane	Ethylbenzene	Trichloroethene
Chloroform	2-Hexanone	Trichlorofluoromethane
Dibromochloromethane	Bromomethane	1,2,3-Trichloropropane
1,2-Dibromo-3-chloropropane	Chloromethane	Vinyl acetate
1,2-Dibromoethane	Dibromomethane	Vinyl chloride
1,2-Dichlorobenzene	Methylene chloride	Xylenes (Total)
1,4-Dichlorobenzene	2-Butanone	

Inorganic constituents:

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

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

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. Both of these methods were previously applied to the Floyd-Mitchell-Chickasaw Counties Landfill data using the DUMPStat® statistical program. The Expansion Area upgradient wells have not been monitored regularly so there was insufficient background data available to do upgradient versus downgradient comparisons previously. Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

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

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-4, MW-5, MW-9, and MW-14 during the period from October 2014 through the current data. A summary of the background data from monitoring wells MW-4, MW-5, MW-9, and MW-14, used to determine the site prediction limits, is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient sample points MW-11, MW-12, MW-15, and MW-16 compared to the site prediction limits. Prediction

limit exceedances are flagged with asterisks. For the second semi-annual 2025 monitoring data, the site prediction limit exceedances detected are summarized in the Table below.

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

Well	Trace Metal	Result	Prediction Limit	Prediction Limit Type	Verified or Awaiting Verification
MW-15	Cadmium, µg/L	21.5	5.3000	Nonparametric	Awaiting Verification
	Nickel, µg/L	16.5	9.8000	Nonparametric	Awaiting Verification

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

Table 4 summarizes the results of the Shapiro-Wilk test. The background barium data has a normal distribution 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 4 standard deviation unit increases over background.

Volatile Organic Compounds

Volatile Organic Compounds (VOCs) are generally man-made compounds not present in ambient ground water. If VOCs are detected above their statistical limit (i.e., the laboratory PQL or reporting limit), a verification resample will be conducted at the next scheduled sampling event. A statistical exceedance will be indicated if the VOC detection is confirmed by the subsequent monitoring. There were no VOCs detected in the ground water at Floyd-Mitchell-Chickasaw Counties Landfill during the second semi-annual monitoring event in 2025. Historical detections are summarized in Attachment C.

Attachment A

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

Table 1

Analytical Data Summary for 10/21/2025

Constituents	Units	MW-11	MW-12	MW-14	MW-15	MW-16	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-9
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<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	<10
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.7	2.1	<2.0	<2.0	3.2	<2.0	<2.0
Barium, total	ug/L	13.3	151.0	120.0	19.9	41.6	35.1	261.0	73.2	171.0	25.8	29.7	91.2
Benzene	ug/L	<1	<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	<.5
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.2	.4	.3	21.5	.3	<.2	.4	<.2	<.2	<.2	.4	<.2
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<1.0	1.7	1.1	1.0	<1.0	<1.0	1.4	1.1	1.2	1.5	<1.0	<1.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.5	<.5	<.5	<.5	<.5	2.1	4.9	<.5	.6	.6	.5	<.5
Copper, total	ug/L	<5.0	<5.0	<5.0	9.8	<5.0	<5.0	<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	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<1.0	<1.0	<1.0	1.6	<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	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<5.0	<5.0	<5.0	16.5	<5.0	<5.0	13.0	<5.0	<5.0	<5.0	6.2	<5.0
Selenium, total	ug/L	<2.0	<2.0	2.5	<2.0	<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	<5
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	6.1	7.9	<5.0	23.3	5.3	5.4	16.5	12.3	11.3	24.3	5.8	7.0

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

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-14	10/14/2014		2.5000		
Antimony, total	ug/L	MW-14	01/12/2015	ND	2.0000		
Antimony, total	ug/L	MW-14	04/13/2015	ND	2.0000		
Antimony, total	ug/L	MW-14	07/21/2015	ND	2.0000		
Antimony, total	ug/L	MW-14	09/23/2015	ND	2.0000		
Antimony, total	ug/L	MW-14	04/12/2016	ND	2.0000		
Antimony, total	ug/L	MW-14	10/11/2016	ND	2.0000		
Antimony, total	ug/L	MW-14	04/20/2017	ND	2.0000		
Antimony, total	ug/L	MW-14	10/12/2017	ND	2.0000		
Antimony, total	ug/L	MW-14	04/23/2018	ND	2.0000		
Antimony, total	ug/L	MW-14	10/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-14	04/16/2019	ND	2.0000		
Antimony, total	ug/L	MW-14	10/17/2019	ND	2.0000		
Antimony, total	ug/L	MW-14	04/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-14	10/08/2020	ND	2.0000		
Antimony, total	ug/L	MW-14	04/15/2021	ND	2.0000		
Antimony, total	ug/L	MW-14	10/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-14	04/13/2022	ND	2.0000		
Antimony, total	ug/L	MW-14	10/19/2022	ND	2.0000		
Antimony, total	ug/L	MW-14	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-14	10/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-14	04/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-14	10/17/2024	ND	2.0000		
Antimony, total	ug/L	MW-14	04/10/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-14	10/21/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Arsenic, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Arsenic, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Arsenic, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/17/2024	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/10/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-14	10/21/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-14	10/14/2014		184.0000		
Barium, total	ug/L	MW-14	01/12/2015		169.0000		
Barium, total	ug/L	MW-14	04/13/2015		143.0000		
Barium, total	ug/L	MW-14	07/21/2015		141.0000		
Barium, total	ug/L	MW-14	09/23/2015		185.0000		
Barium, total	ug/L	MW-14	04/12/2016		121.0000		
Barium, total	ug/L	MW-14	10/11/2016		125.0000		
Barium, total	ug/L	MW-14	04/20/2017		140.0000		
Barium, total	ug/L	MW-14	10/12/2017		170.0000		
Barium, total	ug/L	MW-14	04/23/2018		126.0000		
Barium, total	ug/L	MW-14	10/12/2018		128.0000		
Barium, total	ug/L	MW-14	04/16/2019		114.0000		
Barium, total	ug/L	MW-14	10/17/2019		155.0000		
Barium, total	ug/L	MW-14	04/09/2020		117.0000		
Barium, total	ug/L	MW-14	10/08/2020		137.0000		
Barium, total	ug/L	MW-14	04/15/2021		120.0000		
Barium, total	ug/L	MW-14	10/28/2021		102.0000		
Barium, total	ug/L	MW-14	04/13/2022		107.0000		
Barium, total	ug/L	MW-14	10/19/2022		133.0000		
Barium, total	ug/L	MW-14	04/06/2023		117.0000		
Barium, total	ug/L	MW-14	10/10/2023		140.0000		
Barium, total	ug/L	MW-14	04/11/2024		114.0000		
Barium, total	ug/L	MW-14	10/17/2024		220.0000		
Barium, total	ug/L	MW-14	04/10/2025		113.0000		

* - 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-14	10/21/2025		120.0000		
Beryllium, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Beryllium, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Beryllium, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Beryllium, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/17/2024	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/10/2025	ND	0.5000	4.0000	**
Beryllium, total	ug/L	MW-14	10/21/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-14	10/14/2014	ND	0.8000		
Cadmium, total	ug/L	MW-14	01/12/2015	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/13/2015	ND	0.8000		
Cadmium, total	ug/L	MW-14	07/21/2015	ND	0.8000		
Cadmium, total	ug/L	MW-14	09/23/2015	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/12/2016	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/11/2016	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/20/2017	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/12/2017	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/23/2018		5.3000		
Cadmium, total	ug/L	MW-14	10/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/16/2019	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/17/2019	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/08/2020	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/15/2021	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/13/2022	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/19/2022	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/17/2024	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/10/2025	ND	0.2000	0.8000	**
Cadmium, total	ug/L	MW-14	10/21/2025		0.3000		
Chromium, total	ug/L	MW-14	10/14/2014	ND	8.0000		
Chromium, total	ug/L	MW-14	01/12/2015	ND	8.0000		
Chromium, total	ug/L	MW-14	04/13/2015	ND	8.0000		
Chromium, total	ug/L	MW-14	07/21/2015	ND	8.0000		
Chromium, total	ug/L	MW-14	09/23/2015	ND	8.0000		
Chromium, total	ug/L	MW-14	04/12/2016	ND	8.0000		
Chromium, total	ug/L	MW-14	10/11/2016	ND	8.0000		
Chromium, total	ug/L	MW-14	04/20/2017	ND	8.0000		
Chromium, total	ug/L	MW-14	10/12/2017	ND	8.0000		
Chromium, total	ug/L	MW-14	04/23/2018	ND	8.0000		
Chromium, total	ug/L	MW-14	10/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-14	04/16/2019	ND	8.0000		
Chromium, total	ug/L	MW-14	10/17/2019	ND	8.0000		
Chromium, total	ug/L	MW-14	04/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-14	10/08/2020	ND	8.0000		
Chromium, total	ug/L	MW-14	04/15/2021	ND	8.0000		
Chromium, total	ug/L	MW-14	10/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-14	04/13/2022	ND	8.0000		
Chromium, total	ug/L	MW-14	10/19/2022	ND	8.0000		
Chromium, total	ug/L	MW-14	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-14	10/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-14	04/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-14	10/17/2024	ND	8.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium, total	ug/L	MW-14	04/10/2025	ND	1.0000	8.0000	**
Chromium, total	ug/L	MW-14	10/21/2025		1.1000		
Cobalt, total	ug/L	MW-14	10/14/2014	ND	0.8000		
Cobalt, total	ug/L	MW-14	01/12/2015	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/13/2015	ND	0.8000		
Cobalt, total	ug/L	MW-14	07/21/2015	ND	0.8000		
Cobalt, total	ug/L	MW-14	09/23/2015	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/12/2016	ND	0.8000		
Cobalt, total	ug/L	MW-14	10/11/2016	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/20/2017	ND	0.8000		
Cobalt, total	ug/L	MW-14	10/12/2017	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/23/2018	ND	0.8000		
Cobalt, total	ug/L	MW-14	10/12/2018	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/16/2019	ND	0.8000		
Cobalt, total	ug/L	MW-14	10/17/2019	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/09/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/08/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	04/15/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/28/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	04/13/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/19/2022	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-14	04/06/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	04/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/17/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	04/10/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-14	10/21/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Copper, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Copper, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Copper, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Copper, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Copper, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Copper, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Copper, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Copper, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Copper, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Copper, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Copper, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Copper, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Copper, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Copper, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Copper, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Copper, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Copper, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Copper, total	ug/L	MW-14	10/19/2022		7.0000		
Copper, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Copper, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Copper, total	ug/L	MW-14	10/17/2024	ND	4.0000		
Copper, total	ug/L	MW-14	04/10/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-14	10/21/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Lead, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Lead, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Lead, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Lead, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Lead, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Lead, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Lead, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Lead, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Lead, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Lead, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Lead, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Lead, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Lead, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Lead, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Lead, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Lead, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Lead, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Lead, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Lead, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Lead, total	ug/L	MW-14	04/11/2024	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, total	ug/L	MW-14	10/17/2024	ND	4.0000		
Lead, total	ug/L	MW-14	04/10/2025	ND	1.0000	4.0000	**
Lead, total	ug/L	MW-14	10/21/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Nickel, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Nickel, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Nickel, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Nickel, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Nickel, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Nickel, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Nickel, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Nickel, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Nickel, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Nickel, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Nickel, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Nickel, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Nickel, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Nickel, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Nickel, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Nickel, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Nickel, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Nickel, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-14	10/17/2024	ND	4.0000		
Nickel, total	ug/L	MW-14	04/10/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-14	10/21/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Selenium, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Selenium, total	ug/L	MW-14	04/13/2015		5.1000		
Selenium, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Selenium, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Selenium, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Selenium, total	ug/L	MW-14	10/11/2016		5.5000		
Selenium, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Selenium, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Selenium, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Selenium, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Selenium, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Selenium, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Selenium, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Selenium, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Selenium, total	ug/L	MW-14	10/19/2022		5.5000		
Selenium, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-14	10/17/2024	ND	4.0000		
Selenium, total	ug/L	MW-14	04/10/2025		2.4000		
Selenium, total	ug/L	MW-14	10/21/2025		2.5000		
Silver, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Silver, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Silver, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Silver, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Silver, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Silver, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Silver, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Silver, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Silver, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Silver, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Silver, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Silver, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Silver, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Silver, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Silver, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Silver, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Silver, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Silver, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Silver, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Silver, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-14	10/10/2023	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Silver, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Silver, total	ug/L	MW-14	10/17/2024	ND	4.0000		
Silver, total	ug/L	MW-14	04/10/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-14	10/21/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-14	10/14/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	01/12/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/13/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	07/21/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	09/23/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/12/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	10/11/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/20/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	10/12/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/23/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	10/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/16/2019	ND	2.0000		
Thallium, total	ug/L	MW-14	10/17/2019	ND	2.0000		
Thallium, total	ug/L	MW-14	04/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-14	10/08/2020	ND	2.0000		
Thallium, total	ug/L	MW-14	04/15/2021	ND	2.0000		
Thallium, total	ug/L	MW-14	10/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-14	04/13/2022	ND	2.0000		
Thallium, total	ug/L	MW-14	10/19/2022	ND	2.0000		
Thallium, total	ug/L	MW-14	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-14	10/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-14	04/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-14	10/17/2024	ND	2.0000		
Thallium, total	ug/L	MW-14	04/10/2025	ND	0.5000	2.0000	**
Thallium, total	ug/L	MW-14	10/21/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-14	10/14/2014	ND	20.0000		
Vanadium, total	ug/L	MW-14	01/12/2015	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/13/2015	ND	20.0000		
Vanadium, total	ug/L	MW-14	07/21/2015	ND	20.0000		
Vanadium, total	ug/L	MW-14	09/23/2015	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/12/2016	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/11/2016	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/20/2017	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/12/2017	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/23/2018	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/16/2019	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/17/2019	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/08/2020	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/15/2021	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/13/2022	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/19/2022	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/17/2024	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/10/2025	ND	2.0000	20.0000	**
Vanadium, total	ug/L	MW-14	10/21/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-14	10/14/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	01/12/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	04/13/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	07/21/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	09/23/2015	ND	20.0000		
Zinc, total	ug/L	MW-14	04/12/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	10/11/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	04/20/2017	ND	20.0000		
Zinc, total	ug/L	MW-14	10/12/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	04/23/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	10/12/2018		16.1000		
Zinc, total	ug/L	MW-14	04/16/2019	ND	20.0000		
Zinc, total	ug/L	MW-14	10/17/2019	ND	20.0000		
Zinc, total	ug/L	MW-14	04/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-14	10/08/2020	ND	20.0000		
Zinc, total	ug/L	MW-14	04/15/2021	ND	20.0000		
Zinc, total	ug/L	MW-14	10/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-14	04/13/2022	ND	20.0000		
Zinc, total	ug/L	MW-14	10/19/2022	ND	20.0000		
Zinc, total	ug/L	MW-14	04/06/2023	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-14	10/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-14	04/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-14	10/17/2024	ND	20.0000		
Zinc, total	ug/L	MW-14	04/10/2025	ND	5.0000	20.0000	**
Zinc, total	ug/L	MW-14	10/21/2025	ND	5.0000	20.0000	**
Antimony, total	ug/L	MW-4	10/14/2014	ND	2.0000		
Antimony, total	ug/L	MW-4	04/13/2015	ND	2.0000		
Antimony, total	ug/L	MW-4	09/23/2015	ND	2.0000		
Antimony, total	ug/L	MW-4	04/12/2016	ND	2.0000		
Antimony, total	ug/L	MW-4	10/11/2016	ND	2.0000		
Antimony, total	ug/L	MW-4	04/20/2017	ND	2.0000		
Antimony, total	ug/L	MW-4	10/12/2017	ND	2.0000		
Antimony, total	ug/L	MW-4	04/23/2018	ND	2.0000		
Antimony, total	ug/L	MW-4	10/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-4	04/16/2019	ND	2.0000		
Antimony, total	ug/L	MW-4	10/17/2019	ND	2.0000		
Antimony, total	ug/L	MW-4	04/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-4	10/08/2020	ND	2.0000		
Antimony, total	ug/L	MW-4	04/15/2021	ND	2.0000		
Antimony, total	ug/L	MW-4	10/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-4	04/13/2022	ND	2.0000		
Antimony, total	ug/L	MW-4	10/19/2022	ND	2.0000		
Antimony, total	ug/L	MW-4	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-4	10/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-4	04/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-4	10/17/2024	ND	2.0000		
Antimony, total	ug/L	MW-4	04/10/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-4	10/21/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Arsenic, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/06/2023		4.5000		
Arsenic, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/17/2024	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/10/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-4	10/21/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-4	10/14/2014		141.0000		
Barium, total	ug/L	MW-4	04/13/2015		103.0000		
Barium, total	ug/L	MW-4	09/23/2015		92.5000		
Barium, total	ug/L	MW-4	04/12/2016		66.2000		
Barium, total	ug/L	MW-4	10/11/2016		77.7000		
Barium, total	ug/L	MW-4	04/20/2017		128.0000		
Barium, total	ug/L	MW-4	10/12/2017		83.8000		
Barium, total	ug/L	MW-4	04/23/2018		116.0000		
Barium, total	ug/L	MW-4	10/12/2018		111.0000		
Barium, total	ug/L	MW-4	04/16/2019		71.2000		
Barium, total	ug/L	MW-4	10/17/2019		137.0000		
Barium, total	ug/L	MW-4	04/09/2020		65.3000		
Barium, total	ug/L	MW-4	10/08/2020		75.2000		
Barium, total	ug/L	MW-4	04/15/2021		49.6000		
Barium, total	ug/L	MW-4	10/28/2021		73.2000		
Barium, total	ug/L	MW-4	04/13/2022		63.6000		
Barium, total	ug/L	MW-4	10/19/2022		81.8000		
Barium, total	ug/L	MW-4	04/06/2023		162.0000		
Barium, total	ug/L	MW-4	10/10/2023		67.4000		
Barium, total	ug/L	MW-4	04/11/2024		33.4000		
Barium, total	ug/L	MW-4	10/17/2024		76.7000		
Barium, total	ug/L	MW-4	04/10/2025		55.3000		
Barium, total	ug/L	MW-4	10/21/2025		73.2000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Beryllium, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/17/2024	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/10/2025	ND	0.5000	4.0000	**
Beryllium, total	ug/L	MW-4	10/21/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-4	10/14/2014	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/13/2015	ND	0.8000		
Cadmium, total	ug/L	MW-4	09/23/2015	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/12/2016	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/11/2016	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/20/2017	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/12/2017	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/23/2018	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/16/2019	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/17/2019	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/08/2020	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/15/2021	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/13/2022	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/19/2022	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/17/2024	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/10/2025		0.8000		
Cadmium, total	ug/L	MW-4	10/21/2025	ND	0.2000	0.8000	**
Chromium, total	ug/L	MW-4	10/14/2014	ND	8.0000		
Chromium, total	ug/L	MW-4	04/13/2015	ND	8.0000		
Chromium, total	ug/L	MW-4	09/23/2015	ND	8.0000		
Chromium, total	ug/L	MW-4	04/12/2016	ND	8.0000		
Chromium, total	ug/L	MW-4	10/11/2016	ND	8.0000		
Chromium, total	ug/L	MW-4	04/20/2017		9.1000		
Chromium, total	ug/L	MW-4	10/12/2017	ND	8.0000		
Chromium, total	ug/L	MW-4	04/23/2018	ND	8.0000		
Chromium, total	ug/L	MW-4	10/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-4	04/16/2019	ND	8.0000		
Chromium, total	ug/L	MW-4	10/17/2019	ND	8.0000		
Chromium, total	ug/L	MW-4	04/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-4	10/08/2020	ND	8.0000		
Chromium, total	ug/L	MW-4	04/15/2021	ND	8.0000		
Chromium, total	ug/L	MW-4	10/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-4	04/13/2022	ND	8.0000		
Chromium, total	ug/L	MW-4	10/19/2022	ND	8.0000		
Chromium, total	ug/L	MW-4	04/06/2023		8.3000		
Chromium, total	ug/L	MW-4	10/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-4	04/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-4	10/17/2024	ND	8.0000		
Chromium, total	ug/L	MW-4	04/10/2025	ND	1.0000	8.0000	**
Chromium, total	ug/L	MW-4	10/21/2025		1.1000		
Cobalt, total	ug/L	MW-4	10/14/2014		2.1000		
Cobalt, total	ug/L	MW-4	04/13/2015	ND	0.8000		
Cobalt, total	ug/L	MW-4	09/23/2015	ND	0.8000		
Cobalt, total	ug/L	MW-4	04/12/2016	ND	0.8000		
Cobalt, total	ug/L	MW-4	10/11/2016	ND	0.8000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-4	04/20/2017		3.3000		
Cobalt, total	ug/L	MW-4	10/12/2017	ND	0.8000		
Cobalt, total	ug/L	MW-4	04/23/2018		2.8000		
Cobalt, total	ug/L	MW-4	10/12/2018		1.4000		
Cobalt, total	ug/L	MW-4	04/16/2019	ND	0.8000		
Cobalt, total	ug/L	MW-4	10/17/2019		2.0000		
Cobalt, total	ug/L	MW-4	04/09/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	10/08/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	04/15/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	10/28/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	04/13/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	10/19/2022	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-4	04/06/2023		3.5000		
Cobalt, total	ug/L	MW-4	10/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	04/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	10/17/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	04/10/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-4	10/21/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-4	10/14/2014		6.1000		
Copper, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Copper, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Copper, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Copper, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Copper, total	ug/L	MW-4	04/20/2017		5.5000		
Copper, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Copper, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Copper, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Copper, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Copper, total	ug/L	MW-4	10/17/2019		4.3000		
Copper, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Copper, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Copper, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Copper, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Copper, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Copper, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Copper, total	ug/L	MW-4	04/06/2023		9.1000		
Copper, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Copper, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Copper, total	ug/L	MW-4	10/17/2024	ND	4.0000		
Copper, total	ug/L	MW-4	04/10/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-4	10/21/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Lead, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Lead, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Lead, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Lead, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Lead, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Lead, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Lead, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Lead, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Lead, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Lead, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Lead, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Lead, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Lead, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Lead, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Lead, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Lead, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Lead, total	ug/L	MW-4	04/06/2023		7.6000		
Lead, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Lead, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Lead, total	ug/L	MW-4	10/17/2024	ND	4.0000		
Lead, total	ug/L	MW-4	04/10/2025	ND	1.0000	4.0000	**
Lead, total	ug/L	MW-4	10/21/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-4	10/14/2014		6.2000		
Nickel, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Nickel, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Nickel, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Nickel, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Nickel, total	ug/L	MW-4	04/20/2017		9.5000		
Nickel, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Nickel, total	ug/L	MW-4	04/23/2018		4.5000		
Nickel, total	ug/L	MW-4	10/12/2018		4.7000		
Nickel, total	ug/L	MW-4	04/16/2019	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	
Nickel, total	ug/L	MW-4	10/17/2019		6.0000		
Nickel, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Nickel, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Nickel, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Nickel, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Nickel, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Nickel, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Nickel, total	ug/L	MW-4	04/06/2023		9.8000		
Nickel, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-4	10/17/2024	ND	4.0000		
Nickel, total	ug/L	MW-4	04/10/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-4	10/21/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Selenium, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Selenium, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Selenium, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Selenium, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Selenium, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Selenium, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Selenium, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Selenium, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Selenium, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Selenium, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Selenium, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Selenium, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Selenium, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Selenium, total	ug/L	MW-4	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-4	10/17/2024	ND	4.0000		
Selenium, total	ug/L	MW-4	04/10/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-4	10/21/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Silver, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Silver, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Silver, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Silver, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Silver, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Silver, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Silver, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Silver, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Silver, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Silver, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Silver, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Silver, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Silver, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Silver, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Silver, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Silver, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Silver, total	ug/L	MW-4	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Silver, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Silver, total	ug/L	MW-4	10/17/2024	ND	4.0000		
Silver, total	ug/L	MW-4	04/10/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-4	10/21/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-4	10/14/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/13/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	09/23/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/12/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	10/11/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/20/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	10/12/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/23/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	10/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/16/2019	ND	2.0000		
Thallium, total	ug/L	MW-4	10/17/2019	ND	2.0000		
Thallium, total	ug/L	MW-4	04/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-4	10/08/2020	ND	2.0000		
Thallium, total	ug/L	MW-4	04/15/2021	ND	2.0000		
Thallium, total	ug/L	MW-4	10/28/2021	ND	2.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-4	04/13/2022	ND	2.0000		
Thallium, total	ug/L	MW-4	10/19/2022	ND	2.0000		
Thallium, total	ug/L	MW-4	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-4	10/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-4	04/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-4	10/17/2024	ND	2.0000		
Thallium, total	ug/L	MW-4	04/10/2025	ND	0.5000	2.0000	**
Thallium, total	ug/L	MW-4	10/21/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-4	10/14/2014	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/13/2015	ND	20.0000		
Vanadium, total	ug/L	MW-4	09/23/2015	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/12/2016	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/11/2016	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/20/2017	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/12/2017	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/23/2018	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/16/2019	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/17/2019	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/08/2020	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/15/2021	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/13/2022	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/19/2022	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/17/2024	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/10/2025	ND	2.0000	20.0000	**
Vanadium, total	ug/L	MW-4	10/21/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-4	10/14/2014		40.0000		
Zinc, total	ug/L	MW-4	01/12/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-4	04/13/2015		12.4000		
Zinc, total	ug/L	MW-4	09/23/2015		10.3000		
Zinc, total	ug/L	MW-4	04/12/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-4	10/11/2016		11.9000		
Zinc, total	ug/L	MW-4	01/17/2017		58.9000		
Zinc, total	ug/L	MW-4	04/20/2017		57.6000		
Zinc, total	ug/L	MW-4	10/12/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-4	04/23/2018		159.0000		
Zinc, total	ug/L	MW-4	10/12/2018		237.0000		
Zinc, total	ug/L	MW-4	04/16/2019	ND	20.0000		
Zinc, total	ug/L	MW-4	10/17/2019		130.0000		
Zinc, total	ug/L	MW-4	04/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-4	10/08/2020	ND	20.0000		
Zinc, total	ug/L	MW-4	04/15/2021	ND	20.0000		
Zinc, total	ug/L	MW-4	10/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-4	04/13/2022	ND	20.0000		
Zinc, total	ug/L	MW-4	10/19/2022		216.0000		
Zinc, total	ug/L	MW-4	04/06/2023		627.0000		*
Zinc, total	ug/L	MW-4	10/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-4	04/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-4	10/17/2024		70.9000		
Zinc, total	ug/L	MW-4	04/10/2025		19.7000		
Zinc, total	ug/L	MW-4	10/21/2025		12.3000		
Antimony, total	ug/L	MW-5	10/14/2014	ND	2.0000		
Antimony, total	ug/L	MW-5	04/13/2015	ND	2.0000		
Antimony, total	ug/L	MW-5	09/23/2015	ND	2.0000		
Antimony, total	ug/L	MW-5	04/12/2016	ND	2.0000		
Antimony, total	ug/L	MW-5	10/11/2016	ND	2.0000		
Antimony, total	ug/L	MW-5	04/20/2017	ND	2.0000		
Antimony, total	ug/L	MW-5	10/12/2017	ND	2.0000		
Antimony, total	ug/L	MW-5	04/23/2018	ND	2.0000		
Antimony, total	ug/L	MW-5	10/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-5	04/16/2019	ND	2.0000		
Antimony, total	ug/L	MW-5	10/17/2019	ND	2.0000		
Antimony, total	ug/L	MW-5	04/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-5	10/08/2020	ND	2.0000		
Antimony, total	ug/L	MW-5	04/15/2021	ND	2.0000		
Antimony, total	ug/L	MW-5	10/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-5	04/13/2022	ND	2.0000		
Antimony, total	ug/L	MW-5	10/19/2022	ND	2.0000		
Antimony, total	ug/L	MW-5	04/06/2023	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-5	10/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-5	04/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-5	10/17/2024	ND	2.0000		
Antimony, total	ug/L	MW-5	04/10/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-5	10/21/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Arsenic, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/17/2024		4.0000		
Arsenic, total	ug/L	MW-5	04/10/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-5	10/21/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-5	10/14/2014		251.0000		
Barium, total	ug/L	MW-5	04/13/2015		272.0000		
Barium, total	ug/L	MW-5	09/23/2015		330.0000		
Barium, total	ug/L	MW-5	11/24/2015		328.0000		
Barium, total	ug/L	MW-5	04/12/2016		167.0000		
Barium, total	ug/L	MW-5	10/11/2016		262.0000		
Barium, total	ug/L	MW-5	04/20/2017		338.0000		
Barium, total	ug/L	MW-5	10/12/2017		276.0000		
Barium, total	ug/L	MW-5	04/23/2018		206.0000		
Barium, total	ug/L	MW-5	10/12/2018		212.0000		
Barium, total	ug/L	MW-5	04/16/2019		193.0000		
Barium, total	ug/L	MW-5	10/17/2019		296.0000		
Barium, total	ug/L	MW-5	04/09/2020		268.0000		
Barium, total	ug/L	MW-5	10/08/2020		268.0000		
Barium, total	ug/L	MW-5	04/15/2021		71.8000		
Barium, total	ug/L	MW-5	10/28/2021		175.0000		
Barium, total	ug/L	MW-5	04/13/2022		180.0000		
Barium, total	ug/L	MW-5	10/19/2022		250.0000		
Barium, total	ug/L	MW-5	04/06/2023		206.0000		
Barium, total	ug/L	MW-5	10/10/2023		202.0000		
Barium, total	ug/L	MW-5	04/11/2024		71.7000		*
Barium, total	ug/L	MW-5	10/17/2024		287.0000		
Barium, total	ug/L	MW-5	04/10/2025		71.1000		*
Barium, total	ug/L	MW-5	10/21/2025		171.0000		
Beryllium, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Beryllium, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/17/2024	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/10/2025	ND	0.5000	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-5	10/21/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-5	10/14/2014	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/13/2015	ND	0.8000		
Cadmium, total	ug/L	MW-5	09/23/2015	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/12/2016	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/11/2016	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/20/2017	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/12/2017	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/23/2018	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/16/2019	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/17/2019	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/08/2020	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/15/2021	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/13/2022	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/19/2022	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/06/2023		1.1000		
Cadmium, total	ug/L	MW-5	10/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/17/2024		1.1000		
Cadmium, total	ug/L	MW-5	04/10/2025	ND	0.2000	0.8000	**
Cadmium, total	ug/L	MW-5	10/21/2025	ND	0.2000	0.8000	**
Chromium, total	ug/L	MW-5	10/14/2014	ND	8.0000		
Chromium, total	ug/L	MW-5	04/13/2015	ND	8.0000		
Chromium, total	ug/L	MW-5	09/23/2015	ND	8.0000		
Chromium, total	ug/L	MW-5	04/12/2016	ND	8.0000		
Chromium, total	ug/L	MW-5	10/11/2016	ND	8.0000		
Chromium, total	ug/L	MW-5	04/20/2017	ND	8.0000		
Chromium, total	ug/L	MW-5	10/12/2017	ND	8.0000		
Chromium, total	ug/L	MW-5	04/23/2018	ND	8.0000		
Chromium, total	ug/L	MW-5	10/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-5	04/16/2019	ND	8.0000		
Chromium, total	ug/L	MW-5	10/17/2019	ND	8.0000		
Chromium, total	ug/L	MW-5	04/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-5	10/08/2020	ND	8.0000		
Chromium, total	ug/L	MW-5	04/15/2021	ND	8.0000		
Chromium, total	ug/L	MW-5	10/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-5	04/13/2022	ND	8.0000		
Chromium, total	ug/L	MW-5	10/19/2022	ND	8.0000		
Chromium, total	ug/L	MW-5	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-5	10/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-5	04/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-5	10/17/2024	ND	8.0000		
Chromium, total	ug/L	MW-5	04/10/2025		1.0000		
Chromium, total	ug/L	MW-5	10/21/2025		1.2000		
Cobalt, total	ug/L	MW-5	10/14/2014	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/13/2015	ND	0.8000		
Cobalt, total	ug/L	MW-5	09/23/2015	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/12/2016	ND	0.8000		
Cobalt, total	ug/L	MW-5	10/11/2016	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/20/2017	ND	0.8000		
Cobalt, total	ug/L	MW-5	10/12/2017	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/23/2018	ND	0.8000		
Cobalt, total	ug/L	MW-5	10/12/2018	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/16/2019	ND	0.8000		
Cobalt, total	ug/L	MW-5	10/17/2019	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/09/2020		3.4000		
Cobalt, total	ug/L	MW-5	10/08/2020		0.6000		
Cobalt, total	ug/L	MW-5	04/15/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-5	10/28/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-5	04/13/2022		0.4000		
Cobalt, total	ug/L	MW-5	10/19/2022	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-5	04/06/2023		2.7000		
Cobalt, total	ug/L	MW-5	10/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-5	04/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-5	10/17/2024		3.5000		
Cobalt, total	ug/L	MW-5	04/10/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-5	10/21/2025		0.6000		
Copper, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Copper, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Copper, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Copper, total	ug/L	MW-5	04/12/2016	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Copper, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Copper, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Copper, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Copper, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Copper, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Copper, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Copper, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Copper, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Copper, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Copper, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Copper, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Copper, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Copper, total	ug/L	MW-5	04/06/2023		9.6000		
Copper, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Copper, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Copper, total	ug/L	MW-5	10/17/2024		12.6000		
Copper, total	ug/L	MW-5	04/10/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-5	10/21/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Lead, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Lead, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Lead, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Lead, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Lead, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Lead, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Lead, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Lead, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Lead, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Lead, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Lead, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Lead, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Lead, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Lead, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Lead, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Lead, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Lead, total	ug/L	MW-5	04/06/2023		6.2000		
Lead, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Lead, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Lead, total	ug/L	MW-5	10/17/2024		11.9000		
Lead, total	ug/L	MW-5	04/10/2025	ND	1.0000	4.0000	**
Lead, total	ug/L	MW-5	10/21/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-5	10/14/2014		5.9000		
Nickel, total	ug/L	MW-5	04/13/2015		6.3000		
Nickel, total	ug/L	MW-5	09/23/2015		5.7000		
Nickel, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Nickel, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Nickel, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Nickel, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Nickel, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Nickel, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Nickel, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Nickel, total	ug/L	MW-5	04/09/2020		6.8000		
Nickel, total	ug/L	MW-5	10/08/2020		6.6000		
Nickel, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Nickel, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Nickel, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Nickel, total	ug/L	MW-5	10/19/2022		5.4000		
Nickel, total	ug/L	MW-5	04/06/2023		13.1000		*
Nickel, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-5	10/17/2024		16.3000		*
Nickel, total	ug/L	MW-5	04/10/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-5	10/21/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Selenium, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Selenium, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Selenium, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Selenium, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Selenium, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Selenium, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Selenium, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Selenium, total	ug/L	MW-5	10/12/2018	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Selenium, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Selenium, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Selenium, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Selenium, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Selenium, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Selenium, total	ug/L	MW-5	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-5	10/17/2024	ND	4.0000		
Selenium, total	ug/L	MW-5	04/10/2025		2.1000		
Selenium, total	ug/L	MW-5	10/21/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Silver, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Silver, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Silver, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Silver, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Silver, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Silver, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Silver, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Silver, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Silver, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Silver, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Silver, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Silver, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Silver, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Silver, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Silver, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Silver, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Silver, total	ug/L	MW-5	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Silver, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Silver, total	ug/L	MW-5	10/17/2024	ND	4.0000		
Silver, total	ug/L	MW-5	04/10/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-5	10/21/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-5	10/14/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/13/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	09/23/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/12/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	10/11/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/20/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	10/12/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/23/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	10/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/16/2019	ND	2.0000		
Thallium, total	ug/L	MW-5	10/17/2019	ND	2.0000		
Thallium, total	ug/L	MW-5	04/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-5	10/08/2020	ND	2.0000		
Thallium, total	ug/L	MW-5	04/15/2021	ND	2.0000		
Thallium, total	ug/L	MW-5	10/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-5	04/13/2022	ND	2.0000		
Thallium, total	ug/L	MW-5	10/19/2022	ND	2.0000		
Thallium, total	ug/L	MW-5	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-5	10/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-5	04/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-5	10/17/2024	ND	2.0000		
Thallium, total	ug/L	MW-5	04/10/2025	ND	0.5000	2.0000	**
Thallium, total	ug/L	MW-5	10/21/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-5	10/14/2014	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/13/2015	ND	20.0000		
Vanadium, total	ug/L	MW-5	09/23/2015	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/12/2016	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/11/2016	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/20/2017	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/12/2017	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/23/2018	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/16/2019	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/17/2019	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/08/2020	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/15/2021	ND	20.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-5	10/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/13/2022	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/19/2022	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/17/2024	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/10/2025	ND	2.0000	20.0000	**
Vanadium, total	ug/L	MW-5	10/21/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-5	10/14/2014		24.7000		
Zinc, total	ug/L	MW-5	04/13/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	09/23/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	04/12/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	10/11/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	04/20/2017		16.5000		
Zinc, total	ug/L	MW-5	10/12/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	04/23/2018		15.2000		
Zinc, total	ug/L	MW-5	10/12/2018		20.3000		
Zinc, total	ug/L	MW-5	04/16/2019	ND	20.0000		
Zinc, total	ug/L	MW-5	10/17/2019		83.1000		
Zinc, total	ug/L	MW-5	04/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-5	10/08/2020	ND	20.0000		
Zinc, total	ug/L	MW-5	04/15/2021	ND	20.0000		
Zinc, total	ug/L	MW-5	10/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-5	04/13/2022	ND	20.0000		
Zinc, total	ug/L	MW-5	10/19/2022	ND	20.0000		
Zinc, total	ug/L	MW-5	04/06/2023		411.0000		*
Zinc, total	ug/L	MW-5	10/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-5	04/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-5	10/17/2024		1080.0000		*
Zinc, total	ug/L	MW-5	04/10/2025		11.6000		
Zinc, total	ug/L	MW-5	10/21/2025		11.3000		
Antimony, total	ug/L	MW-9	10/14/2014	ND	2.0000		
Antimony, total	ug/L	MW-9	01/12/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	04/14/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	07/21/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	09/22/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	04/12/2016	ND	2.0000		
Antimony, total	ug/L	MW-9	10/11/2016	ND	2.0000		
Antimony, total	ug/L	MW-9	04/20/2017	ND	2.0000		
Antimony, total	ug/L	MW-9	10/12/2017	ND	2.0000		
Antimony, total	ug/L	MW-9	04/23/2018	ND	2.0000		
Antimony, total	ug/L	MW-9	10/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-9	04/16/2019	ND	2.0000		
Antimony, total	ug/L	MW-9	10/17/2019	ND	2.0000		
Antimony, total	ug/L	MW-9	04/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-9	10/08/2020	ND	2.0000		
Antimony, total	ug/L	MW-9	04/15/2021	ND	2.0000		
Antimony, total	ug/L	MW-9	10/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-9	04/13/2022	ND	2.0000		
Antimony, total	ug/L	MW-9	10/19/2022	ND	2.0000		
Antimony, total	ug/L	MW-9	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-9	10/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-9	04/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-9	10/17/2024	ND	2.0000		
Antimony, total	ug/L	MW-9	04/10/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-9	10/21/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Arsenic, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Arsenic, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Arsenic, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/28/2021	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-9	04/13/2022	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/17/2024	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/10/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-9	10/21/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-9	10/14/2014		114.0000		
Barium, total	ug/L	MW-9	01/12/2015		115.0000		
Barium, total	ug/L	MW-9	04/14/2015		138.0000		
Barium, total	ug/L	MW-9	07/21/2015		111.0000		
Barium, total	ug/L	MW-9	09/22/2015		114.0000		
Barium, total	ug/L	MW-9	04/12/2016		99.2000		
Barium, total	ug/L	MW-9	10/11/2016		106.0000		
Barium, total	ug/L	MW-9	04/20/2017		116.0000		
Barium, total	ug/L	MW-9	10/12/2017		105.0000		
Barium, total	ug/L	MW-9	04/23/2018		110.0000		
Barium, total	ug/L	MW-9	10/12/2018		106.0000		
Barium, total	ug/L	MW-9	04/16/2019		106.0000		
Barium, total	ug/L	MW-9	10/17/2019		113.0000		
Barium, total	ug/L	MW-9	04/09/2020		93.9000		
Barium, total	ug/L	MW-9	10/08/2020		98.7000		
Barium, total	ug/L	MW-9	04/15/2021		93.2000		
Barium, total	ug/L	MW-9	10/28/2021		91.9000		
Barium, total	ug/L	MW-9	04/13/2022		105.0000		
Barium, total	ug/L	MW-9	10/19/2022		102.0000		
Barium, total	ug/L	MW-9	04/06/2023		96.1000		
Barium, total	ug/L	MW-9	10/10/2023		89.8000		
Barium, total	ug/L	MW-9	04/11/2024		95.5000		
Barium, total	ug/L	MW-9	10/17/2024		137.0000		
Barium, total	ug/L	MW-9	04/10/2025		90.1000		
Barium, total	ug/L	MW-9	10/21/2025		91.2000		
Beryllium, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Beryllium, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/17/2024	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/10/2025	ND	0.5000	4.0000	**
Beryllium, total	ug/L	MW-9	10/21/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-9	10/14/2014	ND	0.8000		
Cadmium, total	ug/L	MW-9	01/12/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/14/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	07/21/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/22/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/12/2016	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/11/2016	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/20/2017	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/12/2017	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/23/2018	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/16/2019		1.2000		
Cadmium, total	ug/L	MW-9	10/17/2019	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/08/2020	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/15/2021	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-9	10/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/13/2022	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/19/2022		1.3000		
Cadmium, total	ug/L	MW-9	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/17/2024	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/10/2025	ND	0.2000	0.8000	**
Cadmium, total	ug/L	MW-9	10/21/2025	ND	0.2000	0.8000	**
Chromium, total	ug/L	MW-9	10/14/2014	ND	8.0000		
Chromium, total	ug/L	MW-9	01/12/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	04/14/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	07/21/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	09/22/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	04/12/2016	ND	8.0000		
Chromium, total	ug/L	MW-9	10/11/2016	ND	8.0000		
Chromium, total	ug/L	MW-9	04/20/2017	ND	8.0000		
Chromium, total	ug/L	MW-9	10/12/2017	ND	8.0000		
Chromium, total	ug/L	MW-9	04/23/2018	ND	8.0000		
Chromium, total	ug/L	MW-9	10/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-9	04/16/2019	ND	8.0000		
Chromium, total	ug/L	MW-9	10/17/2019	ND	8.0000		
Chromium, total	ug/L	MW-9	04/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-9	10/08/2020	ND	8.0000		
Chromium, total	ug/L	MW-9	04/15/2021	ND	8.0000		
Chromium, total	ug/L	MW-9	10/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-9	04/13/2022	ND	8.0000		
Chromium, total	ug/L	MW-9	10/19/2022	ND	8.0000		
Chromium, total	ug/L	MW-9	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-9	10/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-9	04/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-9	10/17/2024	ND	8.0000		
Chromium, total	ug/L	MW-9	04/10/2025	ND	1.0000	8.0000	**
Chromium, total	ug/L	MW-9	10/21/2025	ND	1.0000	8.0000	**
Cobalt, total	ug/L	MW-9	10/14/2014	ND	0.8000		
Cobalt, total	ug/L	MW-9	01/12/2015	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/14/2015	ND	0.8000		
Cobalt, total	ug/L	MW-9	07/21/2015	ND	0.8000		
Cobalt, total	ug/L	MW-9	09/22/2015	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/12/2016	ND	0.8000		
Cobalt, total	ug/L	MW-9	10/11/2016	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/20/2017	ND	0.8000		
Cobalt, total	ug/L	MW-9	10/12/2017	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/23/2018	ND	0.8000		
Cobalt, total	ug/L	MW-9	10/12/2018	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/16/2019	ND	0.8000		
Cobalt, total	ug/L	MW-9	10/17/2019	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/09/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/08/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	04/15/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/28/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	04/13/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/19/2022	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-9	04/06/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	04/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/17/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	04/10/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-9	10/21/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Copper, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Copper, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Copper, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Copper, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Copper, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Copper, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Copper, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Copper, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Copper, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Copper, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Copper, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Copper, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Copper, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Copper, total	ug/L	MW-9	10/08/2020	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Copper, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Copper, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Copper, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Copper, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Copper, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Copper, total	ug/L	MW-9	10/17/2024	ND	4.0000		
Copper, total	ug/L	MW-9	04/10/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-9	10/21/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Lead, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Lead, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Lead, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Lead, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Lead, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Lead, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Lead, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Lead, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Lead, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Lead, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Lead, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Lead, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Lead, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Lead, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Lead, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Lead, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Lead, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Lead, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Lead, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Lead, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Lead, total	ug/L	MW-9	10/17/2024	ND	4.0000		
Lead, total	ug/L	MW-9	04/10/2025	ND	1.0000	4.0000	**
Lead, total	ug/L	MW-9	10/21/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Nickel, total	ug/L	MW-9	01/12/2015		4.0000		
Nickel, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Nickel, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Nickel, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Nickel, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Nickel, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Nickel, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Nickel, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Nickel, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Nickel, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Nickel, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Nickel, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Nickel, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Nickel, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Nickel, total	ug/L	MW-9	10/28/2021		4.2000		
Nickel, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Nickel, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Nickel, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-9	10/17/2024	ND	4.0000		
Nickel, total	ug/L	MW-9	04/10/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-9	10/21/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Selenium, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Selenium, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Selenium, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Selenium, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Selenium, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Selenium, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Selenium, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Selenium, total	ug/L	MW-9	04/09/2020	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Selenium, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Selenium, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Selenium, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Selenium, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-9	10/17/2024	ND	4.0000		
Selenium, total	ug/L	MW-9	04/10/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-9	10/21/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Silver, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Silver, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Silver, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Silver, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Silver, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Silver, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Silver, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Silver, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Silver, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Silver, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Silver, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Silver, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Silver, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Silver, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Silver, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Silver, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Silver, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Silver, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Silver, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Silver, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Silver, total	ug/L	MW-9	10/17/2024	ND	4.0000		
Silver, total	ug/L	MW-9	04/10/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-9	10/21/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-9	10/14/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	01/12/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/14/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	07/21/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	09/22/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/12/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	10/11/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/20/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	10/12/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/23/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	10/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/16/2019	ND	2.0000		
Thallium, total	ug/L	MW-9	10/17/2019	ND	2.0000		
Thallium, total	ug/L	MW-9	04/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-9	10/08/2020	ND	2.0000		
Thallium, total	ug/L	MW-9	04/15/2021	ND	2.0000		
Thallium, total	ug/L	MW-9	10/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-9	04/13/2022	ND	2.0000		
Thallium, total	ug/L	MW-9	10/19/2022	ND	2.0000		
Thallium, total	ug/L	MW-9	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-9	10/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-9	04/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-9	10/17/2024	ND	2.0000		
Thallium, total	ug/L	MW-9	04/10/2025	ND	0.5000	2.0000	**
Thallium, total	ug/L	MW-9	10/21/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-9	10/14/2014	ND	20.0000		
Vanadium, total	ug/L	MW-9	01/12/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/14/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	07/21/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/22/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/12/2016	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/11/2016	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/20/2017	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/12/2017	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/23/2018	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/16/2019	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/17/2019	ND	20.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-9	04/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/08/2020	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/15/2021	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/13/2022	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/19/2022	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/17/2024	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/10/2025	ND	2.0000	20.0000	**
Vanadium, total	ug/L	MW-9	10/21/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-9	10/14/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	01/12/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	04/14/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	07/21/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	09/23/2015	ND	20.0000		
Zinc, total	ug/L	MW-9	04/12/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	10/11/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	04/20/2017	ND	20.0000		
Zinc, total	ug/L	MW-9	10/12/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	04/23/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	10/12/2018		9.0000		
Zinc, total	ug/L	MW-9	04/16/2019	ND	20.0000		
Zinc, total	ug/L	MW-9	10/17/2019		29.9000		
Zinc, total	ug/L	MW-9	04/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-9	10/08/2020	ND	20.0000		
Zinc, total	ug/L	MW-9	04/15/2021	ND	20.0000		
Zinc, total	ug/L	MW-9	10/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-9	04/13/2022	ND	20.0000		
Zinc, total	ug/L	MW-9	10/19/2022	ND	20.0000		
Zinc, total	ug/L	MW-9	04/06/2023		21.3000		
Zinc, total	ug/L	MW-9	10/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-9	04/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-9	10/17/2024	ND	20.0000		
Zinc, total	ug/L	MW-9	04/10/2025		16.2000		
Zinc, total	ug/L	MW-9	10/21/2025		7.0000		

* - 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-11	10/21/2025	ND	1.0000		2.5000
Arsenic, total	ug/L	MW-11	10/21/2025	ND	2.0000		4.5000
Barium, total	ug/L	MW-11	10/21/2025		13.3000		338.0000
Beryllium, total	ug/L	MW-11	10/21/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-11	10/21/2025	ND	0.2000		5.3000
Chromium, total	ug/L	MW-11	10/21/2025	ND	1.0000		9.1000
Cobalt, total	ug/L	MW-11	10/21/2025	ND	0.5000		3.5000
Copper, total	ug/L	MW-11	10/21/2025	ND	5.0000		12.6000
Lead, total	ug/L	MW-11	10/21/2025	ND	1.0000		11.9000
Nickel, total	ug/L	MW-11	10/21/2025	ND	5.0000		9.8000
Selenium, total	ug/L	MW-11	10/21/2025	ND	2.0000		5.5000
Silver, total	ug/L	MW-11	10/21/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-11	10/21/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-11	10/21/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-11	10/21/2025		6.1000		237.0000
Antimony, total	ug/L	MW-12	10/21/2025	ND	1.0000		2.5000
Arsenic, total	ug/L	MW-12	10/21/2025	ND	2.0000		4.5000
Barium, total	ug/L	MW-12	10/21/2025		151.0000		338.0000
Beryllium, total	ug/L	MW-12	10/21/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-12	10/21/2025		0.4000		5.3000
Chromium, total	ug/L	MW-12	10/21/2025		1.7000		9.1000
Cobalt, total	ug/L	MW-12	10/21/2025	ND	0.5000		3.5000
Copper, total	ug/L	MW-12	10/21/2025	ND	5.0000		12.6000
Lead, total	ug/L	MW-12	10/21/2025	ND	1.0000		11.9000
Nickel, total	ug/L	MW-12	10/21/2025	ND	5.0000		9.8000
Selenium, total	ug/L	MW-12	10/21/2025	ND	2.0000		5.5000
Silver, total	ug/L	MW-12	10/21/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-12	10/21/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-12	10/21/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-12	10/21/2025		7.9000		237.0000
Antimony, total	ug/L	MW-15	10/21/2025	ND	1.0000		2.5000
Arsenic, total	ug/L	MW-15	10/21/2025	ND	2.0000		4.5000
Barium, total	ug/L	MW-15	10/21/2025		19.9000		338.0000
Beryllium, total	ug/L	MW-15	10/21/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-15	10/21/2025		21.5000	*	5.3000
Chromium, total	ug/L	MW-15	10/21/2025		1.0000		9.1000
Cobalt, total	ug/L	MW-15	10/21/2025	ND	0.5000		3.5000
Copper, total	ug/L	MW-15	10/21/2025		9.8000		12.6000
Lead, total	ug/L	MW-15	10/21/2025		1.6000		11.9000
Nickel, total	ug/L	MW-15	10/21/2025		16.5000	*	9.8000
Selenium, total	ug/L	MW-15	10/21/2025	ND	2.0000		5.5000
Silver, total	ug/L	MW-15	10/21/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-15	10/21/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-15	10/21/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-15	10/21/2025		23.3000		237.0000
Antimony, total	ug/L	MW-16	10/21/2025	ND	1.0000		2.5000
Arsenic, total	ug/L	MW-16	10/21/2025	ND	2.0000		4.5000
Barium, total	ug/L	MW-16	10/21/2025		41.6000		338.0000
Beryllium, total	ug/L	MW-16	10/21/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-16	10/21/2025		0.3000		5.3000
Chromium, total	ug/L	MW-16	10/21/2025	ND	1.0000		9.1000
Cobalt, total	ug/L	MW-16	10/21/2025	ND	0.5000		3.5000
Copper, total	ug/L	MW-16	10/21/2025	ND	5.0000		12.6000
Lead, total	ug/L	MW-16	10/21/2025	ND	1.0000		11.9000
Nickel, total	ug/L	MW-16	10/21/2025	ND	5.0000		9.8000
Selenium, total	ug/L	MW-16	10/21/2025	ND	2.0000		5.5000
Silver, total	ug/L	MW-16	10/21/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-16	10/21/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-16	10/21/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-16	10/21/2025		5.3000		237.0000

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

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	1	96	0.010	2	118	0.017
Arsenic, total	2	96	0.021	7	119	0.059
Barium, total	95	95	1.000	118	118	1.000
Beryllium, total	0	96	0.000	0	118	0.000
Cadmium, total	7	96	0.073	14	119	0.118
Chromium, total	6	96	0.063	14	118	0.119
Cobalt, total	12	96	0.125	22	118	0.186
Copper, total	7	96	0.073	34	119	0.286
Lead, total	3	96	0.031	20	118	0.169
Nickel, total	14	94	0.149	45	121	0.372
Selenium, total	6	96	0.063	4	118	0.034
Silver, total	0	96	0.000	0	118	0.000
Thallium, total	0	96	0.000	3	118	0.025
Vanadium, total	0	96	0.000	7	118	0.059
Zinc, total	26	95	0.274	47	120	0.392

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	1	96	0.010									nonpar
Arsenic, total	2	96	0.021									nonpar
Barium, total	95	95	1.000	3.149	2.815					2.326	non-norm	nonpar
Beryllium, total	0	96	0.000									nonpar
Cadmium, total	7	96	0.073									nonpar
Chromium, total	6	96	0.063	0.938	1.447					2.326	normal	nonpar
Cobalt, total	12	96	0.125	0.845	0.854					2.326	normal	nonpar
Copper, total	7	96	0.073	0.105	0.895					2.326	normal	nonpar
Lead, total	3	96	0.031									nonpar
Nickel, total	14	94	0.149	0.124	0.164					2.326	normal	nonpar
Selenium, total	6	96	0.063	1.833	1.922					2.326	normal	nonpar
Silver, total	0	96	0.000									nonpar
Thallium, total	0	96	0.000									nonpar
Vanadium, total	0	96	0.000									nonpar
Zinc, total	26	95	0.274	2.881	1.085					2.326	lognor	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	1	96					2.5000	nonpar		0.99
Arsenic, total	ug/L	2	96					4.5000	nonpar		0.99
Barium, total	ug/L	95	95					338.0000	nonpar		0.99
Beryllium, total	ug/L	0	96					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	7	96					5.3000	nonpar		0.99
Chromium, total	ug/L	6	96					9.1000	nonpar		0.99
Cobalt, total	ug/L	12	96					3.5000	nonpar		0.99
Copper, total	ug/L	7	96					12.6000	nonpar		0.99
Lead, total	ug/L	3	96					11.9000	nonpar		0.99
Nickel, total	ug/L	14	94					9.8000	nonpar		0.99
Selenium, total	ug/L	6	96					5.5000	nonpar		0.99
Silver, total	ug/L	0	96					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	96					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	0	96					20.0000	nonpar	***	0.99
Zinc, total	ug/L	26	95					237.0000	nonpar		0.99

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Barium, total	ug/L	MW-5	04/11/2024	71.7000		10/14/2014-10/21/2025	24	0.5065
Barium, total	ug/L	MW-5	04/10/2025	71.1000		10/14/2014-10/21/2025	24	0.5065
Nickel, total	ug/L	MW-5	04/06/2023	13.1000		10/14/2014-10/21/2025	23	0.5162
Nickel, total	ug/L	MW-5	10/17/2024	16.3000		10/14/2014-10/21/2025	23	0.5162
Zinc, total	ug/L	MW-5	04/06/2023	411.0000		10/14/2014-10/21/2025	23	0.5162
Zinc, total	ug/L	MW-5	10/17/2024	1080.0000		10/14/2014-10/21/2025	23	0.5162

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

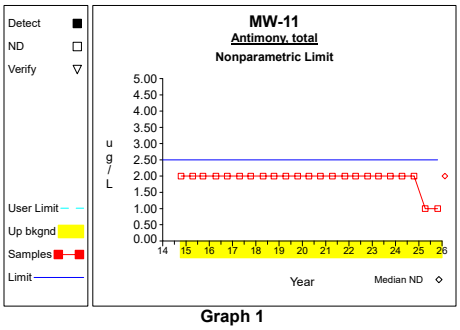
Table 8

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

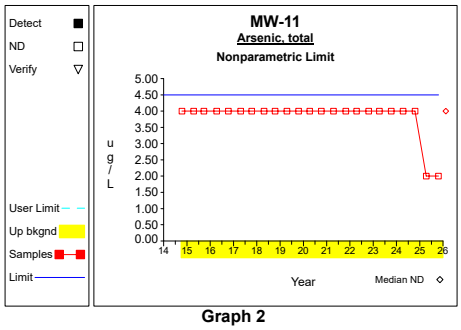
Constituent	Units	Well	Date		Result		Pred. Limit
Cadmium, total	ug/L	MW-15	12/04/2012		3.9000		5.3000
Cadmium, total	ug/L	MW-15	04/24/2013	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	10/21/2013	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	04/08/2014	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	10/14/2014	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	04/14/2015	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	09/23/2015	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	04/12/2016	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	10/11/2016	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	04/20/2017	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	10/12/2017	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	04/23/2018	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	10/12/2018	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	04/16/2019	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	10/17/2019		0.9000		5.3000
Cadmium, total	ug/L	MW-15	04/09/2020	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	10/08/2020	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	04/15/2021	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	10/28/2021	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	04/13/2022	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	10/19/2022		2.0000		5.3000
Cadmium, total	ug/L	MW-15	04/06/2023	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	10/10/2023		2.4000		5.3000
Cadmium, total	ug/L	MW-15	04/11/2024	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	10/17/2024	ND	0.8000		5.3000
Cadmium, total	ug/L	MW-15	04/10/2025	ND	0.2000		5.3000
Cadmium, total	ug/L	MW-15	10/21/2025		21.5000	*	5.3000
Nickel, total	ug/L	MW-15	12/04/2012		24.9000	*	9.8000
Nickel, total	ug/L	MW-15	04/24/2013		23.1000	*	9.8000
Nickel, total	ug/L	MW-15	10/21/2013		10.8000	*	9.8000
Nickel, total	ug/L	MW-15	04/08/2014		8.2000		9.8000
Nickel, total	ug/L	MW-15	10/14/2014	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	04/14/2015	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	09/23/2015	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	04/12/2016	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	10/11/2016	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	04/20/2017	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	10/12/2017	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	04/23/2018	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	10/12/2018	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	04/16/2019	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	10/17/2019	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	04/09/2020	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	10/08/2020	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	04/15/2021	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	10/28/2021		4.0000		9.8000
Nickel, total	ug/L	MW-15	04/13/2022	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	10/19/2022		4.5000		9.8000
Nickel, total	ug/L	MW-15	04/06/2023	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	10/10/2023		9.5000		9.8000
Nickel, total	ug/L	MW-15	04/11/2024	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	10/17/2024	ND	4.0000		9.8000
Nickel, total	ug/L	MW-15	04/10/2025	ND	5.0000		9.8000
Nickel, total	ug/L	MW-15	10/21/2025		16.5000	*	9.8000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

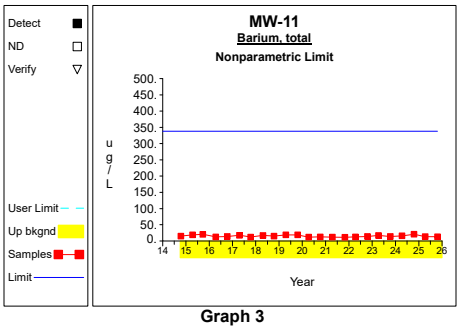
Up vs. Down Prediction Limits



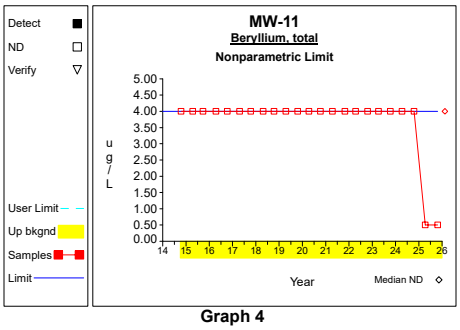
Graph 1



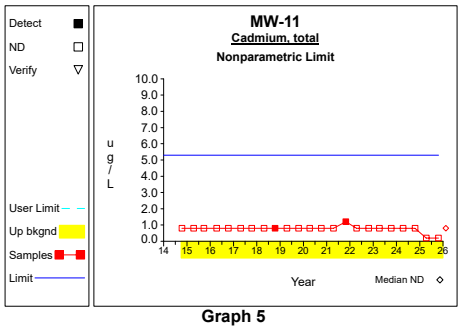
Graph 2



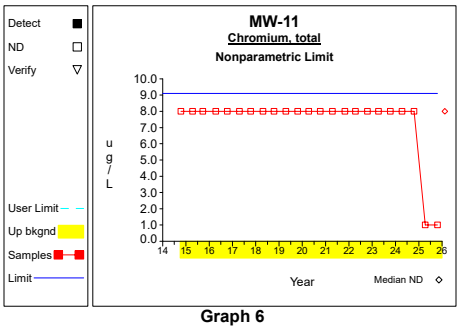
Graph 3



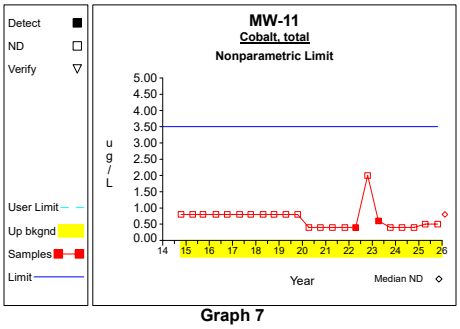
Graph 4



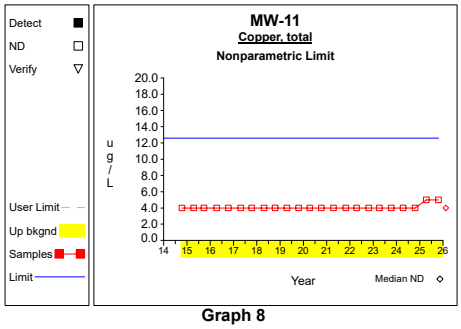
Graph 5



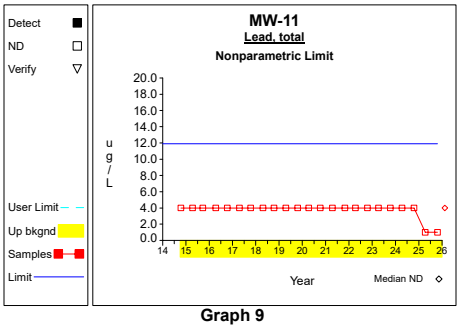
Graph 6



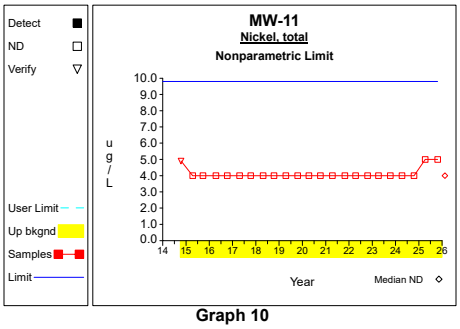
Graph 7



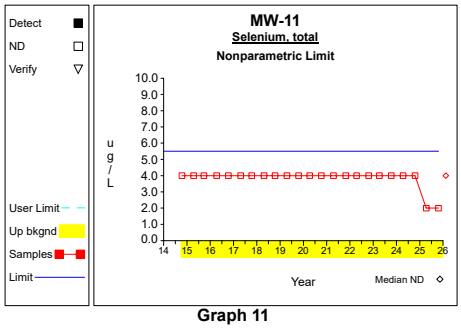
Graph 8



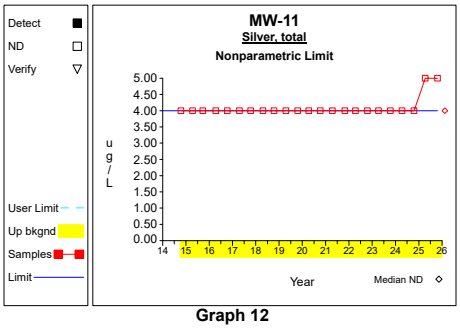
Graph 9



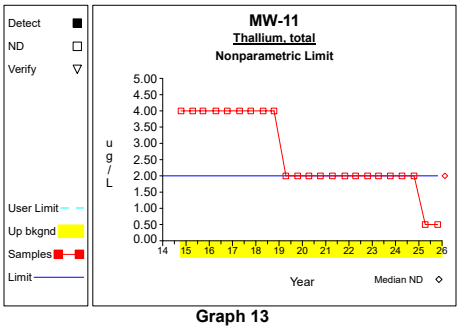
Graph 10



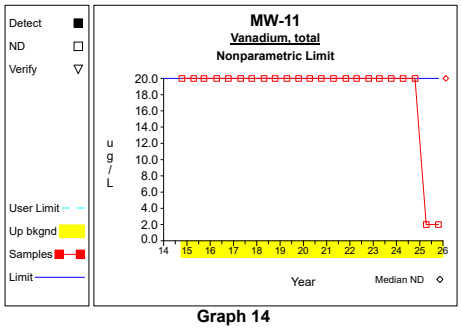
Graph 11



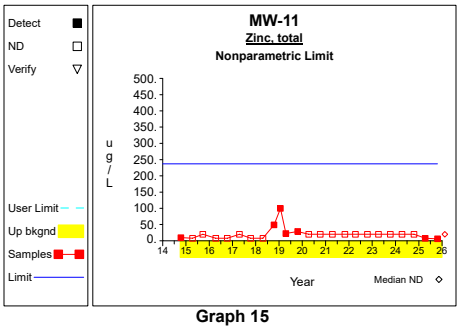
Graph 12



Graph 13



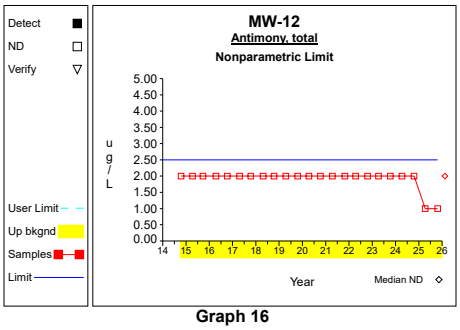
Graph 14



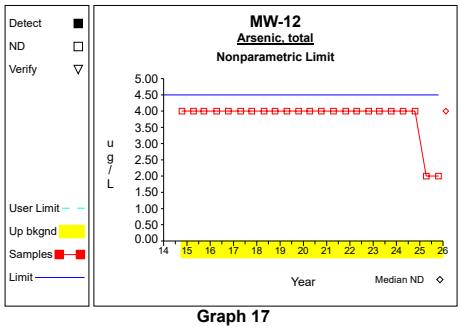
Graph 15

Prepared by: Otter Creek Environmental

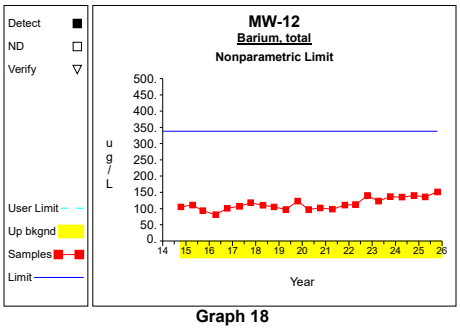
Up vs. Down Prediction Limits



Graph 16



Graph 17



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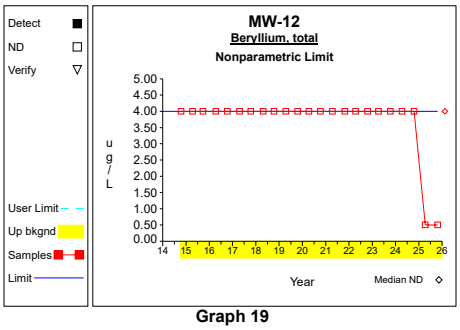

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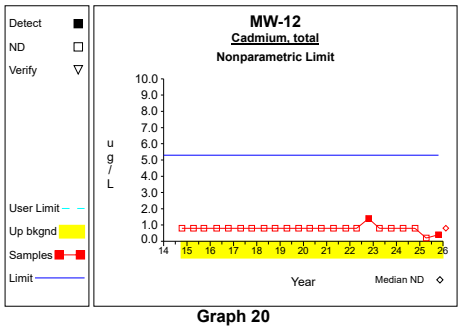

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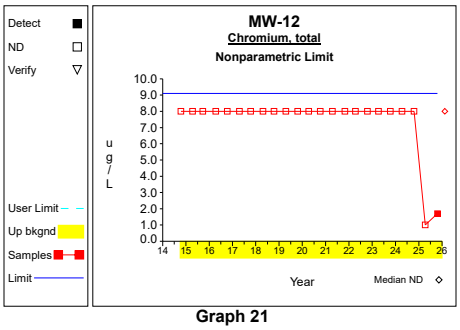

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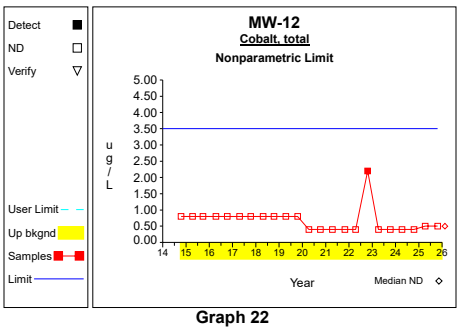

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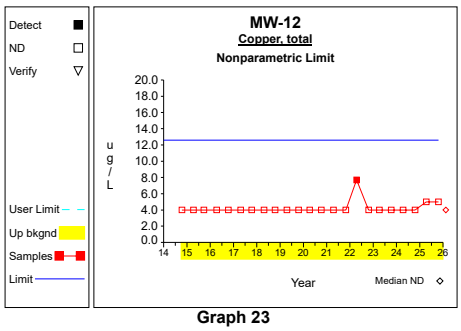

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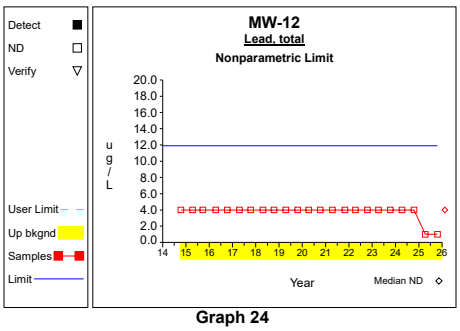

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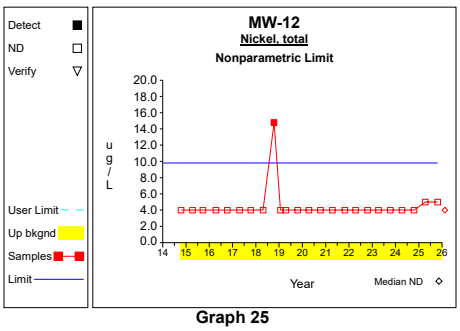

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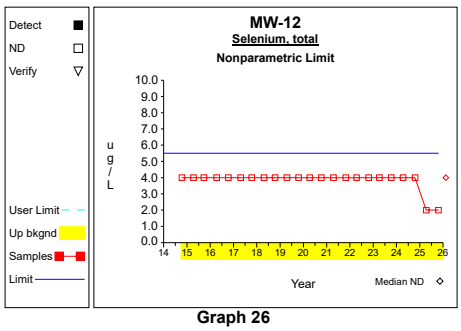

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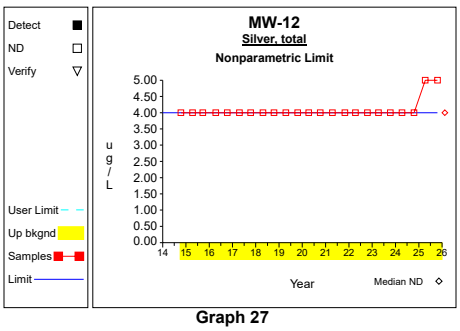
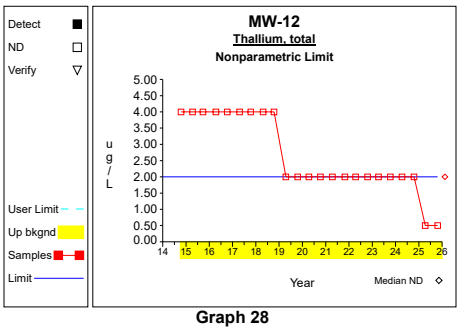


Graph 27



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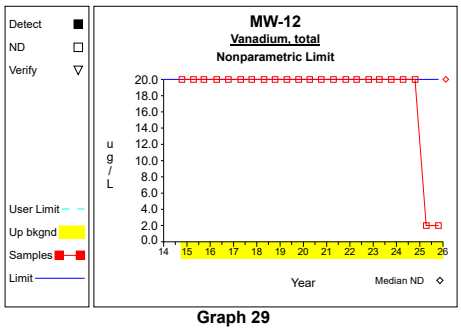

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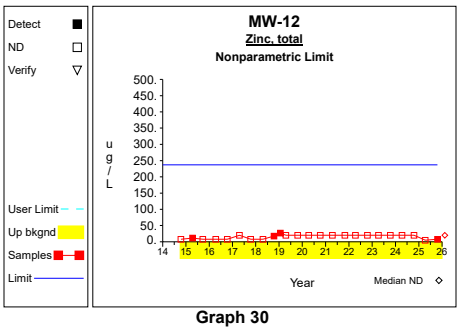
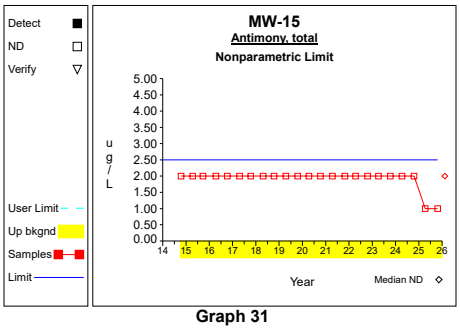


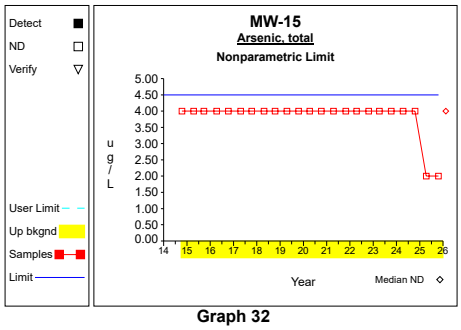
Graph 30

Prepared by: Otter Creek Environmental

Up vs. Down Prediction Limits



Graph 31



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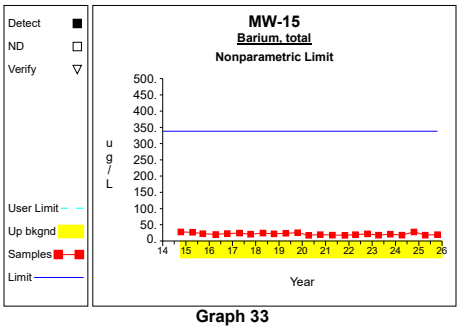

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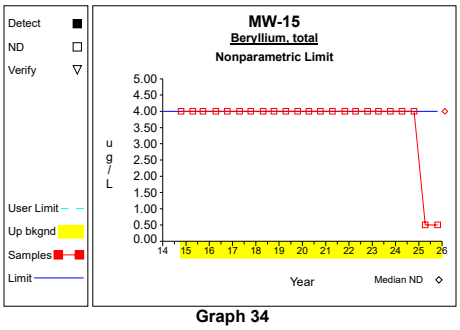

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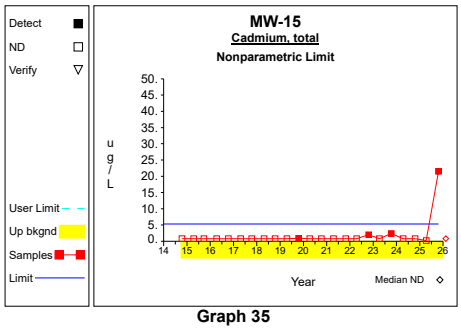
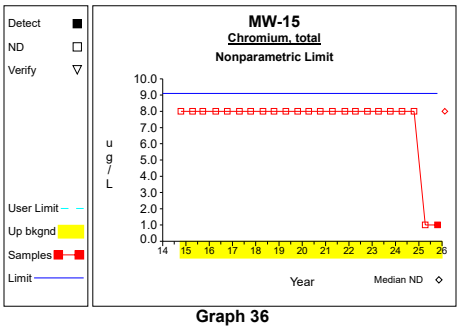


Graph 35



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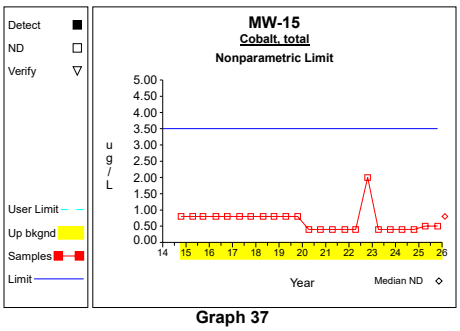
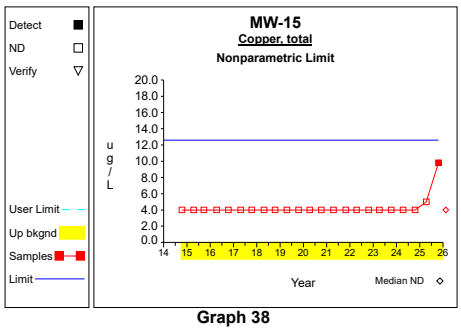


Graph 37



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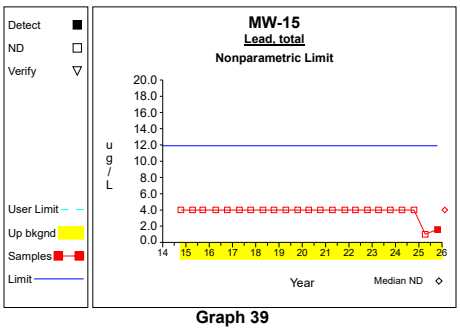

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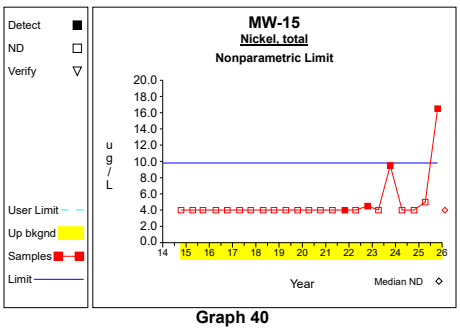

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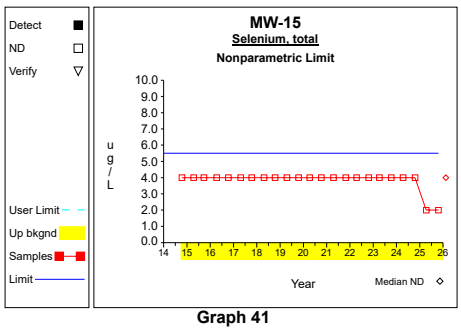
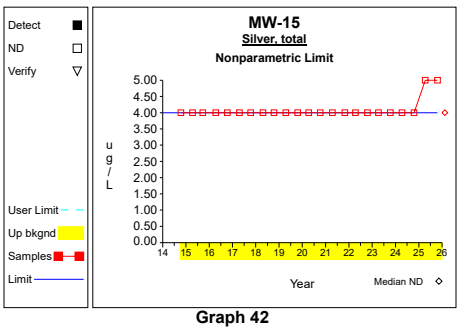


Graph 41



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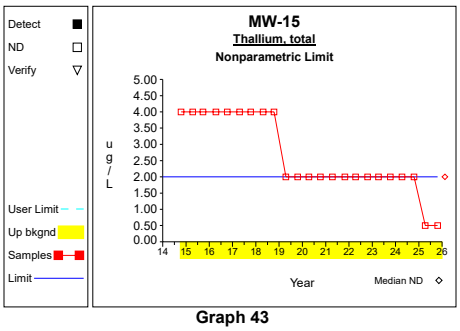
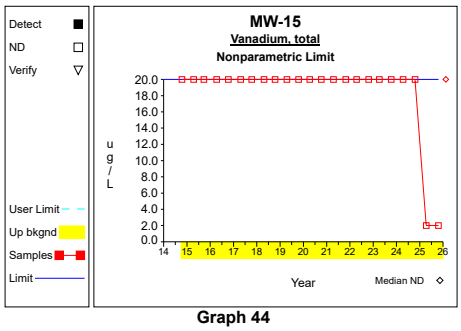


Graph 43



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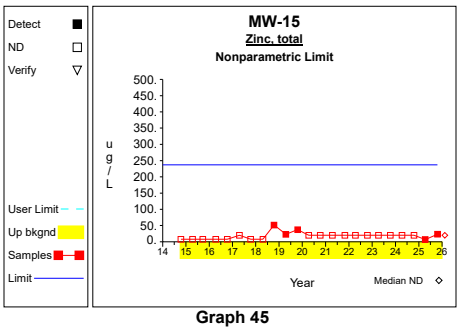
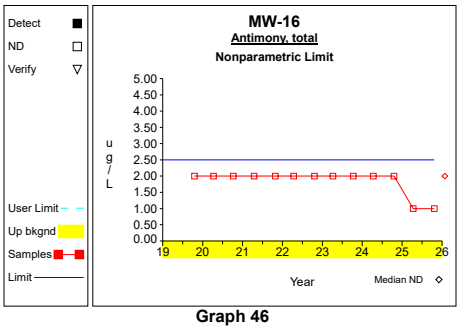


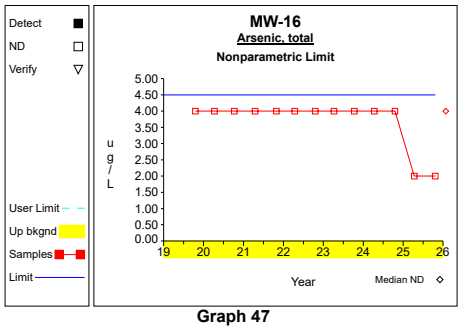
Graph 45

Prepared by: Otter Creek Environmental

Up vs. Down Prediction Limits



Graph 46



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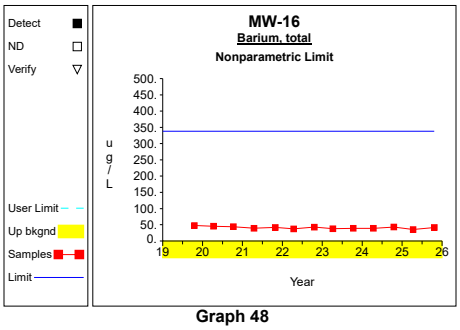
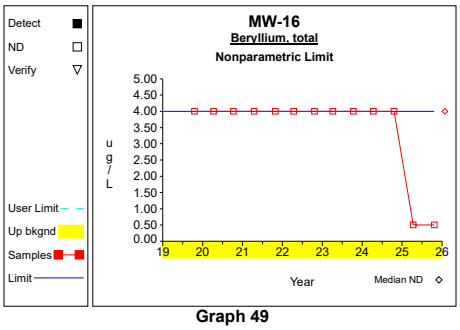


Graph 48



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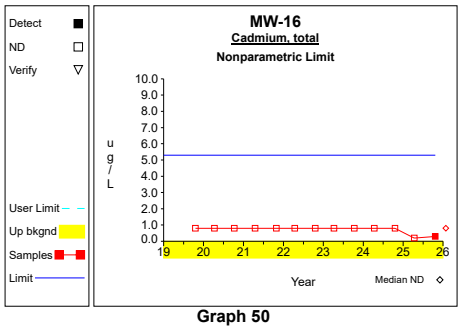
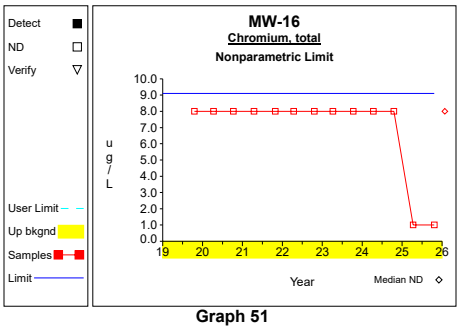
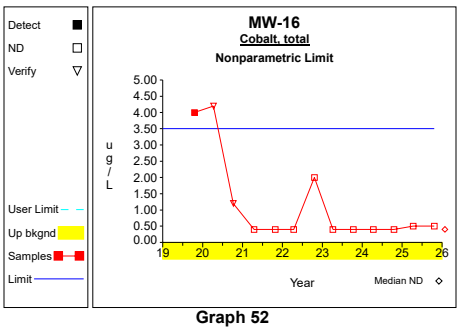


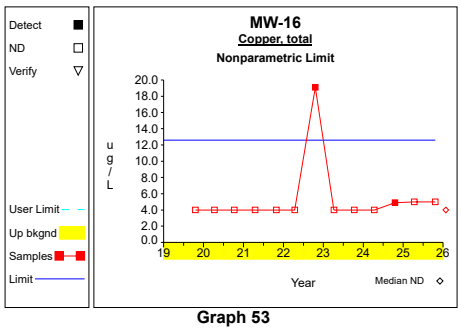
Graph 50



Graph 51



Graph 52



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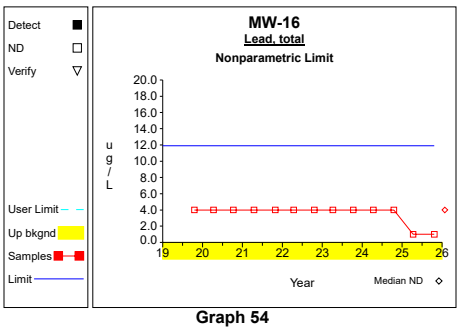
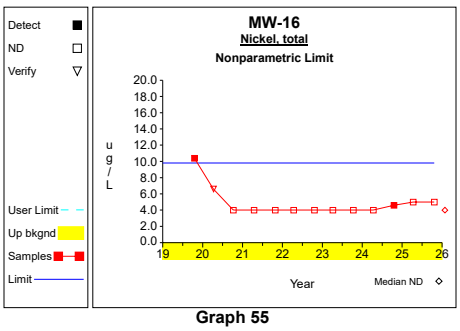


Graph 54



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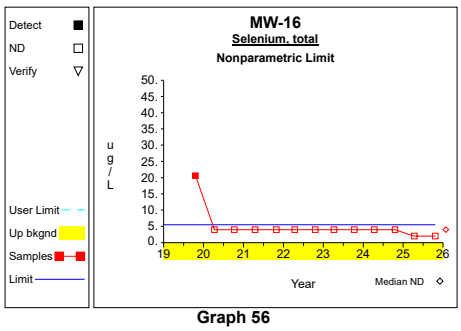
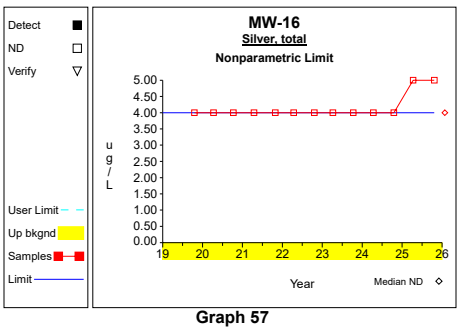


Graph 56



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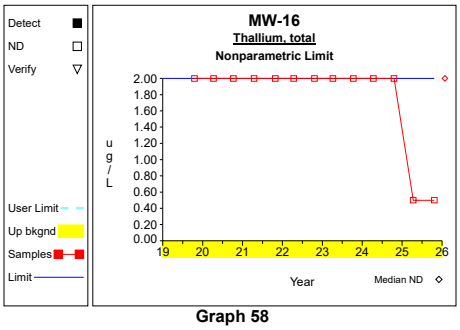

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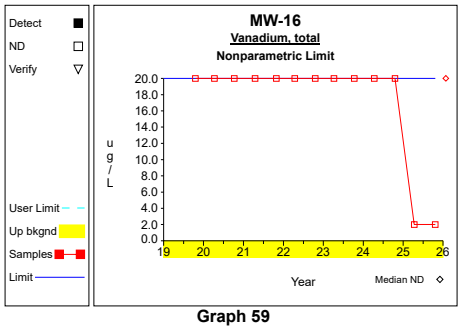
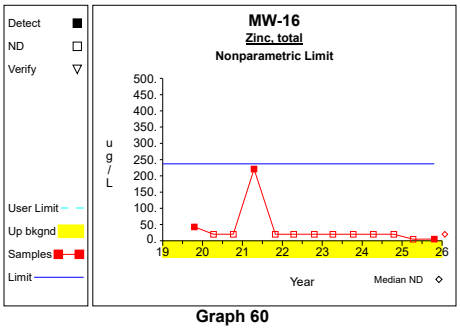


Graph 59

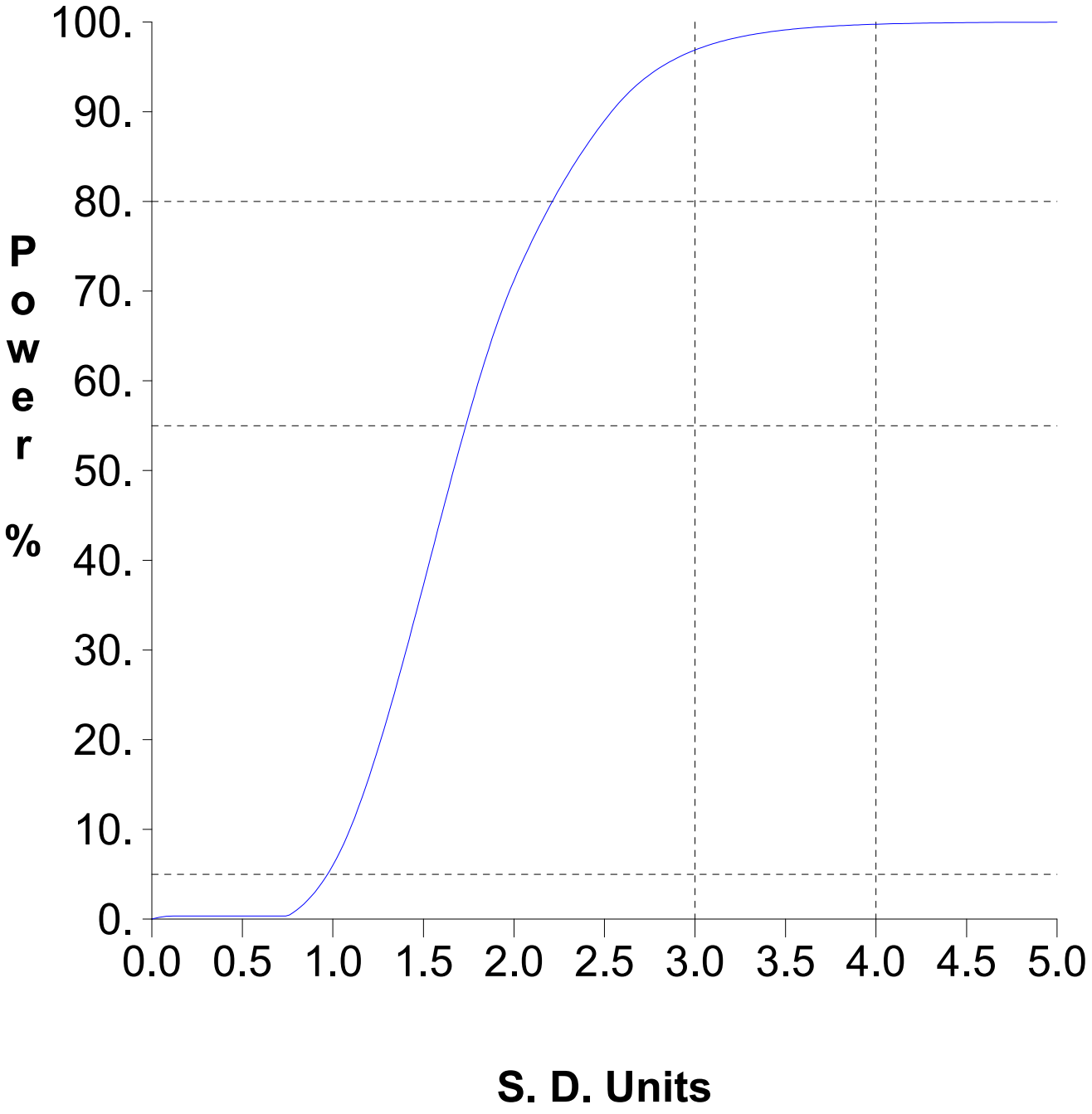


Graph 60

Prepared by: Otter Creek Environmental

False Positive and False Negative Rates for Current

Upgradient vs. Downgradient Monitoring Program



Attachment C

Historical Organic Compound Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Diethyl phthalate	MW-11	4/08/2014		8	8	ug/L
Diethyl phthalate	MW-11	4/08/2014		8	8	ug/L
Methyl parathion	MW-11	10/14/2014		2.9	.4	ug/L
Phorate	MW-11	10/14/2014		.9	.4	ug/L
Thionazin	MW-11	10/14/2014		.5	.4	ug/L
Bis(2-ethylhexyl) phthalate	MW-12	4/16/2019		16	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-12	4/09/2020		16	6	ug/L
Acetone	MW-14	5/24/2010		44.9	10.0	ug/L
Acetone	MW-14	10/12/2017		11.8	10.0	ug/L
Toluene	MW-14	5/24/2010		3.2	1.0	ug/L
Xylenes, total	MW-14	5/24/2010		4.9	2.0	ug/L
Acetone	MW-15	10/12/2017		10.8	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	10/21/2013		50	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	4/14/2015		11	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	10/11/2016		19	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	10/12/2017		15	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	10/12/2018		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	4/16/2019		7	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	10/17/2019		7	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-16	10/08/2020		8	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-16	10/28/2021		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-16	10/19/2022		19	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-2	10/12/2017		35	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-2	10/17/2019		25	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-2	10/28/2021		12	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-2	4/13/2022		11	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-3	10/17/2019		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-4	4/23/2018		11	6	ug/L
Acetone	MW-5	10/12/2017		12.2	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-6	4/23/2018		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-6	7/05/2018		8	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-6	10/17/2019		10	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-6	4/06/2023		7	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-7	4/15/2009		10	8	ug/L
Acetone	MW-9	5/24/2010		45.1	10.0	ug/L
Acetone	MW-9	10/12/2017		11.2	10.0	ug/L
Toluene	MW-9	5/24/2010		3.6	1.0	ug/L
Xylenes, total	MW-9	5/24/2010		5.6	2.0	ug/L
2-butanone (mek)	SW-1	10/12/2018		7.7	5.0	ug/L
Acetone	SW-1	4/20/2017		15.7	10.0	ug/L
Acetone	SW-1	10/12/2018		27.2	10.0	ug/L
Phorate	SW-2	10/14/2014		.4	.4	ug/L

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

GROUND WATER STATISTICS

FOR THE

FLOYD-MITCHELL-CHICKASAW COUNTIES

CLOSED SANITARY LANDFILL

Second Semi-Annual Monitoring Event in 2025

Prepared for:
Floyd-Mitchell-Chickasaw Counties Solid Waste Management Agency
3354 330th Street
Mitchell County, IA

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

November 2025

INTRODUCTION

This report summarizes the results of the statistical analysis used to evaluate the ground water quality data obtained during the second semi-annual monitoring event in 2025 at the Floyd-Mitchell-Chickasaw Counties Closed Sanitary Landfill near Elma, in Mitchell 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. Interwell statistics were used for comparisons of current data to background data at Floyd-Mitchell-Chickasaw Counties Closed Sanitary Landfill. The statistical plan conforms with IAC 567, Chapter 113.10 and the USEPA statistical guidance document ("*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance"*, March 2009).

Ground Water Monitoring Program

The groundwater monitoring network for Floyd-Mitchell-Chickasaw Counties Closed Sanitary Landfill includes detection sample points MW-2, MW-3, MW-6, and MW-7. Upgradient sample points along the western border of the Expansion Area include MW-9 and MW-14. Monitoring wells MW-4 and MW-5 were approved by the IDNR as additional background wells in the revised permit (August 2020). 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	*trans*-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	*cis*-1,2-Dichloroethene	1,1,2,2-Tetrachloroethane
Bromoform	*trans*-1,2-Dichloroethene	Tetrachloroethene
Carbon disulfide	1,2-Dichloropropane	Toluene
Carbon tetrachloride	*cis*-1,3-Dichloropropene	1,1,1-Trichloroethane
Chlorobenzene	*trans*-1,3-Dichloropropene	1,1,2-Trichloroethane
Chloroethane	Ethylbenzene	Trichloroethene
Chloroform	2-Hexanone	Trichlorofluoromethane
Dibromochloromethane	Bromomethane	1,2,3-Trichloropropane
1,2-Dibromo-3-chloropropane	Chloromethane	Vinyl acetate
1,2-Dibromoethane	Dibromomethane	Vinyl chloride
1,2-Dichlorobenzene	Methylene chloride	Xylenes (Total)
1,4-Dichlorobenzene	2-Butanone	

Inorganic constituents:

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

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

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. Both of these methods were previously applied to the Floyd-Mitchell-Chickasaw Counties Closed Landfill data using the DUMPStat® statistical program. The Expansion Area upgradient wells have not been monitored regularly so there was insufficient background data available to do upgradient versus downgradient comparisons previously. Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

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

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-4, MW-5, MW-9, and MW-14 during the period from October 2014 through the current data. A summary of the background data from monitoring wells MW-4, MW-5, MW-9, and MW-14, used to determine the site prediction limits, is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient sample points MW-2, MW-3, MW-6, and MW-7 compared to the site prediction limits. Prediction limit

exceedances are flagged with asterisks. For the second semi-annual 2025 monitoring data, the site prediction limit exceedances detected are summarized in the Table below.

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

Well	Trace Metal	Result	Prediction Limit	Prediction Limit Type	Verified or Awaiting Verification
MW-3	Cobalt, µg/L	4.9	3.5000	Nonparametric	Verified
	Nickel, µg/L	13.0	9.8000	Nonparametric	Verified

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

Table 4 summarizes the results of the Shapiro-Wilk test. The background barium data has a normal distribution 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 4 standard deviation unit increases over background.

The verified exceedances were evaluated against the ground water protection standards (GWPS) using confidence limits (Attachment C). The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264 (e.g. whether the verified constituent is detected at a significant level above the GWPS). An exceedance is verified if the LCL is above the Regulatory GWPS.

The calculated 95% LCLs are below the respective GWPS.

Volatile Organic Compounds

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

There were no VOCs detected in the ground water at Floyd-Mitchell-Chickasaw Counties Landfill during the second semi-annual monitoring event in 2025. Historical VOC detections are summarized in Attachment D.

Attachment A

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

Table 1

Analytical Data Summary for 10/21/2025

Constituents	Units	MW-14	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-9
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	<10	<10	<10	<10	<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
Antimony, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic, total	ug/L	<2.0	2.7	2.1	<2.0	<2.0	3.2	<2.0	<2.0
Barium, total	ug/L	120.0	35.1	261.0	73.2	171.0	25.8	29.7	91.2
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	.3	<.2	.4	<.2	<.2	<.2	.4	<.2
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	1.1	<1.0	1.4	1.1	1.2	1.5	<1.0	<1.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.5	2.1	4.9	<.5	.6	.6	.5	<.5
Copper, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
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	<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
Nickel, total	ug/L	<5.0	<5.0	13.0	<5.0	<5.0	<5.0	6.2	<5.0
Selenium, total	ug/L	2.5	<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
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	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
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	<5.0	5.4	16.5	12.3	11.3	24.3	5.8	7.0

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

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-14	10/14/2014		2.5000		
Antimony, total	ug/L	MW-14	01/12/2015	ND	2.0000		
Antimony, total	ug/L	MW-14	04/13/2015	ND	2.0000		
Antimony, total	ug/L	MW-14	07/21/2015	ND	2.0000		
Antimony, total	ug/L	MW-14	09/23/2015	ND	2.0000		
Antimony, total	ug/L	MW-14	04/12/2016	ND	2.0000		
Antimony, total	ug/L	MW-14	10/11/2016	ND	2.0000		
Antimony, total	ug/L	MW-14	04/20/2017	ND	2.0000		
Antimony, total	ug/L	MW-14	10/12/2017	ND	2.0000		
Antimony, total	ug/L	MW-14	04/23/2018	ND	2.0000		
Antimony, total	ug/L	MW-14	10/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-14	04/16/2019	ND	2.0000		
Antimony, total	ug/L	MW-14	10/17/2019	ND	2.0000		
Antimony, total	ug/L	MW-14	04/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-14	10/08/2020	ND	2.0000		
Antimony, total	ug/L	MW-14	04/15/2021	ND	2.0000		
Antimony, total	ug/L	MW-14	10/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-14	04/13/2022	ND	2.0000		
Antimony, total	ug/L	MW-14	10/19/2022	ND	2.0000		
Antimony, total	ug/L	MW-14	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-14	10/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-14	04/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-14	10/17/2024	ND	2.0000		
Antimony, total	ug/L	MW-14	04/10/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-14	10/21/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Arsenic, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Arsenic, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Arsenic, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-14	10/17/2024	ND	4.0000		
Arsenic, total	ug/L	MW-14	04/10/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-14	10/21/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-14	10/14/2014		184.0000		
Barium, total	ug/L	MW-14	01/12/2015		169.0000		
Barium, total	ug/L	MW-14	04/13/2015		143.0000		
Barium, total	ug/L	MW-14	07/21/2015		141.0000		
Barium, total	ug/L	MW-14	09/23/2015		185.0000		
Barium, total	ug/L	MW-14	04/12/2016		121.0000		
Barium, total	ug/L	MW-14	10/11/2016		125.0000		
Barium, total	ug/L	MW-14	04/20/2017		140.0000		
Barium, total	ug/L	MW-14	10/12/2017		170.0000		
Barium, total	ug/L	MW-14	04/23/2018		126.0000		
Barium, total	ug/L	MW-14	10/12/2018		128.0000		
Barium, total	ug/L	MW-14	04/16/2019		114.0000		
Barium, total	ug/L	MW-14	10/17/2019		155.0000		
Barium, total	ug/L	MW-14	04/09/2020		117.0000		
Barium, total	ug/L	MW-14	10/08/2020		137.0000		
Barium, total	ug/L	MW-14	04/15/2021		120.0000		
Barium, total	ug/L	MW-14	10/28/2021		102.0000		
Barium, total	ug/L	MW-14	04/13/2022		107.0000		
Barium, total	ug/L	MW-14	10/19/2022		133.0000		
Barium, total	ug/L	MW-14	04/06/2023		117.0000		
Barium, total	ug/L	MW-14	10/10/2023		140.0000		
Barium, total	ug/L	MW-14	04/11/2024		114.0000		
Barium, total	ug/L	MW-14	10/17/2024		220.0000		
Barium, total	ug/L	MW-14	04/10/2025		113.0000		

* - 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-14	10/21/2025		120.0000		
Beryllium, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Beryllium, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Beryllium, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Beryllium, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-14	10/17/2024	ND	4.0000		
Beryllium, total	ug/L	MW-14	04/10/2025	ND	0.5000	4.0000	**
Beryllium, total	ug/L	MW-14	10/21/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-14	10/14/2014	ND	0.8000		
Cadmium, total	ug/L	MW-14	01/12/2015	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/13/2015	ND	0.8000		
Cadmium, total	ug/L	MW-14	07/21/2015	ND	0.8000		
Cadmium, total	ug/L	MW-14	09/23/2015	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/12/2016	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/11/2016	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/20/2017	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/12/2017	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/23/2018		5.3000		
Cadmium, total	ug/L	MW-14	10/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/16/2019	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/17/2019	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/08/2020	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/15/2021	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/13/2022	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/19/2022	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-14	10/17/2024	ND	0.8000		
Cadmium, total	ug/L	MW-14	04/10/2025	ND	0.2000	0.8000	**
Cadmium, total	ug/L	MW-14	10/21/2025		0.3000		
Chromium, total	ug/L	MW-14	10/14/2014	ND	8.0000		
Chromium, total	ug/L	MW-14	01/12/2015	ND	8.0000		
Chromium, total	ug/L	MW-14	04/13/2015	ND	8.0000		
Chromium, total	ug/L	MW-14	07/21/2015	ND	8.0000		
Chromium, total	ug/L	MW-14	09/23/2015	ND	8.0000		
Chromium, total	ug/L	MW-14	04/12/2016	ND	8.0000		
Chromium, total	ug/L	MW-14	10/11/2016	ND	8.0000		
Chromium, total	ug/L	MW-14	04/20/2017	ND	8.0000		
Chromium, total	ug/L	MW-14	10/12/2017	ND	8.0000		
Chromium, total	ug/L	MW-14	04/23/2018	ND	8.0000		
Chromium, total	ug/L	MW-14	10/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-14	04/16/2019	ND	8.0000		
Chromium, total	ug/L	MW-14	10/17/2019	ND	8.0000		
Chromium, total	ug/L	MW-14	04/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-14	10/08/2020	ND	8.0000		
Chromium, total	ug/L	MW-14	04/15/2021	ND	8.0000		
Chromium, total	ug/L	MW-14	10/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-14	04/13/2022	ND	8.0000		
Chromium, total	ug/L	MW-14	10/19/2022	ND	8.0000		
Chromium, total	ug/L	MW-14	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-14	10/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-14	04/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-14	10/17/2024	ND	8.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium, total	ug/L	MW-14	04/10/2025	ND	1.0000	8.0000	**
Chromium, total	ug/L	MW-14	10/21/2025		1.1000		
Cobalt, total	ug/L	MW-14	10/14/2014	ND	0.8000		
Cobalt, total	ug/L	MW-14	01/12/2015	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/13/2015	ND	0.8000		
Cobalt, total	ug/L	MW-14	07/21/2015	ND	0.8000		
Cobalt, total	ug/L	MW-14	09/23/2015	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/12/2016	ND	0.8000		
Cobalt, total	ug/L	MW-14	10/11/2016	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/20/2017	ND	0.8000		
Cobalt, total	ug/L	MW-14	10/12/2017	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/23/2018	ND	0.8000		
Cobalt, total	ug/L	MW-14	10/12/2018	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/16/2019	ND	0.8000		
Cobalt, total	ug/L	MW-14	10/17/2019	ND	0.8000		
Cobalt, total	ug/L	MW-14	04/09/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/08/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	04/15/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/28/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	04/13/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/19/2022	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-14	04/06/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	04/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	10/17/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-14	04/10/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-14	10/21/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Copper, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Copper, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Copper, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Copper, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Copper, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Copper, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Copper, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Copper, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Copper, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Copper, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Copper, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Copper, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Copper, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Copper, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Copper, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Copper, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Copper, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Copper, total	ug/L	MW-14	10/19/2022		7.0000		
Copper, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Copper, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Copper, total	ug/L	MW-14	10/17/2024	ND	4.0000		
Copper, total	ug/L	MW-14	04/10/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-14	10/21/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Lead, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Lead, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Lead, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Lead, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Lead, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Lead, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Lead, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Lead, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Lead, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Lead, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Lead, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Lead, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Lead, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Lead, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Lead, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Lead, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Lead, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Lead, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Lead, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Lead, total	ug/L	MW-14	04/11/2024	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, total	ug/L	MW-14	10/17/2024	ND	4.0000		
Lead, total	ug/L	MW-14	04/10/2025	ND	1.0000	4.0000	**
Lead, total	ug/L	MW-14	10/21/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Nickel, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Nickel, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Nickel, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Nickel, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Nickel, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Nickel, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Nickel, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Nickel, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Nickel, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Nickel, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Nickel, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Nickel, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Nickel, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Nickel, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Nickel, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Nickel, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Nickel, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Nickel, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-14	10/17/2024	ND	4.0000		
Nickel, total	ug/L	MW-14	04/10/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-14	10/21/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Selenium, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Selenium, total	ug/L	MW-14	04/13/2015		5.1000		
Selenium, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Selenium, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Selenium, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Selenium, total	ug/L	MW-14	10/11/2016		5.5000		
Selenium, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Selenium, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Selenium, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Selenium, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Selenium, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Selenium, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Selenium, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Selenium, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Selenium, total	ug/L	MW-14	10/19/2022		5.5000		
Selenium, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-14	10/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-14	10/17/2024	ND	4.0000		
Selenium, total	ug/L	MW-14	04/10/2025		2.4000		
Selenium, total	ug/L	MW-14	10/21/2025		2.5000		
Silver, total	ug/L	MW-14	10/14/2014	ND	4.0000		
Silver, total	ug/L	MW-14	01/12/2015	ND	4.0000		
Silver, total	ug/L	MW-14	04/13/2015	ND	4.0000		
Silver, total	ug/L	MW-14	07/21/2015	ND	4.0000		
Silver, total	ug/L	MW-14	09/23/2015	ND	4.0000		
Silver, total	ug/L	MW-14	04/12/2016	ND	4.0000		
Silver, total	ug/L	MW-14	10/11/2016	ND	4.0000		
Silver, total	ug/L	MW-14	04/20/2017	ND	4.0000		
Silver, total	ug/L	MW-14	10/12/2017	ND	4.0000		
Silver, total	ug/L	MW-14	04/23/2018	ND	4.0000		
Silver, total	ug/L	MW-14	10/12/2018	ND	4.0000		
Silver, total	ug/L	MW-14	04/16/2019	ND	4.0000		
Silver, total	ug/L	MW-14	10/17/2019	ND	4.0000		
Silver, total	ug/L	MW-14	04/09/2020	ND	4.0000		
Silver, total	ug/L	MW-14	10/08/2020	ND	4.0000		
Silver, total	ug/L	MW-14	04/15/2021	ND	4.0000		
Silver, total	ug/L	MW-14	10/28/2021	ND	4.0000		
Silver, total	ug/L	MW-14	04/13/2022	ND	4.0000		
Silver, total	ug/L	MW-14	10/19/2022	ND	4.0000		
Silver, total	ug/L	MW-14	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-14	10/10/2023	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Silver, total	ug/L	MW-14	04/11/2024	ND	4.0000		
Silver, total	ug/L	MW-14	10/17/2024	ND	4.0000		
Silver, total	ug/L	MW-14	04/10/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-14	10/21/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-14	10/14/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	01/12/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/13/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	07/21/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	09/23/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/12/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	10/11/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/20/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	10/12/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/23/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	10/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-14	04/16/2019	ND	2.0000		
Thallium, total	ug/L	MW-14	10/17/2019	ND	2.0000		
Thallium, total	ug/L	MW-14	04/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-14	10/08/2020	ND	2.0000		
Thallium, total	ug/L	MW-14	04/15/2021	ND	2.0000		
Thallium, total	ug/L	MW-14	10/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-14	04/13/2022	ND	2.0000		
Thallium, total	ug/L	MW-14	10/19/2022	ND	2.0000		
Thallium, total	ug/L	MW-14	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-14	10/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-14	04/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-14	10/17/2024	ND	2.0000		
Thallium, total	ug/L	MW-14	04/10/2025	ND	0.5000	2.0000	**
Thallium, total	ug/L	MW-14	10/21/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-14	10/14/2014	ND	20.0000		
Vanadium, total	ug/L	MW-14	01/12/2015	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/13/2015	ND	20.0000		
Vanadium, total	ug/L	MW-14	07/21/2015	ND	20.0000		
Vanadium, total	ug/L	MW-14	09/23/2015	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/12/2016	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/11/2016	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/20/2017	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/12/2017	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/23/2018	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/16/2019	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/17/2019	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/08/2020	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/15/2021	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/13/2022	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/19/2022	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-14	10/17/2024	ND	20.0000		
Vanadium, total	ug/L	MW-14	04/10/2025	ND	2.0000	20.0000	**
Vanadium, total	ug/L	MW-14	10/21/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-14	10/14/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	01/12/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	04/13/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	07/21/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	09/23/2015	ND	20.0000		
Zinc, total	ug/L	MW-14	04/12/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	10/11/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	04/20/2017	ND	20.0000		
Zinc, total	ug/L	MW-14	10/12/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	04/23/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-14	10/12/2018		16.1000		
Zinc, total	ug/L	MW-14	04/16/2019	ND	20.0000		
Zinc, total	ug/L	MW-14	10/17/2019	ND	20.0000		
Zinc, total	ug/L	MW-14	04/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-14	10/08/2020	ND	20.0000		
Zinc, total	ug/L	MW-14	04/15/2021	ND	20.0000		
Zinc, total	ug/L	MW-14	10/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-14	04/13/2022	ND	20.0000		
Zinc, total	ug/L	MW-14	10/19/2022	ND	20.0000		
Zinc, total	ug/L	MW-14	04/06/2023	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-14	10/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-14	04/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-14	10/17/2024	ND	20.0000		
Zinc, total	ug/L	MW-14	04/10/2025	ND	5.0000	20.0000	**
Zinc, total	ug/L	MW-14	10/21/2025	ND	5.0000	20.0000	**
Antimony, total	ug/L	MW-4	10/14/2014	ND	2.0000		
Antimony, total	ug/L	MW-4	04/13/2015	ND	2.0000		
Antimony, total	ug/L	MW-4	09/23/2015	ND	2.0000		
Antimony, total	ug/L	MW-4	04/12/2016	ND	2.0000		
Antimony, total	ug/L	MW-4	10/11/2016	ND	2.0000		
Antimony, total	ug/L	MW-4	04/20/2017	ND	2.0000		
Antimony, total	ug/L	MW-4	10/12/2017	ND	2.0000		
Antimony, total	ug/L	MW-4	04/23/2018	ND	2.0000		
Antimony, total	ug/L	MW-4	10/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-4	04/16/2019	ND	2.0000		
Antimony, total	ug/L	MW-4	10/17/2019	ND	2.0000		
Antimony, total	ug/L	MW-4	04/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-4	10/08/2020	ND	2.0000		
Antimony, total	ug/L	MW-4	04/15/2021	ND	2.0000		
Antimony, total	ug/L	MW-4	10/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-4	04/13/2022	ND	2.0000		
Antimony, total	ug/L	MW-4	10/19/2022	ND	2.0000		
Antimony, total	ug/L	MW-4	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-4	10/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-4	04/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-4	10/17/2024	ND	2.0000		
Antimony, total	ug/L	MW-4	04/10/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-4	10/21/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Arsenic, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/06/2023		4.5000		
Arsenic, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-4	10/17/2024	ND	4.0000		
Arsenic, total	ug/L	MW-4	04/10/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-4	10/21/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-4	10/14/2014		141.0000		
Barium, total	ug/L	MW-4	04/13/2015		103.0000		
Barium, total	ug/L	MW-4	09/23/2015		92.5000		
Barium, total	ug/L	MW-4	04/12/2016		66.2000		
Barium, total	ug/L	MW-4	10/11/2016		77.7000		
Barium, total	ug/L	MW-4	04/20/2017		128.0000		
Barium, total	ug/L	MW-4	10/12/2017		83.8000		
Barium, total	ug/L	MW-4	04/23/2018		116.0000		
Barium, total	ug/L	MW-4	10/12/2018		111.0000		
Barium, total	ug/L	MW-4	04/16/2019		71.2000		
Barium, total	ug/L	MW-4	10/17/2019		137.0000		
Barium, total	ug/L	MW-4	04/09/2020		65.3000		
Barium, total	ug/L	MW-4	10/08/2020		75.2000		
Barium, total	ug/L	MW-4	04/15/2021		49.6000		
Barium, total	ug/L	MW-4	10/28/2021		73.2000		
Barium, total	ug/L	MW-4	04/13/2022		63.6000		
Barium, total	ug/L	MW-4	10/19/2022		81.8000		
Barium, total	ug/L	MW-4	04/06/2023		162.0000		
Barium, total	ug/L	MW-4	10/10/2023		67.4000		
Barium, total	ug/L	MW-4	04/11/2024		33.4000		
Barium, total	ug/L	MW-4	10/17/2024		76.7000		
Barium, total	ug/L	MW-4	04/10/2025		55.3000		
Barium, total	ug/L	MW-4	10/21/2025		73.2000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Beryllium, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-4	10/17/2024	ND	4.0000		
Beryllium, total	ug/L	MW-4	04/10/2025	ND	0.5000	4.0000	**
Beryllium, total	ug/L	MW-4	10/21/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-4	10/14/2014	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/13/2015	ND	0.8000		
Cadmium, total	ug/L	MW-4	09/23/2015	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/12/2016	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/11/2016	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/20/2017	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/12/2017	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/23/2018	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/16/2019	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/17/2019	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/08/2020	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/15/2021	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/13/2022	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/19/2022	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-4	10/17/2024	ND	0.8000		
Cadmium, total	ug/L	MW-4	04/10/2025		0.8000		
Cadmium, total	ug/L	MW-4	10/21/2025	ND	0.2000	0.8000	**
Chromium, total	ug/L	MW-4	10/14/2014	ND	8.0000		
Chromium, total	ug/L	MW-4	04/13/2015	ND	8.0000		
Chromium, total	ug/L	MW-4	09/23/2015	ND	8.0000		
Chromium, total	ug/L	MW-4	04/12/2016	ND	8.0000		
Chromium, total	ug/L	MW-4	10/11/2016	ND	8.0000		
Chromium, total	ug/L	MW-4	04/20/2017		9.1000		
Chromium, total	ug/L	MW-4	10/12/2017	ND	8.0000		
Chromium, total	ug/L	MW-4	04/23/2018	ND	8.0000		
Chromium, total	ug/L	MW-4	10/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-4	04/16/2019	ND	8.0000		
Chromium, total	ug/L	MW-4	10/17/2019	ND	8.0000		
Chromium, total	ug/L	MW-4	04/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-4	10/08/2020	ND	8.0000		
Chromium, total	ug/L	MW-4	04/15/2021	ND	8.0000		
Chromium, total	ug/L	MW-4	10/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-4	04/13/2022	ND	8.0000		
Chromium, total	ug/L	MW-4	10/19/2022	ND	8.0000		
Chromium, total	ug/L	MW-4	04/06/2023		8.3000		
Chromium, total	ug/L	MW-4	10/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-4	04/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-4	10/17/2024	ND	8.0000		
Chromium, total	ug/L	MW-4	04/10/2025	ND	1.0000	8.0000	**
Chromium, total	ug/L	MW-4	10/21/2025		1.1000		
Cobalt, total	ug/L	MW-4	10/14/2014		2.1000		
Cobalt, total	ug/L	MW-4	04/13/2015	ND	0.8000		
Cobalt, total	ug/L	MW-4	09/23/2015	ND	0.8000		
Cobalt, total	ug/L	MW-4	04/12/2016	ND	0.8000		
Cobalt, total	ug/L	MW-4	10/11/2016	ND	0.8000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-4	04/20/2017		3.3000		
Cobalt, total	ug/L	MW-4	10/12/2017	ND	0.8000		
Cobalt, total	ug/L	MW-4	04/23/2018		2.8000		
Cobalt, total	ug/L	MW-4	10/12/2018		1.4000		
Cobalt, total	ug/L	MW-4	04/16/2019	ND	0.8000		
Cobalt, total	ug/L	MW-4	10/17/2019		2.0000		
Cobalt, total	ug/L	MW-4	04/09/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	10/08/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	04/15/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	10/28/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	04/13/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	10/19/2022	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-4	04/06/2023		3.5000		
Cobalt, total	ug/L	MW-4	10/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	04/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	10/17/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-4	04/10/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-4	10/21/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-4	10/14/2014		6.1000		
Copper, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Copper, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Copper, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Copper, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Copper, total	ug/L	MW-4	04/20/2017		5.5000		
Copper, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Copper, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Copper, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Copper, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Copper, total	ug/L	MW-4	10/17/2019		4.3000		
Copper, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Copper, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Copper, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Copper, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Copper, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Copper, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Copper, total	ug/L	MW-4	04/06/2023		9.1000		
Copper, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Copper, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Copper, total	ug/L	MW-4	10/17/2024	ND	4.0000		
Copper, total	ug/L	MW-4	04/10/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-4	10/21/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Lead, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Lead, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Lead, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Lead, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Lead, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Lead, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Lead, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Lead, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Lead, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Lead, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Lead, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Lead, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Lead, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Lead, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Lead, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Lead, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Lead, total	ug/L	MW-4	04/06/2023		7.6000		
Lead, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Lead, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Lead, total	ug/L	MW-4	10/17/2024	ND	4.0000		
Lead, total	ug/L	MW-4	04/10/2025	ND	1.0000	4.0000	**
Lead, total	ug/L	MW-4	10/21/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-4	10/14/2014		6.2000		
Nickel, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Nickel, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Nickel, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Nickel, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Nickel, total	ug/L	MW-4	04/20/2017		9.5000		
Nickel, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Nickel, total	ug/L	MW-4	04/23/2018		4.5000		
Nickel, total	ug/L	MW-4	10/12/2018		4.7000		
Nickel, total	ug/L	MW-4	04/16/2019	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	
Nickel, total	ug/L	MW-4	10/17/2019		6.0000		
Nickel, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Nickel, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Nickel, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Nickel, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Nickel, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Nickel, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Nickel, total	ug/L	MW-4	04/06/2023		9.8000		
Nickel, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-4	10/17/2024	ND	4.0000		
Nickel, total	ug/L	MW-4	04/10/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-4	10/21/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Selenium, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Selenium, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Selenium, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Selenium, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Selenium, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Selenium, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Selenium, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Selenium, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Selenium, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Selenium, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Selenium, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Selenium, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Selenium, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Selenium, total	ug/L	MW-4	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-4	10/17/2024	ND	4.0000		
Selenium, total	ug/L	MW-4	04/10/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-4	10/21/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-4	10/14/2014	ND	4.0000		
Silver, total	ug/L	MW-4	04/13/2015	ND	4.0000		
Silver, total	ug/L	MW-4	09/23/2015	ND	4.0000		
Silver, total	ug/L	MW-4	04/12/2016	ND	4.0000		
Silver, total	ug/L	MW-4	10/11/2016	ND	4.0000		
Silver, total	ug/L	MW-4	04/20/2017	ND	4.0000		
Silver, total	ug/L	MW-4	10/12/2017	ND	4.0000		
Silver, total	ug/L	MW-4	04/23/2018	ND	4.0000		
Silver, total	ug/L	MW-4	10/12/2018	ND	4.0000		
Silver, total	ug/L	MW-4	04/16/2019	ND	4.0000		
Silver, total	ug/L	MW-4	10/17/2019	ND	4.0000		
Silver, total	ug/L	MW-4	04/09/2020	ND	4.0000		
Silver, total	ug/L	MW-4	10/08/2020	ND	4.0000		
Silver, total	ug/L	MW-4	04/15/2021	ND	4.0000		
Silver, total	ug/L	MW-4	10/28/2021	ND	4.0000		
Silver, total	ug/L	MW-4	04/13/2022	ND	4.0000		
Silver, total	ug/L	MW-4	10/19/2022	ND	4.0000		
Silver, total	ug/L	MW-4	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-4	10/10/2023	ND	4.0000		
Silver, total	ug/L	MW-4	04/11/2024	ND	4.0000		
Silver, total	ug/L	MW-4	10/17/2024	ND	4.0000		
Silver, total	ug/L	MW-4	04/10/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-4	10/21/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-4	10/14/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/13/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	09/23/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/12/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	10/11/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/20/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	10/12/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/23/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	10/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-4	04/16/2019	ND	2.0000		
Thallium, total	ug/L	MW-4	10/17/2019	ND	2.0000		
Thallium, total	ug/L	MW-4	04/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-4	10/08/2020	ND	2.0000		
Thallium, total	ug/L	MW-4	04/15/2021	ND	2.0000		
Thallium, total	ug/L	MW-4	10/28/2021	ND	2.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-4	04/13/2022	ND	2.0000		
Thallium, total	ug/L	MW-4	10/19/2022	ND	2.0000		
Thallium, total	ug/L	MW-4	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-4	10/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-4	04/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-4	10/17/2024	ND	2.0000		
Thallium, total	ug/L	MW-4	04/10/2025	ND	0.5000	2.0000	**
Thallium, total	ug/L	MW-4	10/21/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-4	10/14/2014	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/13/2015	ND	20.0000		
Vanadium, total	ug/L	MW-4	09/23/2015	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/12/2016	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/11/2016	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/20/2017	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/12/2017	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/23/2018	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/16/2019	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/17/2019	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/08/2020	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/15/2021	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/13/2022	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/19/2022	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-4	10/17/2024	ND	20.0000		
Vanadium, total	ug/L	MW-4	04/10/2025	ND	2.0000	20.0000	**
Vanadium, total	ug/L	MW-4	10/21/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-4	10/14/2014		40.0000		
Zinc, total	ug/L	MW-4	01/12/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-4	04/13/2015		12.4000		
Zinc, total	ug/L	MW-4	09/23/2015		10.3000		
Zinc, total	ug/L	MW-4	04/12/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-4	10/11/2016		11.9000		
Zinc, total	ug/L	MW-4	01/17/2017		58.9000		
Zinc, total	ug/L	MW-4	04/20/2017		57.6000		
Zinc, total	ug/L	MW-4	10/12/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-4	04/23/2018		159.0000		
Zinc, total	ug/L	MW-4	10/12/2018		237.0000		
Zinc, total	ug/L	MW-4	04/16/2019	ND	20.0000		
Zinc, total	ug/L	MW-4	10/17/2019		130.0000		
Zinc, total	ug/L	MW-4	04/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-4	10/08/2020	ND	20.0000		
Zinc, total	ug/L	MW-4	04/15/2021	ND	20.0000		
Zinc, total	ug/L	MW-4	10/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-4	04/13/2022	ND	20.0000		
Zinc, total	ug/L	MW-4	10/19/2022		216.0000		
Zinc, total	ug/L	MW-4	04/06/2023		627.0000		*
Zinc, total	ug/L	MW-4	10/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-4	04/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-4	10/17/2024		70.9000		
Zinc, total	ug/L	MW-4	04/10/2025		19.7000		
Zinc, total	ug/L	MW-4	10/21/2025		12.3000		
Antimony, total	ug/L	MW-5	10/14/2014	ND	2.0000		
Antimony, total	ug/L	MW-5	04/13/2015	ND	2.0000		
Antimony, total	ug/L	MW-5	09/23/2015	ND	2.0000		
Antimony, total	ug/L	MW-5	04/12/2016	ND	2.0000		
Antimony, total	ug/L	MW-5	10/11/2016	ND	2.0000		
Antimony, total	ug/L	MW-5	04/20/2017	ND	2.0000		
Antimony, total	ug/L	MW-5	10/12/2017	ND	2.0000		
Antimony, total	ug/L	MW-5	04/23/2018	ND	2.0000		
Antimony, total	ug/L	MW-5	10/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-5	04/16/2019	ND	2.0000		
Antimony, total	ug/L	MW-5	10/17/2019	ND	2.0000		
Antimony, total	ug/L	MW-5	04/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-5	10/08/2020	ND	2.0000		
Antimony, total	ug/L	MW-5	04/15/2021	ND	2.0000		
Antimony, total	ug/L	MW-5	10/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-5	04/13/2022	ND	2.0000		
Antimony, total	ug/L	MW-5	10/19/2022	ND	2.0000		
Antimony, total	ug/L	MW-5	04/06/2023	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-5	10/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-5	04/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-5	10/17/2024	ND	2.0000		
Antimony, total	ug/L	MW-5	04/10/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-5	10/21/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Arsenic, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-5	10/17/2024		4.0000		
Arsenic, total	ug/L	MW-5	04/10/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-5	10/21/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-5	10/14/2014		251.0000		
Barium, total	ug/L	MW-5	04/13/2015		272.0000		
Barium, total	ug/L	MW-5	09/23/2015		330.0000		
Barium, total	ug/L	MW-5	11/24/2015		328.0000		
Barium, total	ug/L	MW-5	04/12/2016		167.0000		
Barium, total	ug/L	MW-5	10/11/2016		262.0000		
Barium, total	ug/L	MW-5	04/20/2017		338.0000		
Barium, total	ug/L	MW-5	10/12/2017		276.0000		
Barium, total	ug/L	MW-5	04/23/2018		206.0000		
Barium, total	ug/L	MW-5	10/12/2018		212.0000		
Barium, total	ug/L	MW-5	04/16/2019		193.0000		
Barium, total	ug/L	MW-5	10/17/2019		296.0000		
Barium, total	ug/L	MW-5	04/09/2020		268.0000		
Barium, total	ug/L	MW-5	10/08/2020		268.0000		
Barium, total	ug/L	MW-5	04/15/2021		71.8000		
Barium, total	ug/L	MW-5	10/28/2021		175.0000		
Barium, total	ug/L	MW-5	04/13/2022		180.0000		
Barium, total	ug/L	MW-5	10/19/2022		250.0000		
Barium, total	ug/L	MW-5	04/06/2023		206.0000		
Barium, total	ug/L	MW-5	10/10/2023		202.0000		
Barium, total	ug/L	MW-5	04/11/2024		71.7000		*
Barium, total	ug/L	MW-5	10/17/2024		287.0000		
Barium, total	ug/L	MW-5	04/10/2025		71.1000		*
Barium, total	ug/L	MW-5	10/21/2025		171.0000		
Beryllium, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Beryllium, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-5	10/17/2024	ND	4.0000		
Beryllium, total	ug/L	MW-5	04/10/2025	ND	0.5000	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-5	10/21/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-5	10/14/2014	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/13/2015	ND	0.8000		
Cadmium, total	ug/L	MW-5	09/23/2015	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/12/2016	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/11/2016	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/20/2017	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/12/2017	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/23/2018	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/16/2019	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/17/2019	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/08/2020	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/15/2021	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/13/2022	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/19/2022	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/06/2023		1.1000		
Cadmium, total	ug/L	MW-5	10/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-5	04/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-5	10/17/2024		1.1000		
Cadmium, total	ug/L	MW-5	04/10/2025	ND	0.2000	0.8000	**
Cadmium, total	ug/L	MW-5	10/21/2025	ND	0.2000	0.8000	**
Chromium, total	ug/L	MW-5	10/14/2014	ND	8.0000		
Chromium, total	ug/L	MW-5	04/13/2015	ND	8.0000		
Chromium, total	ug/L	MW-5	09/23/2015	ND	8.0000		
Chromium, total	ug/L	MW-5	04/12/2016	ND	8.0000		
Chromium, total	ug/L	MW-5	10/11/2016	ND	8.0000		
Chromium, total	ug/L	MW-5	04/20/2017	ND	8.0000		
Chromium, total	ug/L	MW-5	10/12/2017	ND	8.0000		
Chromium, total	ug/L	MW-5	04/23/2018	ND	8.0000		
Chromium, total	ug/L	MW-5	10/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-5	04/16/2019	ND	8.0000		
Chromium, total	ug/L	MW-5	10/17/2019	ND	8.0000		
Chromium, total	ug/L	MW-5	04/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-5	10/08/2020	ND	8.0000		
Chromium, total	ug/L	MW-5	04/15/2021	ND	8.0000		
Chromium, total	ug/L	MW-5	10/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-5	04/13/2022	ND	8.0000		
Chromium, total	ug/L	MW-5	10/19/2022	ND	8.0000		
Chromium, total	ug/L	MW-5	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-5	10/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-5	04/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-5	10/17/2024	ND	8.0000		
Chromium, total	ug/L	MW-5	04/10/2025		1.0000		
Chromium, total	ug/L	MW-5	10/21/2025		1.2000		
Cobalt, total	ug/L	MW-5	10/14/2014	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/13/2015	ND	0.8000		
Cobalt, total	ug/L	MW-5	09/23/2015	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/12/2016	ND	0.8000		
Cobalt, total	ug/L	MW-5	10/11/2016	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/20/2017	ND	0.8000		
Cobalt, total	ug/L	MW-5	10/12/2017	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/23/2018	ND	0.8000		
Cobalt, total	ug/L	MW-5	10/12/2018	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/16/2019	ND	0.8000		
Cobalt, total	ug/L	MW-5	10/17/2019	ND	0.8000		
Cobalt, total	ug/L	MW-5	04/09/2020		3.4000		
Cobalt, total	ug/L	MW-5	10/08/2020		0.6000		
Cobalt, total	ug/L	MW-5	04/15/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-5	10/28/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-5	04/13/2022		0.4000		
Cobalt, total	ug/L	MW-5	10/19/2022	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-5	04/06/2023		2.7000		
Cobalt, total	ug/L	MW-5	10/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-5	04/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-5	10/17/2024		3.5000		
Cobalt, total	ug/L	MW-5	04/10/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-5	10/21/2025		0.6000		
Copper, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Copper, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Copper, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Copper, total	ug/L	MW-5	04/12/2016	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Copper, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Copper, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Copper, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Copper, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Copper, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Copper, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Copper, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Copper, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Copper, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Copper, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Copper, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Copper, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Copper, total	ug/L	MW-5	04/06/2023		9.6000		
Copper, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Copper, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Copper, total	ug/L	MW-5	10/17/2024		12.6000		
Copper, total	ug/L	MW-5	04/10/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-5	10/21/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Lead, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Lead, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Lead, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Lead, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Lead, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Lead, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Lead, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Lead, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Lead, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Lead, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Lead, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Lead, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Lead, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Lead, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Lead, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Lead, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Lead, total	ug/L	MW-5	04/06/2023		6.2000		
Lead, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Lead, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Lead, total	ug/L	MW-5	10/17/2024		11.9000		
Lead, total	ug/L	MW-5	04/10/2025	ND	1.0000	4.0000	**
Lead, total	ug/L	MW-5	10/21/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-5	10/14/2014		5.9000		
Nickel, total	ug/L	MW-5	04/13/2015		6.3000		
Nickel, total	ug/L	MW-5	09/23/2015		5.7000		
Nickel, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Nickel, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Nickel, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Nickel, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Nickel, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Nickel, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Nickel, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Nickel, total	ug/L	MW-5	04/09/2020		6.8000		
Nickel, total	ug/L	MW-5	10/08/2020		6.6000		
Nickel, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Nickel, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Nickel, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Nickel, total	ug/L	MW-5	10/19/2022		5.4000		
Nickel, total	ug/L	MW-5	04/06/2023		13.1000		*
Nickel, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-5	10/17/2024		16.3000		*
Nickel, total	ug/L	MW-5	04/10/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-5	10/21/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Selenium, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Selenium, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Selenium, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Selenium, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Selenium, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Selenium, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Selenium, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Selenium, total	ug/L	MW-5	10/12/2018	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Selenium, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Selenium, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Selenium, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Selenium, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Selenium, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Selenium, total	ug/L	MW-5	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-5	10/17/2024	ND	4.0000		
Selenium, total	ug/L	MW-5	04/10/2025		2.1000		
Selenium, total	ug/L	MW-5	10/21/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-5	10/14/2014	ND	4.0000		
Silver, total	ug/L	MW-5	04/13/2015	ND	4.0000		
Silver, total	ug/L	MW-5	09/23/2015	ND	4.0000		
Silver, total	ug/L	MW-5	04/12/2016	ND	4.0000		
Silver, total	ug/L	MW-5	10/11/2016	ND	4.0000		
Silver, total	ug/L	MW-5	04/20/2017	ND	4.0000		
Silver, total	ug/L	MW-5	10/12/2017	ND	4.0000		
Silver, total	ug/L	MW-5	04/23/2018	ND	4.0000		
Silver, total	ug/L	MW-5	10/12/2018	ND	4.0000		
Silver, total	ug/L	MW-5	04/16/2019	ND	4.0000		
Silver, total	ug/L	MW-5	10/17/2019	ND	4.0000		
Silver, total	ug/L	MW-5	04/09/2020	ND	4.0000		
Silver, total	ug/L	MW-5	10/08/2020	ND	4.0000		
Silver, total	ug/L	MW-5	04/15/2021	ND	4.0000		
Silver, total	ug/L	MW-5	10/28/2021	ND	4.0000		
Silver, total	ug/L	MW-5	04/13/2022	ND	4.0000		
Silver, total	ug/L	MW-5	10/19/2022	ND	4.0000		
Silver, total	ug/L	MW-5	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-5	10/10/2023	ND	4.0000		
Silver, total	ug/L	MW-5	04/11/2024	ND	4.0000		
Silver, total	ug/L	MW-5	10/17/2024	ND	4.0000		
Silver, total	ug/L	MW-5	04/10/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-5	10/21/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-5	10/14/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/13/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	09/23/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/12/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	10/11/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/20/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	10/12/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/23/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	10/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-5	04/16/2019	ND	2.0000		
Thallium, total	ug/L	MW-5	10/17/2019	ND	2.0000		
Thallium, total	ug/L	MW-5	04/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-5	10/08/2020	ND	2.0000		
Thallium, total	ug/L	MW-5	04/15/2021	ND	2.0000		
Thallium, total	ug/L	MW-5	10/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-5	04/13/2022	ND	2.0000		
Thallium, total	ug/L	MW-5	10/19/2022	ND	2.0000		
Thallium, total	ug/L	MW-5	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-5	10/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-5	04/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-5	10/17/2024	ND	2.0000		
Thallium, total	ug/L	MW-5	04/10/2025	ND	0.5000	2.0000	**
Thallium, total	ug/L	MW-5	10/21/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-5	10/14/2014	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/13/2015	ND	20.0000		
Vanadium, total	ug/L	MW-5	09/23/2015	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/12/2016	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/11/2016	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/20/2017	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/12/2017	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/23/2018	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/16/2019	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/17/2019	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/08/2020	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/15/2021	ND	20.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-5	10/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/13/2022	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/19/2022	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-5	10/17/2024	ND	20.0000		
Vanadium, total	ug/L	MW-5	04/10/2025	ND	2.0000	20.0000	**
Vanadium, total	ug/L	MW-5	10/21/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-5	10/14/2014		24.7000		
Zinc, total	ug/L	MW-5	04/13/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	09/23/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	04/12/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	10/11/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	04/20/2017		16.5000		
Zinc, total	ug/L	MW-5	10/12/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-5	04/23/2018		15.2000		
Zinc, total	ug/L	MW-5	10/12/2018		20.3000		
Zinc, total	ug/L	MW-5	04/16/2019	ND	20.0000		
Zinc, total	ug/L	MW-5	10/17/2019		83.1000		
Zinc, total	ug/L	MW-5	04/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-5	10/08/2020	ND	20.0000		
Zinc, total	ug/L	MW-5	04/15/2021	ND	20.0000		
Zinc, total	ug/L	MW-5	10/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-5	04/13/2022	ND	20.0000		
Zinc, total	ug/L	MW-5	10/19/2022	ND	20.0000		
Zinc, total	ug/L	MW-5	04/06/2023		411.0000		*
Zinc, total	ug/L	MW-5	10/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-5	04/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-5	10/17/2024		1080.0000		*
Zinc, total	ug/L	MW-5	04/10/2025		11.6000		
Zinc, total	ug/L	MW-5	10/21/2025		11.3000		
Antimony, total	ug/L	MW-9	10/14/2014	ND	2.0000		
Antimony, total	ug/L	MW-9	01/12/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	04/14/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	07/21/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	09/22/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	04/12/2016	ND	2.0000		
Antimony, total	ug/L	MW-9	10/11/2016	ND	2.0000		
Antimony, total	ug/L	MW-9	04/20/2017	ND	2.0000		
Antimony, total	ug/L	MW-9	10/12/2017	ND	2.0000		
Antimony, total	ug/L	MW-9	04/23/2018	ND	2.0000		
Antimony, total	ug/L	MW-9	10/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-9	04/16/2019	ND	2.0000		
Antimony, total	ug/L	MW-9	10/17/2019	ND	2.0000		
Antimony, total	ug/L	MW-9	04/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-9	10/08/2020	ND	2.0000		
Antimony, total	ug/L	MW-9	04/15/2021	ND	2.0000		
Antimony, total	ug/L	MW-9	10/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-9	04/13/2022	ND	2.0000		
Antimony, total	ug/L	MW-9	10/19/2022	ND	2.0000		
Antimony, total	ug/L	MW-9	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-9	10/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-9	04/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-9	10/17/2024	ND	2.0000		
Antimony, total	ug/L	MW-9	04/10/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-9	10/21/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Arsenic, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Arsenic, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Arsenic, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/28/2021	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-9	04/13/2022	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/17/2024	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/10/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-9	10/21/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-9	10/14/2014		114.0000		
Barium, total	ug/L	MW-9	01/12/2015		115.0000		
Barium, total	ug/L	MW-9	04/14/2015		138.0000		
Barium, total	ug/L	MW-9	07/21/2015		111.0000		
Barium, total	ug/L	MW-9	09/22/2015		114.0000		
Barium, total	ug/L	MW-9	04/12/2016		99.2000		
Barium, total	ug/L	MW-9	10/11/2016		106.0000		
Barium, total	ug/L	MW-9	04/20/2017		116.0000		
Barium, total	ug/L	MW-9	10/12/2017		105.0000		
Barium, total	ug/L	MW-9	04/23/2018		110.0000		
Barium, total	ug/L	MW-9	10/12/2018		106.0000		
Barium, total	ug/L	MW-9	04/16/2019		106.0000		
Barium, total	ug/L	MW-9	10/17/2019		113.0000		
Barium, total	ug/L	MW-9	04/09/2020		93.9000		
Barium, total	ug/L	MW-9	10/08/2020		98.7000		
Barium, total	ug/L	MW-9	04/15/2021		93.2000		
Barium, total	ug/L	MW-9	10/28/2021		91.9000		
Barium, total	ug/L	MW-9	04/13/2022		105.0000		
Barium, total	ug/L	MW-9	10/19/2022		102.0000		
Barium, total	ug/L	MW-9	04/06/2023		96.1000		
Barium, total	ug/L	MW-9	10/10/2023		89.8000		
Barium, total	ug/L	MW-9	04/11/2024		95.5000		
Barium, total	ug/L	MW-9	10/17/2024		137.0000		
Barium, total	ug/L	MW-9	04/10/2025		90.1000		
Barium, total	ug/L	MW-9	10/21/2025		91.2000		
Beryllium, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Beryllium, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/17/2024	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/10/2025	ND	0.5000	4.0000	**
Beryllium, total	ug/L	MW-9	10/21/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-9	10/14/2014	ND	0.8000		
Cadmium, total	ug/L	MW-9	01/12/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/14/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	07/21/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/22/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/12/2016	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/11/2016	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/20/2017	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/12/2017	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/23/2018	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/16/2019		1.2000		
Cadmium, total	ug/L	MW-9	10/17/2019	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/08/2020	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/15/2021	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-9	10/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/13/2022	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/19/2022		1.3000		
Cadmium, total	ug/L	MW-9	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/17/2024	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/10/2025	ND	0.2000	0.8000	**
Cadmium, total	ug/L	MW-9	10/21/2025	ND	0.2000	0.8000	**
Chromium, total	ug/L	MW-9	10/14/2014	ND	8.0000		
Chromium, total	ug/L	MW-9	01/12/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	04/14/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	07/21/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	09/22/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	04/12/2016	ND	8.0000		
Chromium, total	ug/L	MW-9	10/11/2016	ND	8.0000		
Chromium, total	ug/L	MW-9	04/20/2017	ND	8.0000		
Chromium, total	ug/L	MW-9	10/12/2017	ND	8.0000		
Chromium, total	ug/L	MW-9	04/23/2018	ND	8.0000		
Chromium, total	ug/L	MW-9	10/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-9	04/16/2019	ND	8.0000		
Chromium, total	ug/L	MW-9	10/17/2019	ND	8.0000		
Chromium, total	ug/L	MW-9	04/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-9	10/08/2020	ND	8.0000		
Chromium, total	ug/L	MW-9	04/15/2021	ND	8.0000		
Chromium, total	ug/L	MW-9	10/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-9	04/13/2022	ND	8.0000		
Chromium, total	ug/L	MW-9	10/19/2022	ND	8.0000		
Chromium, total	ug/L	MW-9	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-9	10/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-9	04/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-9	10/17/2024	ND	8.0000		
Chromium, total	ug/L	MW-9	04/10/2025	ND	1.0000	8.0000	**
Chromium, total	ug/L	MW-9	10/21/2025	ND	1.0000	8.0000	**
Cobalt, total	ug/L	MW-9	10/14/2014	ND	0.8000		
Cobalt, total	ug/L	MW-9	01/12/2015	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/14/2015	ND	0.8000		
Cobalt, total	ug/L	MW-9	07/21/2015	ND	0.8000		
Cobalt, total	ug/L	MW-9	09/22/2015	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/12/2016	ND	0.8000		
Cobalt, total	ug/L	MW-9	10/11/2016	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/20/2017	ND	0.8000		
Cobalt, total	ug/L	MW-9	10/12/2017	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/23/2018	ND	0.8000		
Cobalt, total	ug/L	MW-9	10/12/2018	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/16/2019	ND	0.8000		
Cobalt, total	ug/L	MW-9	10/17/2019	ND	0.8000		
Cobalt, total	ug/L	MW-9	04/09/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/08/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	04/15/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/28/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	04/13/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/19/2022	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-9	04/06/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	04/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	10/17/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-9	04/10/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-9	10/21/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Copper, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Copper, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Copper, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Copper, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Copper, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Copper, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Copper, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Copper, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Copper, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Copper, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Copper, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Copper, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Copper, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Copper, total	ug/L	MW-9	10/08/2020	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Copper, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Copper, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Copper, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Copper, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Copper, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Copper, total	ug/L	MW-9	10/17/2024	ND	4.0000		
Copper, total	ug/L	MW-9	04/10/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-9	10/21/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Lead, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Lead, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Lead, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Lead, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Lead, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Lead, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Lead, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Lead, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Lead, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Lead, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Lead, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Lead, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Lead, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Lead, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Lead, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Lead, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Lead, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Lead, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Lead, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Lead, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Lead, total	ug/L	MW-9	10/17/2024	ND	4.0000		
Lead, total	ug/L	MW-9	04/10/2025	ND	1.0000	4.0000	**
Lead, total	ug/L	MW-9	10/21/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Nickel, total	ug/L	MW-9	01/12/2015		4.0000		
Nickel, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Nickel, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Nickel, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Nickel, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Nickel, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Nickel, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Nickel, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Nickel, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Nickel, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Nickel, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Nickel, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Nickel, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Nickel, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Nickel, total	ug/L	MW-9	10/28/2021		4.2000		
Nickel, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Nickel, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Nickel, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-9	10/17/2024	ND	4.0000		
Nickel, total	ug/L	MW-9	04/10/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-9	10/21/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Selenium, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Selenium, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Selenium, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Selenium, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Selenium, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Selenium, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Selenium, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Selenium, total	ug/L	MW-9	04/09/2020	ND	4.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Selenium, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Selenium, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Selenium, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Selenium, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-9	10/17/2024	ND	4.0000		
Selenium, total	ug/L	MW-9	04/10/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-9	10/21/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-9	10/14/2014	ND	4.0000		
Silver, total	ug/L	MW-9	01/12/2015	ND	4.0000		
Silver, total	ug/L	MW-9	04/14/2015	ND	4.0000		
Silver, total	ug/L	MW-9	07/21/2015	ND	4.0000		
Silver, total	ug/L	MW-9	09/22/2015	ND	4.0000		
Silver, total	ug/L	MW-9	04/12/2016	ND	4.0000		
Silver, total	ug/L	MW-9	10/11/2016	ND	4.0000		
Silver, total	ug/L	MW-9	04/20/2017	ND	4.0000		
Silver, total	ug/L	MW-9	10/12/2017	ND	4.0000		
Silver, total	ug/L	MW-9	04/23/2018	ND	4.0000		
Silver, total	ug/L	MW-9	10/12/2018	ND	4.0000		
Silver, total	ug/L	MW-9	04/16/2019	ND	4.0000		
Silver, total	ug/L	MW-9	10/17/2019	ND	4.0000		
Silver, total	ug/L	MW-9	04/09/2020	ND	4.0000		
Silver, total	ug/L	MW-9	10/08/2020	ND	4.0000		
Silver, total	ug/L	MW-9	04/15/2021	ND	4.0000		
Silver, total	ug/L	MW-9	10/28/2021	ND	4.0000		
Silver, total	ug/L	MW-9	04/13/2022	ND	4.0000		
Silver, total	ug/L	MW-9	10/19/2022	ND	4.0000		
Silver, total	ug/L	MW-9	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-9	10/10/2023	ND	4.0000		
Silver, total	ug/L	MW-9	04/11/2024	ND	4.0000		
Silver, total	ug/L	MW-9	10/17/2024	ND	4.0000		
Silver, total	ug/L	MW-9	04/10/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-9	10/21/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-9	10/14/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	01/12/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/14/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	07/21/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	09/22/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/12/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	10/11/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/20/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	10/12/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/23/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	10/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/16/2019	ND	2.0000		
Thallium, total	ug/L	MW-9	10/17/2019	ND	2.0000		
Thallium, total	ug/L	MW-9	04/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-9	10/08/2020	ND	2.0000		
Thallium, total	ug/L	MW-9	04/15/2021	ND	2.0000		
Thallium, total	ug/L	MW-9	10/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-9	04/13/2022	ND	2.0000		
Thallium, total	ug/L	MW-9	10/19/2022	ND	2.0000		
Thallium, total	ug/L	MW-9	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-9	10/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-9	04/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-9	10/17/2024	ND	2.0000		
Thallium, total	ug/L	MW-9	04/10/2025	ND	0.5000	2.0000	**
Thallium, total	ug/L	MW-9	10/21/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-9	10/14/2014	ND	20.0000		
Vanadium, total	ug/L	MW-9	01/12/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/14/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	07/21/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/22/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/12/2016	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/11/2016	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/20/2017	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/12/2017	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/23/2018	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/16/2019	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/17/2019	ND	20.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-9	04/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/08/2020	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/15/2021	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/13/2022	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/19/2022	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/17/2024	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/10/2025	ND	2.0000	20.0000	**
Vanadium, total	ug/L	MW-9	10/21/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-9	10/14/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	01/12/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	04/14/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	07/21/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	09/23/2015	ND	20.0000		
Zinc, total	ug/L	MW-9	04/12/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	10/11/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	04/20/2017	ND	20.0000		
Zinc, total	ug/L	MW-9	10/12/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	04/23/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	10/12/2018		9.0000		
Zinc, total	ug/L	MW-9	04/16/2019	ND	20.0000		
Zinc, total	ug/L	MW-9	10/17/2019		29.9000		
Zinc, total	ug/L	MW-9	04/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-9	10/08/2020	ND	20.0000		
Zinc, total	ug/L	MW-9	04/15/2021	ND	20.0000		
Zinc, total	ug/L	MW-9	10/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-9	04/13/2022	ND	20.0000		
Zinc, total	ug/L	MW-9	10/19/2022	ND	20.0000		
Zinc, total	ug/L	MW-9	04/06/2023		21.3000		
Zinc, total	ug/L	MW-9	10/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-9	04/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-9	10/17/2024	ND	20.0000		
Zinc, total	ug/L	MW-9	04/10/2025		16.2000		
Zinc, total	ug/L	MW-9	10/21/2025		7.0000		

* - 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-2	10/21/2025	ND	1.0000		2.5000
Arsenic, total	ug/L	MW-2	10/21/2025		2.7000		4.5000
Barium, total	ug/L	MW-2	10/21/2025		35.1000		338.0000
Beryllium, total	ug/L	MW-2	10/21/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-2	10/21/2025	ND	0.2000		5.3000
Chromium, total	ug/L	MW-2	10/21/2025	ND	1.0000		9.1000
Cobalt, total	ug/L	MW-2	10/21/2025		2.1000		3.5000
Copper, total	ug/L	MW-2	10/21/2025	ND	5.0000		12.6000
Lead, total	ug/L	MW-2	10/21/2025	ND	1.0000		11.9000
Nickel, total	ug/L	MW-2	10/21/2025	ND	5.0000		9.8000
Selenium, total	ug/L	MW-2	10/21/2025	ND	2.0000		5.5000
Silver, total	ug/L	MW-2	10/21/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-2	10/21/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-2	10/21/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-2	10/21/2025		5.4000		237.0000
Antimony, total	ug/L	MW-3	10/21/2025	ND	1.0000		2.5000
Arsenic, total	ug/L	MW-3	10/21/2025		2.1000		4.5000
Barium, total	ug/L	MW-3	10/21/2025		261.0000		338.0000
Beryllium, total	ug/L	MW-3	10/21/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-3	10/21/2025		0.4000		5.3000
Chromium, total	ug/L	MW-3	10/21/2025		1.4000		9.1000
Cobalt, total	ug/L	MW-3	10/21/2025		4.9000	***	3.5000
Copper, total	ug/L	MW-3	10/21/2025	ND	5.0000		12.6000
Lead, total	ug/L	MW-3	10/21/2025	ND	1.0000		11.9000
Nickel, total	ug/L	MW-3	10/21/2025		13.0000	***	9.8000
Selenium, total	ug/L	MW-3	10/21/2025	ND	2.0000		5.5000
Silver, total	ug/L	MW-3	10/21/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-3	10/21/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-3	10/21/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-3	10/21/2025		16.5000		237.0000
Antimony, total	ug/L	MW-6	10/21/2025	ND	1.0000		2.5000
Arsenic, total	ug/L	MW-6	10/21/2025		3.2000	**	4.5000
Barium, total	ug/L	MW-6	10/21/2025		25.8000		338.0000
Beryllium, total	ug/L	MW-6	10/21/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-6	10/21/2025	ND	0.2000		5.3000
Chromium, total	ug/L	MW-6	10/21/2025		1.5000		9.1000
Cobalt, total	ug/L	MW-6	10/21/2025		0.6000		3.5000
Copper, total	ug/L	MW-6	10/21/2025	ND	5.0000		12.6000
Lead, total	ug/L	MW-6	10/21/2025	ND	1.0000		11.9000
Nickel, total	ug/L	MW-6	10/21/2025	ND	5.0000		9.8000
Selenium, total	ug/L	MW-6	10/21/2025	ND	2.0000		5.5000
Silver, total	ug/L	MW-6	10/21/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-6	10/21/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-6	10/21/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-6	10/21/2025		24.3000		237.0000
Antimony, total	ug/L	MW-7	10/21/2025	ND	1.0000		2.5000
Arsenic, total	ug/L	MW-7	10/21/2025	ND	2.0000		4.5000
Barium, total	ug/L	MW-7	10/21/2025		29.7000		338.0000
Beryllium, total	ug/L	MW-7	10/21/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-7	10/21/2025		0.4000		5.3000
Chromium, total	ug/L	MW-7	10/21/2025	ND	1.0000		9.1000
Cobalt, total	ug/L	MW-7	10/21/2025		0.5000		3.5000
Copper, total	ug/L	MW-7	10/21/2025	ND	5.0000		12.6000
Lead, total	ug/L	MW-7	10/21/2025	ND	1.0000		11.9000
Nickel, total	ug/L	MW-7	10/21/2025		6.2000		9.8000
Selenium, total	ug/L	MW-7	10/21/2025	ND	2.0000		5.5000
Silver, total	ug/L	MW-7	10/21/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-7	10/21/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-7	10/21/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-7	10/21/2025		5.8000		237.0000

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

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	1	96	0.010	0	116	0.000
Arsenic, total	2	96	0.021	35	138	0.254
Barium, total	95	95	1.000	152	152	1.000
Beryllium, total	0	96	0.000	0	116	0.000
Cadmium, total	7	96	0.073	12	125	0.096
Chromium, total	6	96	0.063	4	116	0.034
Cobalt, total	12	96	0.125	59	126	0.468
Copper, total	7	96	0.073	14	125	0.112
Lead, total	3	96	0.031	8	125	0.064
Nickel, total	14	94	0.149	76	153	0.497
Selenium, total	6	96	0.063	0	116	0.000
Silver, total	0	96	0.000	0	116	0.000
Thallium, total	0	96	0.000	0	116	0.000
Vanadium, total	0	96	0.000	1	116	0.009
Zinc, total	26	95	0.274	62	136	0.456

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	1	96	0.010									nonpar
Arsenic, total	2	96	0.021									nonpar
Barium, total	95	95	1.000	3.149	2.815					2.326	non-norm	nonpar
Beryllium, total	0	96	0.000									nonpar
Cadmium, total	7	96	0.073									nonpar
Chromium, total	6	96	0.063	0.938	1.447					2.326	normal	nonpar
Cobalt, total	12	96	0.125	0.845	0.854					2.326	normal	nonpar
Copper, total	7	96	0.073	0.105	0.895					2.326	normal	nonpar
Lead, total	3	96	0.031									nonpar
Nickel, total	14	94	0.149	0.124	0.164					2.326	normal	nonpar
Selenium, total	6	96	0.063	1.833	1.922					2.326	normal	nonpar
Silver, total	0	96	0.000									nonpar
Thallium, total	0	96	0.000									nonpar
Vanadium, total	0	96	0.000									nonpar
Zinc, total	26	95	0.274	2.881	1.085					2.326	lognor	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	1	96					2.5000	nonpar		0.99
Arsenic, total	ug/L	2	96					4.5000	nonpar		0.99
Barium, total	ug/L	95	95					338.0000	nonpar		0.99
Beryllium, total	ug/L	0	96					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	7	96					5.3000	nonpar		0.99
Chromium, total	ug/L	6	96					9.1000	nonpar		0.99
Cobalt, total	ug/L	12	96					3.5000	nonpar		0.99
Copper, total	ug/L	7	96					12.6000	nonpar		0.99
Lead, total	ug/L	3	96					11.9000	nonpar		0.99
Nickel, total	ug/L	14	94					9.8000	nonpar		0.99
Selenium, total	ug/L	6	96					5.5000	nonpar		0.99
Silver, total	ug/L	0	96					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	96					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	0	96					20.0000	nonpar	***	0.99
Zinc, total	ug/L	26	95					237.0000	nonpar		0.99

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Barium, total	ug/L	MW-5	04/11/2024	71.7000		10/14/2014-10/21/2025	24	0.5065
Barium, total	ug/L	MW-5	04/10/2025	71.1000		10/14/2014-10/21/2025	24	0.5065
Nickel, total	ug/L	MW-5	04/06/2023	13.1000		10/14/2014-10/21/2025	23	0.5162
Nickel, total	ug/L	MW-5	10/17/2024	16.3000		10/14/2014-10/21/2025	23	0.5162
Zinc, total	ug/L	MW-5	04/06/2023	411.0000		10/14/2014-10/21/2025	23	0.5162
Zinc, total	ug/L	MW-5	10/17/2024	1080.0000		10/14/2014-10/21/2025	23	0.5162

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 8

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

Constituent	Units	Well	Date		Result		Pred. Limit
Cobalt, total	ug/L	MW-3	04/15/2009	ND	4.0000		3.5000
Cobalt, total	ug/L	MW-3	04/23/2012	ND	4.0000		3.5000
Cobalt, total	ug/L	MW-3	09/24/2012	ND	4.0000		3.5000
Cobalt, total	ug/L	MW-3	04/24/2013	ND	4.0000		3.5000
Cobalt, total	ug/L	MW-3	10/21/2013	ND	4.0000		3.5000
Cobalt, total	ug/L	MW-3	04/08/2014	ND	4.0000		3.5000
Cobalt, total	ug/L	MW-3	10/14/2014	ND	0.8000		3.5000
Cobalt, total	ug/L	MW-3	04/13/2015	ND	0.8000		3.5000
Cobalt, total	ug/L	MW-3	09/23/2015	ND	0.8000		3.5000
Cobalt, total	ug/L	MW-3	04/12/2016	ND	0.8000		3.5000
Cobalt, total	ug/L	MW-3	10/11/2016	ND	0.8000		3.5000
Cobalt, total	ug/L	MW-3	04/20/2017	ND	0.8000		3.5000
Cobalt, total	ug/L	MW-3	10/12/2017	ND	0.8000		3.5000
Cobalt, total	ug/L	MW-3	04/23/2018	ND	0.8000		3.5000
Cobalt, total	ug/L	MW-3	10/12/2018	ND	0.8000		3.5000
Cobalt, total	ug/L	MW-3	04/16/2019	ND	0.8000		3.5000
Cobalt, total	ug/L	MW-3	10/17/2019	ND	0.8000		3.5000
Cobalt, total	ug/L	MW-3	04/09/2020	ND	0.4000		3.5000
Cobalt, total	ug/L	MW-3	10/08/2020	ND	0.4000		3.5000
Cobalt, total	ug/L	MW-3	04/15/2021	ND	0.4000		3.5000
Cobalt, total	ug/L	MW-3	10/28/2021	ND	0.4000		3.5000
Cobalt, total	ug/L	MW-3	04/13/2022	ND	0.4000		3.5000
Cobalt, total	ug/L	MW-3	10/19/2022	ND	2.0000		3.5000
Cobalt, total	ug/L	MW-3	04/06/2023	ND	0.4000		3.5000
Cobalt, total	ug/L	MW-3	10/10/2023	ND	0.4000		3.5000
Cobalt, total	ug/L	MW-3	04/11/2024	ND	0.4000		3.5000
Cobalt, total	ug/L	MW-3	10/17/2024	ND	0.4000		3.5000
Cobalt, total	ug/L	MW-3	04/10/2025		20.5000	*	3.5000
Cobalt, total	ug/L	MW-3	10/21/2025		4.9000	*	3.5000
Nickel, total	ug/L	MW-3	04/15/2009		6.8000		9.8000
Nickel, total	ug/L	MW-3	06/17/2009		5.6000		9.8000
Nickel, total	ug/L	MW-3	07/24/2009		5.6000		9.8000
Nickel, total	ug/L	MW-3	10/19/2009		7.1000		9.8000
Nickel, total	ug/L	MW-3	11/02/2009		17.4000	*	9.8000
Nickel, total	ug/L	MW-3	04/19/2010		5.3000		9.8000
Nickel, total	ug/L	MW-3	07/16/2010		8.9000		9.8000
Nickel, total	ug/L	MW-3	09/22/2010		5.4000		9.8000
Nickel, total	ug/L	MW-3	04/13/2011		7.4000		9.8000
Nickel, total	ug/L	MW-3	09/28/2011		5.1000		9.8000
Nickel, total	ug/L	MW-3	04/23/2012		7.3000		9.8000
Nickel, total	ug/L	MW-3	09/24/2012		5.3000		9.8000
Nickel, total	ug/L	MW-3	04/24/2013		8.1000		9.8000
Nickel, total	ug/L	MW-3	10/21/2013	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	04/08/2014	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	10/14/2014	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	04/13/2015	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	09/23/2015	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	04/12/2016	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	10/11/2016	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	04/20/2017	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	10/12/2017	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	04/23/2018	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	10/12/2018	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	04/16/2019	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	10/17/2019	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	04/09/2020	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	10/08/2020	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	04/15/2021	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	10/28/2021	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	04/13/2022	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	10/19/2022	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	04/06/2023	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	10/10/2023	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	04/11/2024	ND	4.0000		9.8000
Nickel, total	ug/L	MW-3	10/17/2024		4.4000		9.8000
Nickel, total	ug/L	MW-3	04/10/2025		40.4000	*	9.8000
Nickel, total	ug/L	MW-3	10/21/2025		13.0000	*	9.8000
Arsenic, total	ug/L	MW-6	04/15/2009		11.5000	*	4.5000
Arsenic, total	ug/L	MW-6	06/17/2009		14.5000	*	4.5000
Arsenic, total	ug/L	MW-6	07/24/2009	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	10/19/2009		15.0000	*	4.5000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

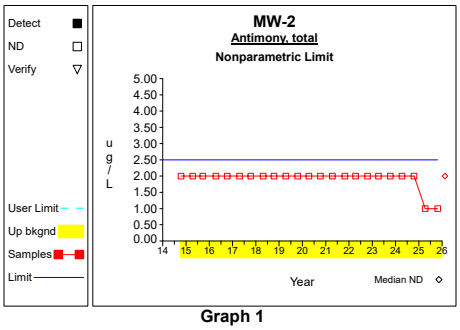
Table 8

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

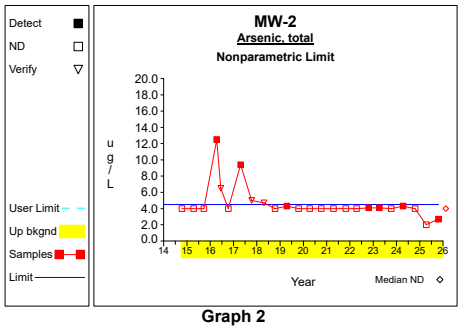
Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, total	ug/L	MW-6	11/02/2009		8.7000	*	4.5000
Arsenic, total	ug/L	MW-6	04/19/2010		19.5000	*	4.5000
Arsenic, total	ug/L	MW-6	07/16/2010		10.2000	*	4.5000
Arsenic, total	ug/L	MW-6	09/22/2010		5.6000	*	4.5000
Arsenic, total	ug/L	MW-6	04/13/2011		10.0000	*	4.5000
Arsenic, total	ug/L	MW-6	09/28/2011		15.5000	*	4.5000
Arsenic, total	ug/L	MW-6	04/23/2012		29.4000	*	4.5000
Arsenic, total	ug/L	MW-6	09/24/2012		11.3000	*	4.5000
Arsenic, total	ug/L	MW-6	04/24/2013	ND	8.0000		4.5000
Arsenic, total	ug/L	MW-6	10/21/2013	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	04/08/2014		6.3000	*	4.5000
Arsenic, total	ug/L	MW-6	07/17/2014	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	10/14/2014	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	04/13/2015	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	09/23/2015		4.2000		4.5000
Arsenic, total	ug/L	MW-6	11/24/2015	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	04/12/2016	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	10/11/2016	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	04/20/2017	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	10/12/2017	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	04/23/2018	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	10/12/2018	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	04/16/2019	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	10/17/2019	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	04/09/2020	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	10/08/2020	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	04/15/2021	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	10/28/2021	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	04/13/2022	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	10/19/2022		8.1000	*	4.5000
Arsenic, total	ug/L	MW-6	04/06/2023		5.3000	*	4.5000
Arsenic, total	ug/L	MW-6	10/10/2023	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	04/11/2024	ND	4.0000		4.5000
Arsenic, total	ug/L	MW-6	10/17/2024		17.7000	*	4.5000
Arsenic, total	ug/L	MW-6	04/10/2025		4.9000	*	4.5000
Arsenic, total	ug/L	MW-6	10/21/2025		3.2000		4.5000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

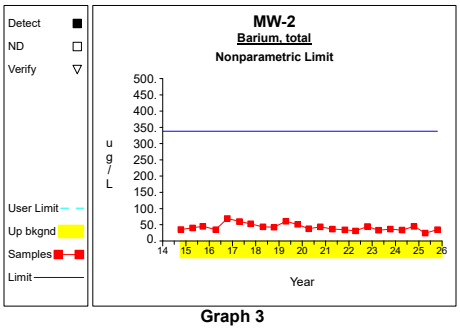
Up vs. Down Prediction Limits



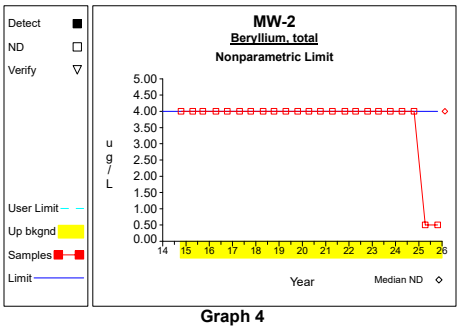
Graph 1



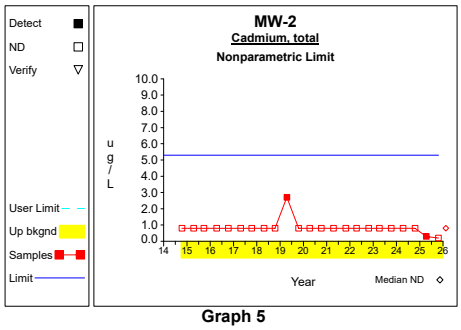
Graph 2



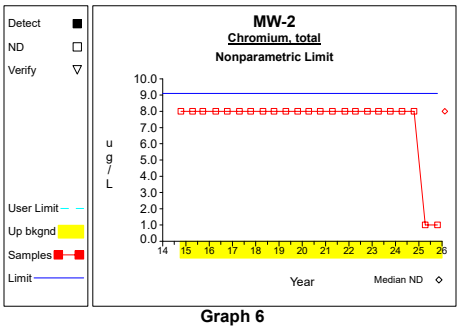
Graph 3



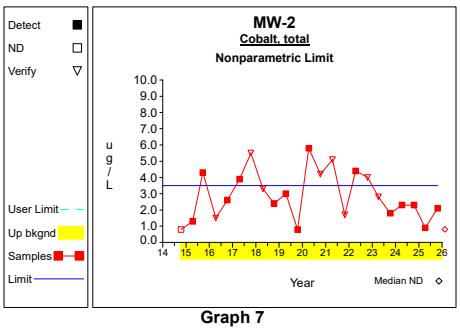
Graph 4



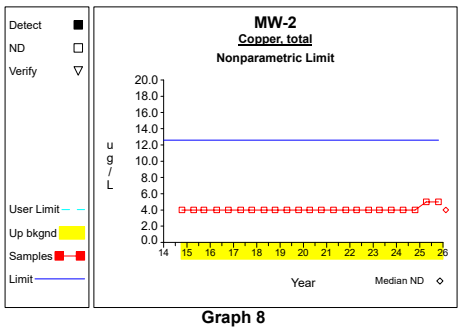
Graph 5



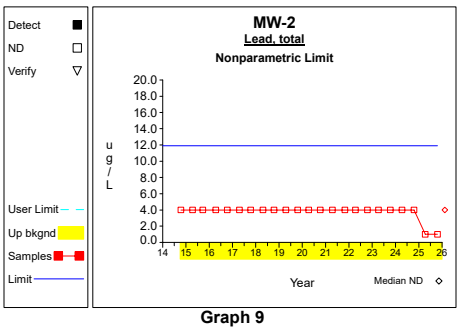
Graph 6



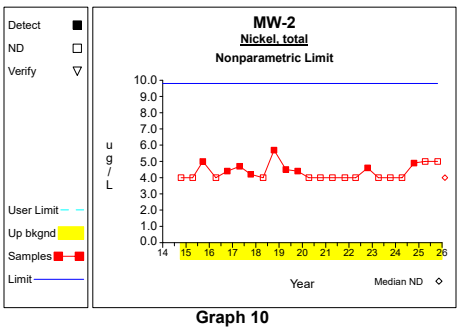
Graph 7



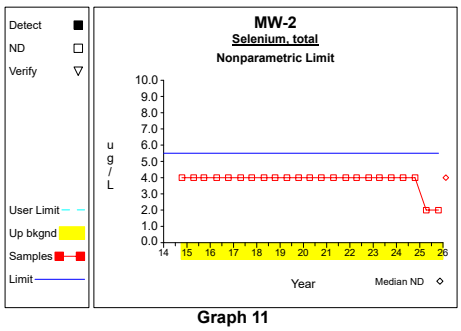
Graph 8



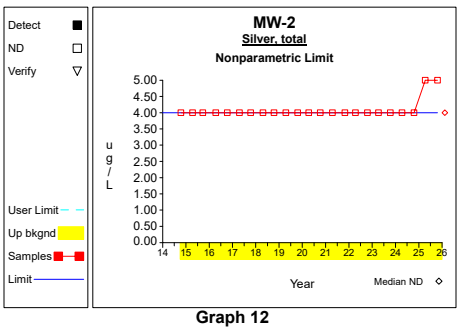
Graph 9



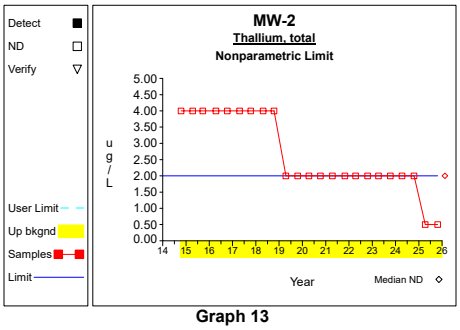
Graph 10



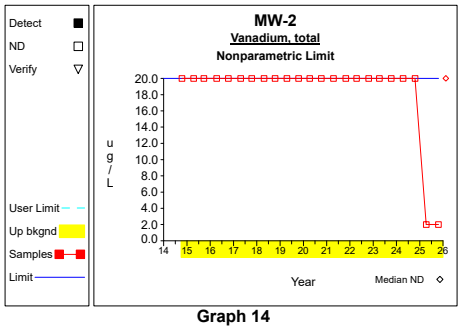
Graph 11



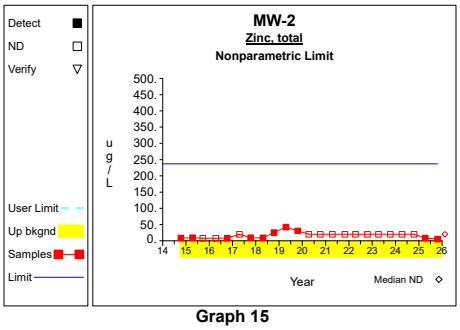
Graph 12



Graph 13



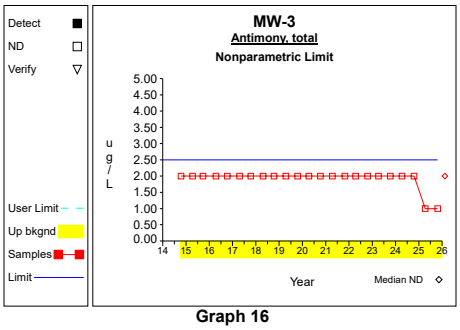
Graph 14



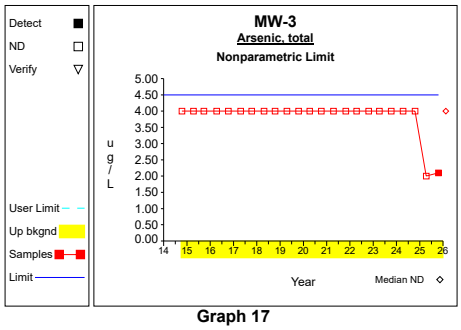
Graph 15

Prepared by: Otter Creek Environmental

Up vs. Down Prediction Limits



Graph 16



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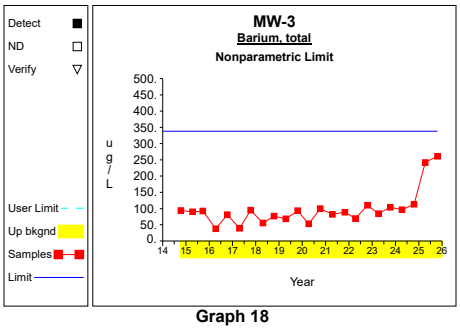

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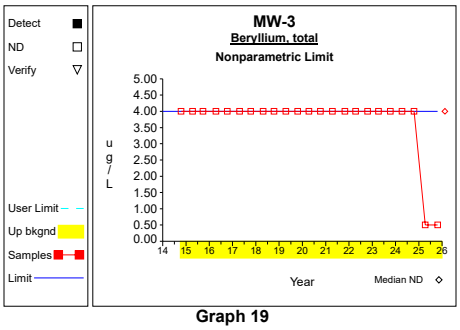

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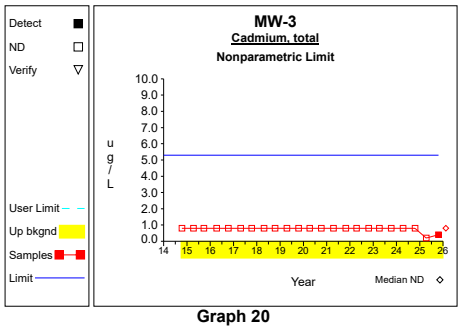

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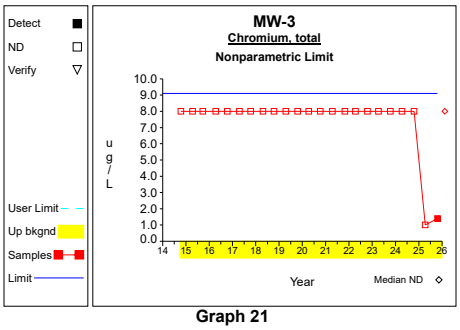

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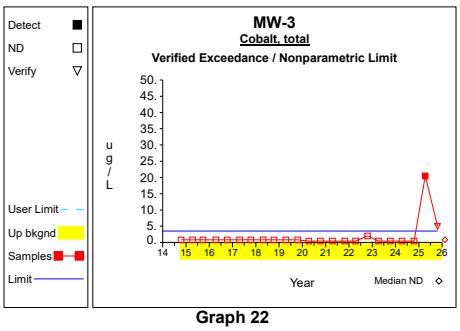

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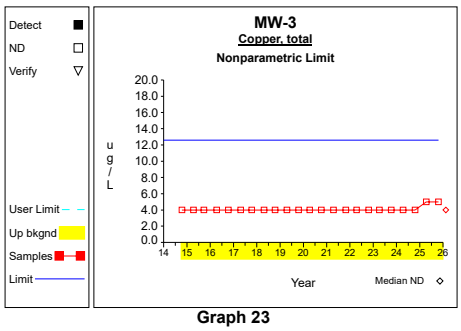

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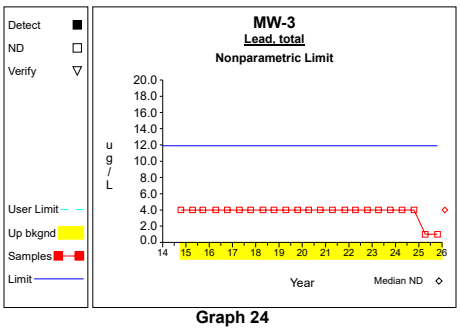

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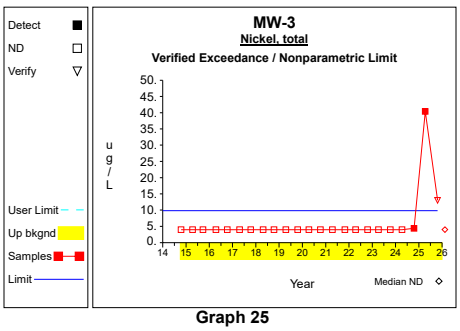

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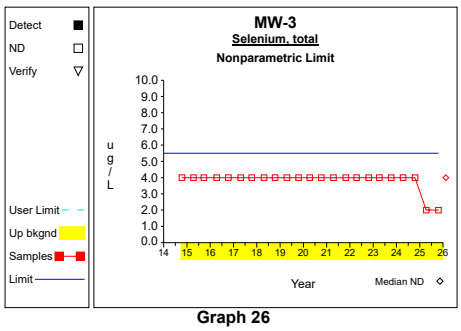

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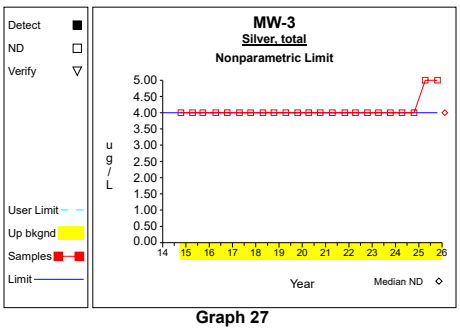

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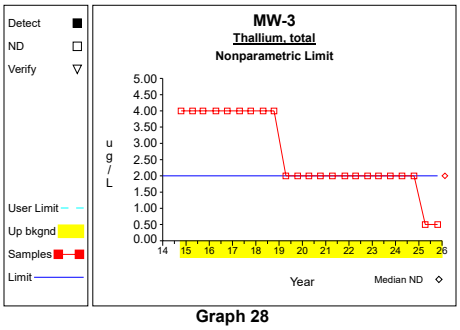

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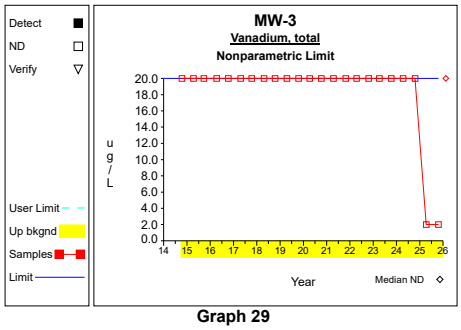

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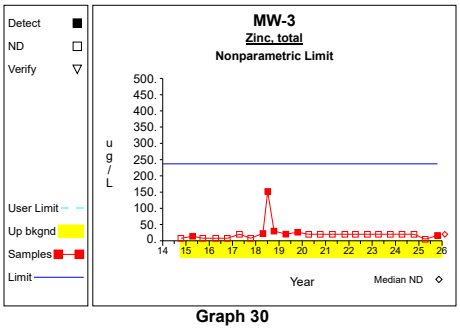
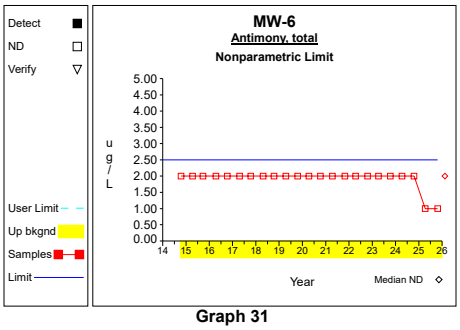


Graph 30

Prepared by: Otter Creek Environmental

Up vs. Down Prediction Limits



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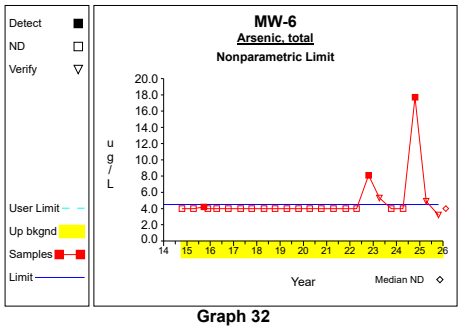

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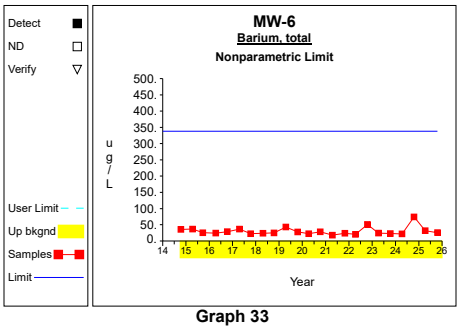

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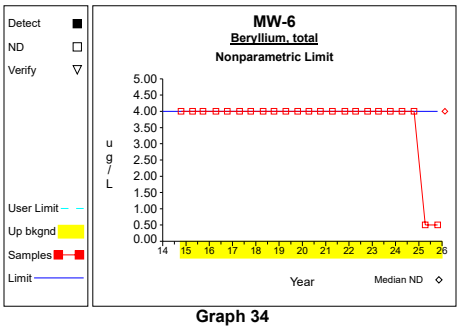

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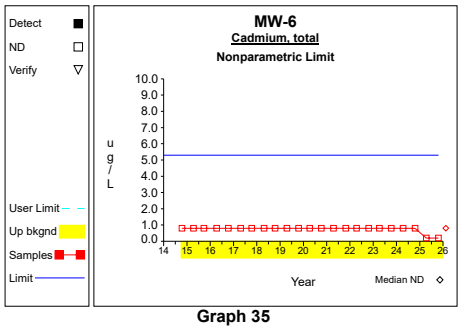

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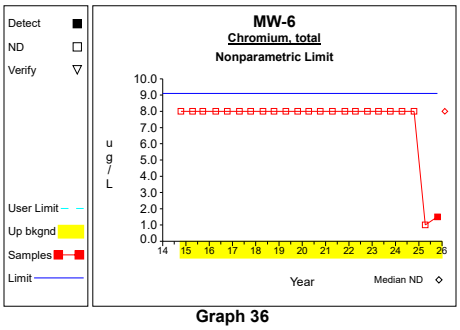

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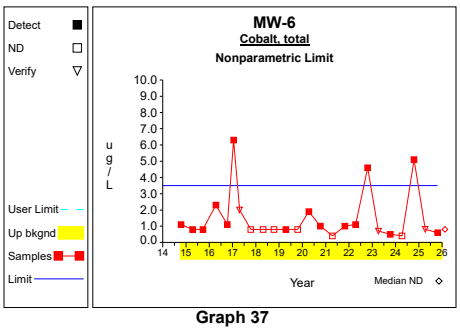

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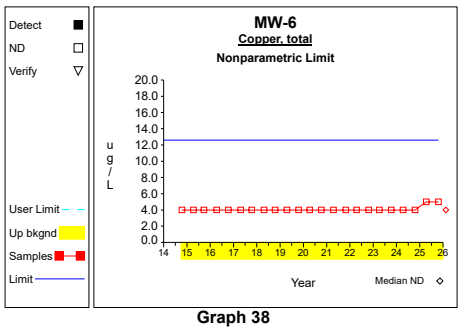

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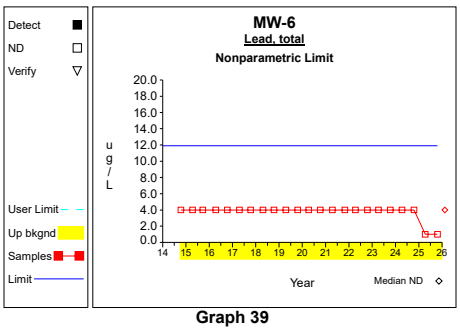

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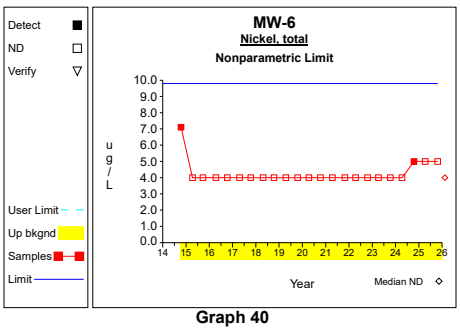

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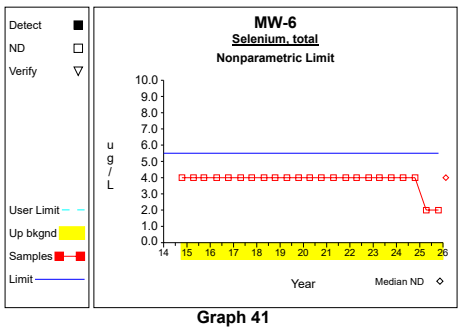

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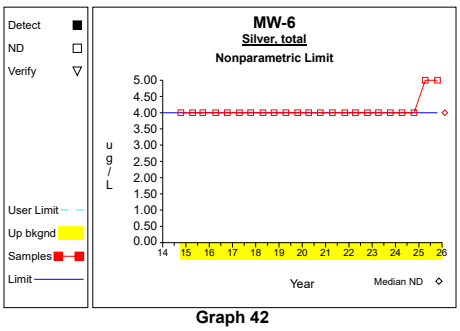

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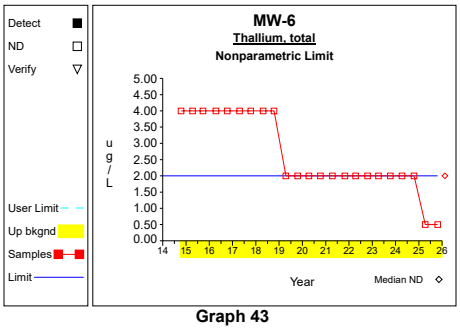

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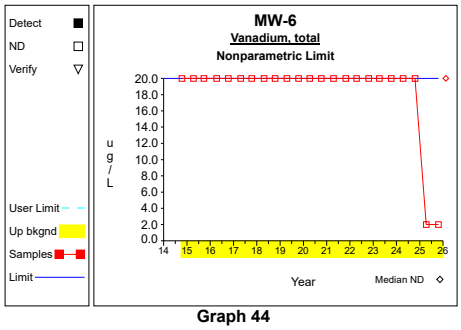

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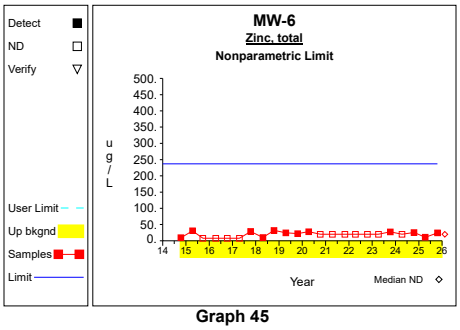
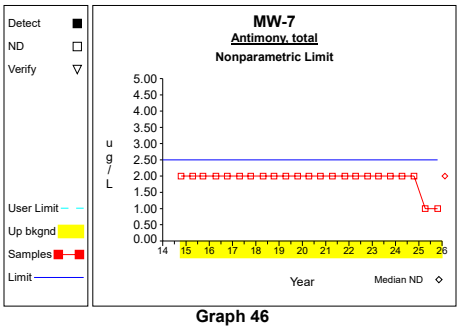


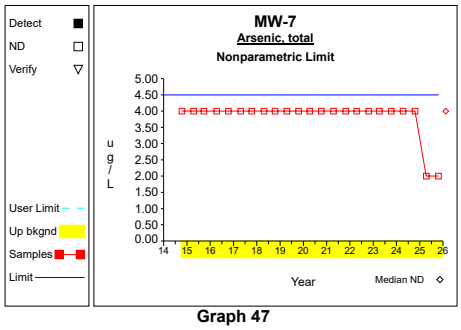
Graph 45

Prepared by: Otter Creek Environmental

Up vs. Down Prediction Limits



Graph 46



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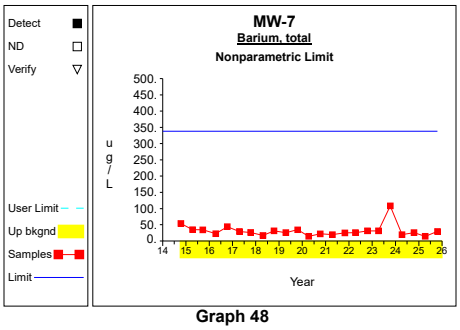

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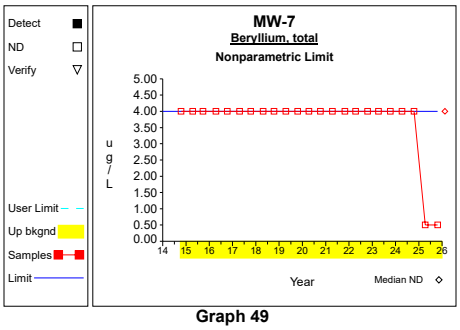

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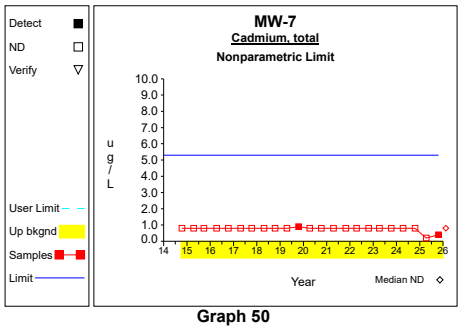

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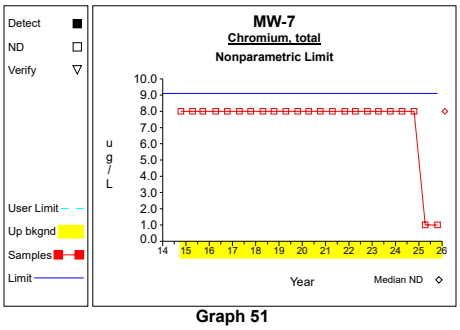

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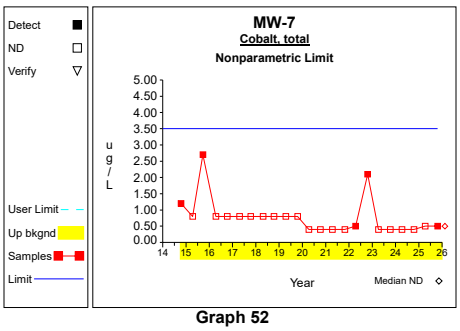

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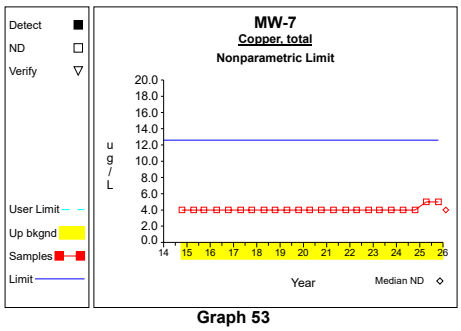

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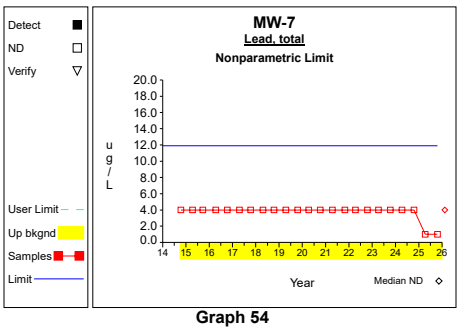

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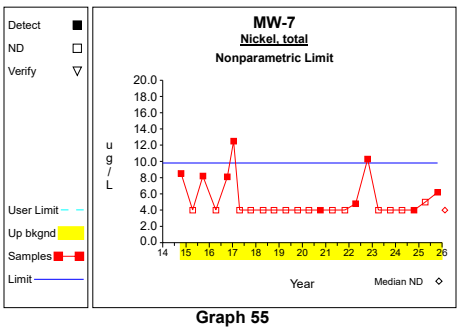

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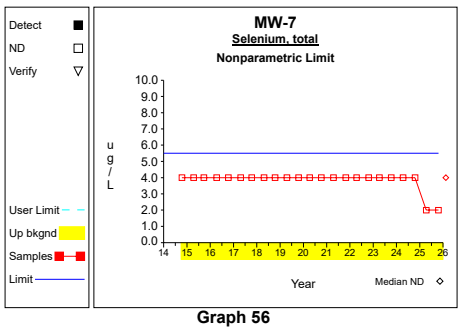

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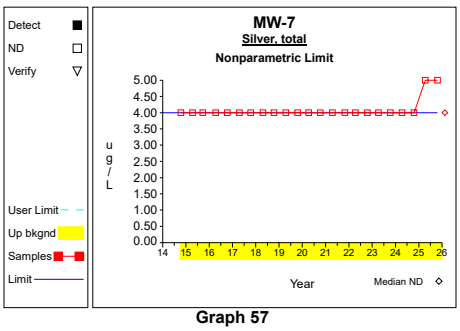

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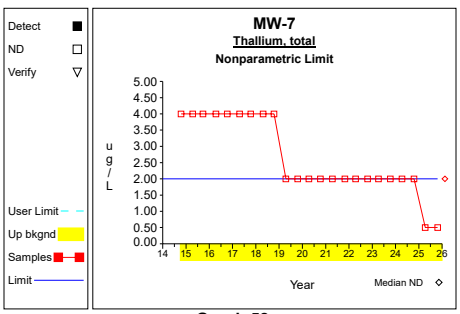

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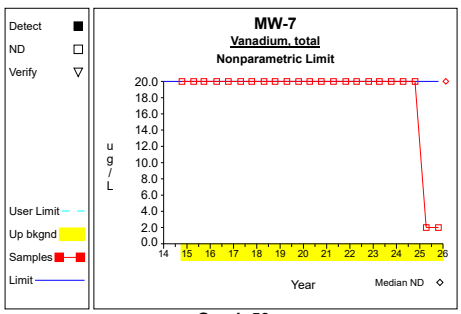

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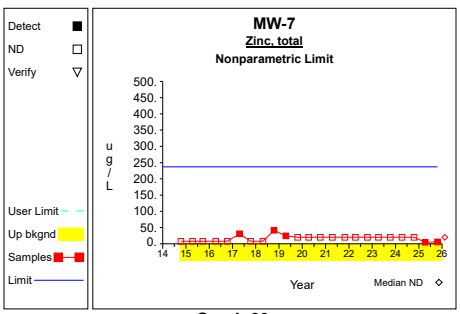
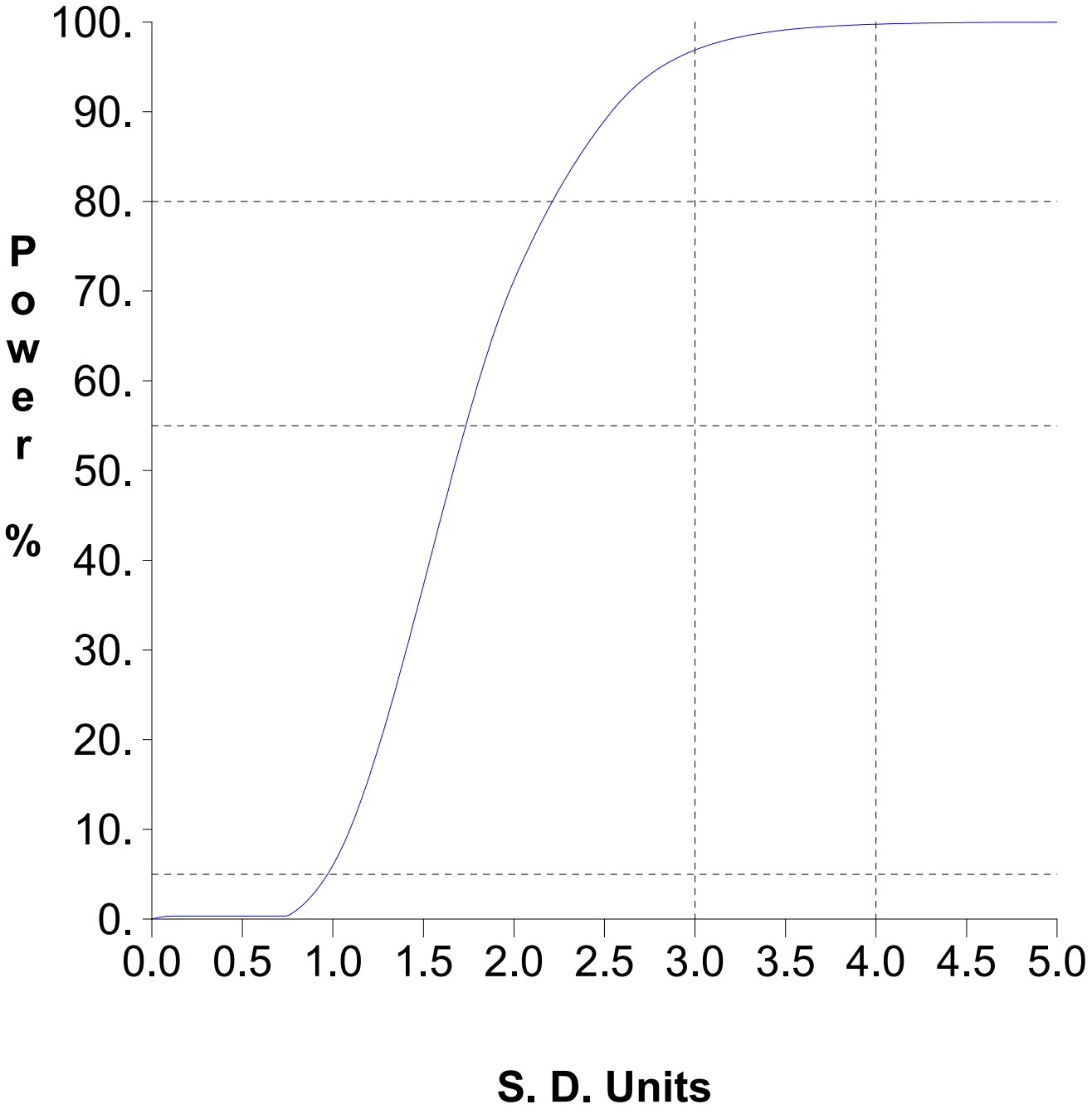


Graph 60

Prepared by: Otter Creek Environmental

False Positive and False Negative Rates for Current

Upgradient vs. Downgradient Monitoring Program



Attachment C

Assessment Statistics

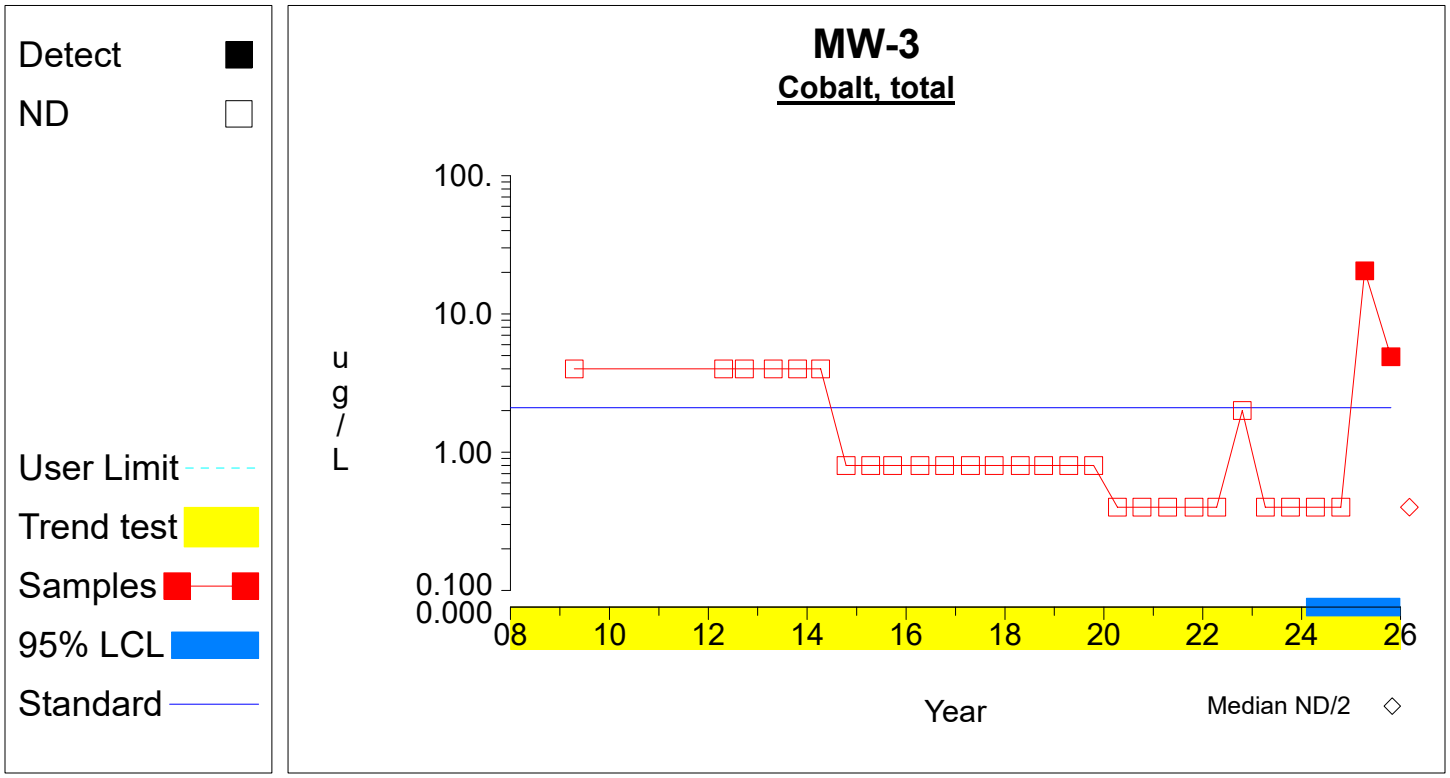
Table 1

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

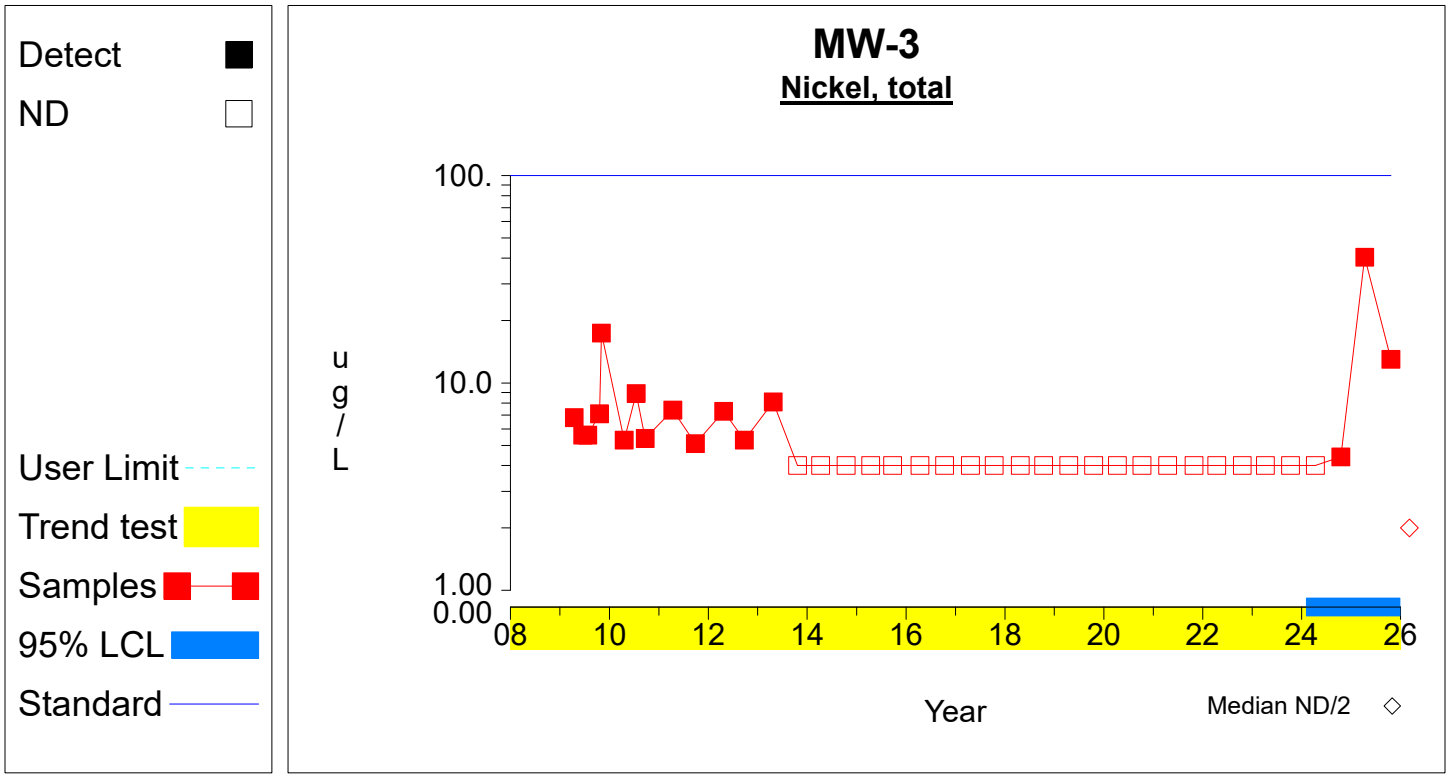
Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Cobalt, total	ug/L	MW-3	4	6.550	9.539	1.176	0.000	17.770	2.100	
Nickel, total	ug/L	MW-3	4	14.950	17.612	1.176	0.000	35.666	100.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Confidence Limits (Assessment)



Graph 1



Graph 2

Attachment D

Historical Organic Compound Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Acetone	MW-14	5/24/2010		44.9	10.0	ug/L
Acetone	MW-14	10/12/2017		11.8	10.0	ug/L
Toluene	MW-14	5/24/2010		3.2	1.0	ug/L
Xylenes, total	MW-14	5/24/2010		4.9	2.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-2	10/12/2017		35	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-2	10/17/2019		25	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-2	10/28/2021		12	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-2	4/13/2022		11	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-3	10/17/2019		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-4	4/23/2018		11	6	ug/L
Acetone	MW-5	10/12/2017		12.2	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-6	4/23/2018		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-6	7/05/2018		8	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-6	10/17/2019		10	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-6	4/06/2023		7	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-7	4/15/2009		10	8	ug/L
Acetone	MW-9	5/24/2010		45.1	10.0	ug/L
Acetone	MW-9	10/12/2017		11.2	10.0	ug/L
Toluene	MW-9	5/24/2010		3.6	1.0	ug/L
Xylenes, total	MW-9	5/24/2010		5.6	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

Appendix C

Laboratory Reports for Reporting Period

With Chain of Custody

Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID1322

Project Description

6028

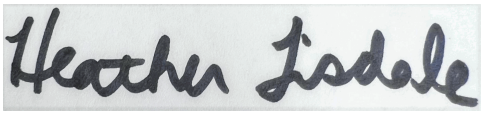
For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248



Heather Tisdale

Customer Relationship Specialist

Friday, June 27, 2025

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

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

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CERTIFICATE OF ANALYSIS

1ID1322

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6028

Project / PO Number: N/A
Received: 04/11/2025
Reported: 06/27/2025

Sample Summary Report

Sample Name	Laboratory ID	Client Matrix	Sample Type	Sample Begin	Sample Taken	Lab Received
MW-9 (up)	1ID1322-01	Aqueous	GRAB		04/10/25 11:04	04/11/25 11:31
MW-14 (up)	1ID1322-02	Aqueous	GRAB		04/10/25 10:55	04/11/25 11:31
MW-4 (up)	1ID1322-03	Aqueous	GRAB		04/10/25 12:24	04/11/25 11:31
MW-5 (up)	1ID1322-04	Aqueous	GRAB		04/10/25 11:50	04/11/25 11:31
MW-11	1ID1322-05	Aqueous	GRAB		04/10/25 09:47	04/11/25 11:31
MW-12	1ID1322-06	Aqueous	GRAB		04/10/25 12:54	04/11/25 11:31
MW-15	1ID1322-07	Aqueous	GRAB		04/10/25 10:25	04/11/25 11:31
MW-16	1ID1322-08	Aqueous	GRAB		04/10/25 10:43	04/11/25 11:31
MW-2	1ID1322-09	Aqueous	GRAB		04/10/25 09:18	04/11/25 11:31
MW-3	1ID1322-10	Aqueous	GRAB		04/10/25 09:00	04/11/25 11:31
MW-6	1ID1322-11	Aqueous	GRAB		04/10/25 12:10	04/11/25 11:31
MW-7	1ID1322-12	Aqueous	GRAB		04/10/25 09:31	04/11/25 11:31
Duplicate	1ID1322-13	Aqueous	GRAB		04/10/25 00:00	04/11/25 11:31

Analytical Testing Parameters

Client Sample ID:	MW-9 (up)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-01	**Collection Date:**	04/10/2025 11:04

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Bromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Chloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Acetone	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Chloroform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Benzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Dibromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Toluene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Xylenes, total	<2.0	2.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Styrene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF

Client Sample ID:	MW-9 (up)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-01	**Collection Date:**	04/10/2025 11:04

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bromoform		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1328	RAF
Surrogate: Dibromofluoromethane	73.7	Limit: 75-136		% Rec	**S1**	04/16/25 0000	04/16/25 1328	RAF
Surrogate: Dibromofluoromethane	73.7	Limit: 57-134		% Rec		04/16/25 0000	04/16/25 1328	RAF
Surrogate: 1,2-Dichloroethane-d4	66.9	Limit: 61-142		% Rec		04/16/25 0000	04/16/25 1328	RAF
Surrogate: 1,2-Dichloroethane-d4	66.9	Limit: 53-140		% Rec		04/16/25 0000	04/16/25 1328	RAF
Surrogate: Toluene-d8	108	Limit: 82-121		% Rec		04/16/25 0000	04/16/25 1328	RAF
Surrogate: Toluene-d8	108	Limit: 86-114		% Rec		04/16/25 0000	04/16/25 1328	RAF
Surrogate: 4-Bromofluorobenzene	83.6	Limit: 80-116		% Rec		04/16/25 0000	04/16/25 1328	RAF
Surrogate: 4-Bromofluorobenzene	83.6	Limit: 78-121		% Rec		04/16/25 0000	04/16/25 1328	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/20/25 2352	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/20/25 2352	RVV
Barium, total	**0.0901**	0.0010	mg/L		06/02/25 1618	06/20/25 2352	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/20/25 2352	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1618	06/20/25 2352	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/20/25 2352	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/20/25 2352	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/20/25 2352	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/20/25 2352	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/20/25 2352	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/20/25 2352	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/20/25 2352	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/20/25 2352	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/20/25 2352	RVV
Zinc, total	**0.0162**	0.0050	mg/L		06/02/25 1618	06/20/25 2352	RVV

Client Sample ID:	MW-14 (up)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-02	**Collection Date:**	04/10/2025 10:55

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Bromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Chloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Acetone	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Chloroform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Benzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Dibromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Toluene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Xylenes, total	<2.0	2.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Styrene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Bromoform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF

Client Sample ID:	MW-14 (up)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-02	**Collection Date:**	04/10/2025 10:55

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1351	RAF
Surrogate: Dibromofluoromethane	79.2	Limit: 57-134	% Rec			04/16/25 0000	04/16/25 1351	RAF
Surrogate: Dibromofluoromethane	79.2	Limit: 75-136	% Rec			04/16/25 0000	04/16/25 1351	RAF
Surrogate: 1,2-Dichloroethane-d4	69.8	Limit: 61-142	% Rec			04/16/25 0000	04/16/25 1351	RAF
Surrogate: 1,2-Dichloroethane-d4	69.8	Limit: 53-140	% Rec			04/16/25 0000	04/16/25 1351	RAF
Surrogate: Toluene-d8	108	Limit: 86-114	% Rec			04/16/25 0000	04/16/25 1351	RAF
Surrogate: Toluene-d8	108	Limit: 82-121	% Rec			04/16/25 0000	04/16/25 1351	RAF
Surrogate: 4-Bromofluorobenzene	88.4	Limit: 78-121	% Rec			04/16/25 0000	04/16/25 1351	RAF
Surrogate: 4-Bromofluorobenzene	88.4	Limit: 80-116	% Rec			04/16/25 0000	04/16/25 1351	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0007	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0007	RVV
Barium, total	**0.113**	0.0010	mg/L		06/02/25 1618	06/21/25 0007	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0007	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1618	06/21/25 0007	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0007	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0007	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0007	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0007	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0007	RVV
Selenium, total	**0.0024**	0.0020	mg/L		06/02/25 1618	06/21/25 0007	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0007	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0007	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0007	RVV
Zinc, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0007	RVV

Client Sample ID:	MW-4 (up)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-03	**Collection Date:**	04/10/2025 12:24

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Bromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Chloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Acetone	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Chloroform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Benzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Dibromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Toluene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Xylenes, total	<2.0	2.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Styrene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Bromoform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF

Client Sample ID:	MW-4 (up)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-03	**Collection Date:**	04/10/2025 12:24

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1413	RAF
Surrogate: Dibromofluoromethane	79.0	Limit: 75-136	% Rec			04/16/25 0000	04/16/25 1413	RAF
Surrogate: Dibromofluoromethane	79.0	Limit: 57-134	% Rec			04/16/25 0000	04/16/25 1413	RAF
Surrogate: 1,2-Dichloroethane-d4	71.5	Limit: 53-140	% Rec			04/16/25 0000	04/16/25 1413	RAF
Surrogate: 1,2-Dichloroethane-d4	71.5	Limit: 61-142	% Rec			04/16/25 0000	04/16/25 1413	RAF
Surrogate: Toluene-d8	108	Limit: 82-121	% Rec			04/16/25 0000	04/16/25 1413	RAF
Surrogate: Toluene-d8	108	Limit: 86-114	% Rec			04/16/25 0000	04/16/25 1413	RAF
Surrogate: 4-Bromofluorobenzene	90.5	Limit: 80-116	% Rec			04/16/25 0000	04/16/25 1413	RAF
Surrogate: 4-Bromofluorobenzene	90.5	Limit: 78-121	% Rec			04/16/25 0000	04/16/25 1413	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0010	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0010	RVV
Barium, total	**0.0553**	0.0010	mg/L		06/02/25 1618	06/21/25 0010	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0010	RVV
Cadmium, total	**0.0008**	0.0002	mg/L		06/02/25 1618	06/21/25 0010	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0010	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0010	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0010	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0010	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0010	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0010	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0010	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0010	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0010	RVV
Zinc, total	**0.0197**	0.0050	mg/L		06/02/25 1618	06/21/25 0010	RVV

Client Sample ID:	MW-5 (up)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-04	**Collection Date:**	04/10/2025 11:50

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Bromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Chloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Acetone	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Chloroform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Benzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Dibromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Toluene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Xylenes, total	<2.0	2.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Styrene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Bromoform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF

Client Sample ID:	MW-5 (up)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-04	**Collection Date:**	04/10/2025 11:50

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1435	RAF
Surrogate: Dibromofluoromethane	80.5	Limit: 57-134		% Rec		04/16/25 0000	04/16/25 1435	RAF
Surrogate: Dibromofluoromethane	80.5	Limit: 75-136		% Rec		04/16/25 0000	04/16/25 1435	RAF
Surrogate: 1,2-Dichloroethane-d4	75.8	Limit: 61-142		% Rec		04/16/25 0000	04/16/25 1435	RAF
Surrogate: 1,2-Dichloroethane-d4	75.8	Limit: 53-140		% Rec		04/16/25 0000	04/16/25 1435	RAF
Surrogate: Toluene-d8	107	Limit: 86-114		% Rec		04/16/25 0000	04/16/25 1435	RAF
Surrogate: Toluene-d8	107	Limit: 82-121		% Rec		04/16/25 0000	04/16/25 1435	RAF
Surrogate: 4-Bromofluorobenzene	91.0	Limit: 78-121		% Rec		04/16/25 0000	04/16/25 1435	RAF
Surrogate: 4-Bromofluorobenzene	91.0	Limit: 80-116		% Rec		04/16/25 0000	04/16/25 1435	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0012	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0012	RVV
Barium, total	**0.0711**	0.0010	mg/L		06/02/25 1618	06/21/25 0012	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0012	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1618	06/21/25 0012	RVV
Chromium, total	**0.0010**	0.0010	mg/L		06/02/25 1618	06/21/25 0012	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0012	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0012	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0012	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0012	RVV
Selenium, total	**0.0021**	0.0020	mg/L		06/02/25 1618	06/21/25 0012	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0012	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0012	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0012	RVV
Zinc, total	**0.0116**	0.0050	mg/L		06/02/25 1618	06/21/25 0012	RVV

Client Sample ID:	MW-11		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-05	**Collection Date:**	04/10/2025 9:47

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Bromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Chloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Acetone	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Chloroform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Benzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Dibromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Toluene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Xylenes, total	<2.0	2.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Styrene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Bromoform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF

Client Sample ID:	MW-11		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-05	**Collection Date:**	04/10/2025 9:47

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1458	RAF
Surrogate: Dibromofluoromethane	82.6	Limit: 75-136		% Rec		04/16/25 0000	04/16/25 1458	RAF
Surrogate: Dibromofluoromethane	82.6	Limit: 57-134		% Rec		04/16/25 0000	04/16/25 1458	RAF
Surrogate: 1,2-Dichloroethane-d4	74.2	Limit: 61-142		% Rec		04/16/25 0000	04/16/25 1458	RAF
Surrogate: 1,2-Dichloroethane-d4	74.2	Limit: 53-140		% Rec		04/16/25 0000	04/16/25 1458	RAF
Surrogate: Toluene-d8	106	Limit: 82-121		% Rec		04/16/25 0000	04/16/25 1458	RAF
Surrogate: Toluene-d8	106	Limit: 86-114		% Rec		04/16/25 0000	04/16/25 1458	RAF
Surrogate: 4-Bromofluorobenzene	90.9	Limit: 80-116		% Rec		04/16/25 0000	04/16/25 1458	RAF
Surrogate: 4-Bromofluorobenzene	90.9	Limit: 78-121		% Rec		04/16/25 0000	04/16/25 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		06/02/25 1618	06/21/25 0015	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0015	RVV
Barium, total	**0.0135**	0.0010	mg/L		06/02/25 1618	06/21/25 0015	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0015	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1618	06/21/25 0015	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0015	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0015	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0015	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0015	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0015	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0015	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0015	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0015	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0015	RVV
Zinc, total	**0.0079**	0.0050	mg/L		06/02/25 1618	06/21/25 0015	RVV

Client Sample ID:	MW-12		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-06	**Collection Date:**	04/10/2025 12:54

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Dichlorodifluoromethane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Chloromethane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Bromomethane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Chloroethane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Acrolein	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1520	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Acetone	<10.0	10.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Methyl Iodide	<2.0	2.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Acetonitrile	<10.0	10.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1520	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
2,2-Dichloropropane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
2-Butanone (MEK)	<5.0	5.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Chloroform	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
1,1-Dichloropropene	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Benzene	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Dibromomethane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Toluene	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Ethyl Methacrylate	<10.0	10.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
1,3-Dichloropropane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/24/25 0000	04/24/25 2041	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF

Client Sample ID:	MW-12		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-06	**Collection Date:**	04/10/2025 12:54

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Chlorobenzene		<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
1,1,1,2-Tetrachloroethane		<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Ethylbenzene		<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Xylenes, total		<2.0	2.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Styrene		<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Bromoform		<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/24/25 0000	04/24/25 2041	RAF
1,3-Dichlorobenzene		<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
1,2-Dibromo-3-chloropropane		<1.0	1.0	ug/L		04/24/25 0000	04/24/25 2041	RAF
1,2,4-Trichlorobenzene		<1.0	1.0	ug/L		04/22/25 0000	04/22/25 2108	RAF
Allyl chloride		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1553	RAF
Chloroprene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1553	RAF
Methacrylonitrile		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1553	RAF
Methyl Methacrylate		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1553	RAF
Propionitrile		<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1553	RAF
Surrogate: Dibromofluoromethane	109	Limit: 57-134		% Rec		04/22/25 0000	04/22/25 2108	RAF
Surrogate: Dibromofluoromethane	96.3	Limit: 57-134		% Rec		04/16/25 0000	04/16/25 1553	RAF
Surrogate: 1,2-Dichloroethane-d4	95.4	Limit: 53-140		% Rec		04/22/25 0000	04/22/25 2108	RAF
Surrogate: 1,2-Dichloroethane-d4	96.4	Limit: 53-140		% Rec		04/16/25 0000	04/16/25 1553	RAF
Surrogate: 1,2-Dichloroethane-d4	76.8	Limit: 53-140		% Rec		04/16/25 0000	04/16/25 1520	RAF
Surrogate: Toluene-d8	98.6	Limit: 86-114		% Rec		04/16/25 0000	04/16/25 1553	RAF
Surrogate: Toluene-d8	100	Limit: 86-114		% Rec		04/22/25 0000	04/22/25 2108	RAF
Surrogate: Toluene-d8	108	Limit: 86-114		% Rec		04/16/25 0000	04/16/25 1520	RAF
Surrogate: 4-Bromofluorobenzene	96.4	Limit: 78-121		% Rec		04/22/25 0000	04/22/25 2108	RAF
Surrogate: 4-Bromofluorobenzene	98.7	Limit: 78-121		% Rec		04/16/25 0000	04/16/25 1553	RAF
Surrogate: 4-Bromofluorobenzene	86.6	Limit: 78-121		% Rec		04/16/25 0000	04/16/25 1520	RAF

Determination of General Solvents	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 8015C							
Isobutanol	<1.0	1.0	mg/L		04/11/25 1416	04/15/25 0640	PDS

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3520C/EPA 8270C							
N-Nitrosodimethylamine	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Methyl Methanesulfonate	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
N-Nitrosodiethylamine	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
N-Nitrosomethylethylamine	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Ethyl Methanesulfonate	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Phenol	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP

Client Sample ID:	MW-12		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-06	**Collection Date:**	04/10/2025 12:54

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bis(2-Chloroethyl) Ether	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
2-Chlorophenol	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Benzyl Alcohol	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
N-Nitrosopyrrolidine	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Acetophenone	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
o-Toluidine	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
(3 & 4)-Methylphenol	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Hexachloroethane	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Nitrobenzene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
N-Nitrosopiperidine	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Isophorone	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
2-Nitrophenol	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
2,4-Dimethylphenol	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
2,4-Dichlorophenol	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Naphthalene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
4-Chloroaniline	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
2,6-Dichlorophenol	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Hexachloropropene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Hexachlorobutadiene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
1,4-Phenylenediamine	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
4-Chloro-3-methylphenol	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
2-Methylnaphthalene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Isosafrole	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Hexachlorocyclopentadiene	<8	8	ug/L	Q8	04/15/25 1438	04/18/25 1536	EPP
2,4,6-Trichlorophenol	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
2,4,5-Trichlorophenol	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Safrole	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
2-Chloronaphthalene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
2-Nitroaniline	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
1,4-Naphthoquinone	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Dimethylphthalate	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
1,3-Dinitrobenzene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
1,2-Dinitrobenzene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
2,6-Dinitrotoluene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Acenaphthylene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
3-Nitroaniline	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Acenaphthene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP

Client Sample ID:	MW-12		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-06	**Collection Date:**	04/10/2025 12:54

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	<8	8	ug/L	**Q8**	04/15/25 1438	04/18/25 1536	EPP
4-Nitrophenol	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Dibenzofuran	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
2,4-Dinitrotoluene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Pentachlorobenzene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
1-Naphthylamine	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
2-Naphthylamine	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Diethyl Phthalate	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Fluorene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
4-Nitroaniline	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
5-Nitro-o-toluidine	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
N-Nitrosodiphenylamine	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Diphenylamine	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Azobenzene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Diallate	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Phenacetin	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
4-Aminobiphenyl	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Pentachlorophenol	<8	8	ug/L	**Q8**	04/15/25 1438	04/18/25 1536	EPP
Pronamide	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Phenanthrene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Anthracene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Di-n-butyl Phthalate	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Methapyrilene	<8	8	ug/L	**Q8**	04/15/25 1438	04/18/25 1536	EPP
Fluoranthene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Isodrin	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Chlorobenzilate	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Pyrene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
3,3-Dimethylbenzidine	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Butyl Benzyl Phthalate	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Benzo(a)anthracene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Chrysene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L		04/15/25 1438	04/18/25 1536	EPP
Kepone	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
3,3´-Dichlorobenzidine	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
2-Acetylaminofluorene	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Di-n-octyl Phthalate	<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP

Client Sample ID:	MW-12		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-06	**Collection Date:**	04/10/2025 12:54

Determination of Base/Neutral/Acid Extractable Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Benzo(b)Fluoranthene		<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
7,12-Dimethylbenz [a] anthracene		<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Benzo(k)Fluoranthene		<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Benzo(a)Pyrene		<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
3-Methylcholanthrene		<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Dibenzo(a,h)anthracene		<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Indeno(1,2,3-cd)Pyrene		<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Benzo(g,h,i)perylene		<8	8	ug/L		04/15/25 1438	04/18/25 1536	EPP
Surrogate: 2-Fluorophenol	64.0	Limit: 10-159	% Rec			04/15/25 1438	04/18/25 1536	EPP
Surrogate: Phenol-d6	66.1	Limit: 10-162	% Rec			04/15/25 1438	04/18/25 1536	EPP
Surrogate: Nitrobenzene-d5	75.1	Limit: 17-154	% Rec			04/15/25 1438	04/18/25 1536	EPP
Surrogate: 2-Fluorobiphenyl	78.0	Limit: 15-150	% Rec			04/15/25 1438	04/18/25 1536	EPP
Surrogate: 2,4,6-Tribromophenol	106	Limit: 10-156	% Rec			04/15/25 1438	04/18/25 1536	EPP
Surrogate: Terphenyl-dl4	78.4	Limit: 10-179	% Rec			04/15/25 1438	04/18/25 1536	EPP

Determination of Organophosphorus Insecticides		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8141								
O,O,O-Triethyl phosphorothioate		<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1413	EPP
Thionazin		<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1413	EPP
Phorate		<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1413	EPP
Dimethoate		<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1413	EPP
Disulfoton		<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1413	EPP
Methyl Parathion		<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1413	EPP
Parathion		<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1413	EPP
Famphur		<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1413	EPP
Surrogate: 2-Nitro-m-xylene	59.7	Limit: 32-110	% Rec			04/17/25 1443	04/21/25 1413	EPP

Determination of Chlorinated Phenoxy Herbicides		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 8151A								
2,4-D		<2.0	2.0	ug/L		04/16/25 1605	04/17/25 1931	EPP
2,4,5-TP (Silvex)		<0.5	0.5	ug/L		04/16/25 1605	04/17/25 1931	EPP
2,4,5-T		<0.5	0.5	ug/L		04/16/25 1605	04/17/25 1931	EPP
Dinoseb		<0.5	0.5	ug/L		04/16/25 1605	04/17/25 1931	EPP
Surrogate: 2,5-Dichlorobenzoic Acid	55.6	Limit: 49-174	% Rec			04/16/25 1605	04/17/25 1931	EPP

Determination of Organochlorine Insecticides & Metabolites		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8081								
Alpha-BHC		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
Gamma-BHC [Lindane]		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
Beta-BHC		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
Heptachlor		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP

Client Sample ID:	MW-12		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-06	**Collection Date:**	04/10/2025 12:54

Determination of Organochlorine Insecticides & Metabolites		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Delta-BHC		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
Aldrin		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
Heptachlor Epoxide		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
Endosulfan I		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
4,4`-DDE		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
Dieldrin		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
Endrin		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
4,4`-DDD		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
Endosulfan II		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
4,4`-DDT		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
Endrin Aldehyde		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
Endosulfan Sulfate		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
Methoxychlor		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
Chlordane		<0.10	0.10	ug/L		04/17/25 1441	04/21/25 1429	EPP
Toxaphene		<0.20	0.20	ug/L		04/17/25 1441	04/21/25 1429	EPP
Hexachlorobenzene		<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1429	EPP
Surrogate: Tetrachloro-m-xylene	70.9	Limit: 45-111		% Rec		04/17/25 1441	04/21/25 1429	EPP

Determination of Polychlorinated Biphenyls (PCB)		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8082								
Arochlor 1016		<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1429	EPP
Arochlor 1221		<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1429	EPP
Arochlor 1232		<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1429	EPP
Arochlor 1242		<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1429	EPP
Arochlor 1248		<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1429	EPP
Arochlor 1254		<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1429	EPP
Arochlor 1260		<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1429	EPP
Surrogate: Tetrachloro-m-xylene	80.1	Limit: 50-116		% Rec		04/17/25 1437	04/21/25 1429	EPP
Surrogate: Decachlorobiphenyl	31.9	Limit: 38-122		% Rec	**S2**	04/17/25 1437	04/21/25 1429	EPP

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 376.2							
Sulfide, total	<0.10	0.10	mg/L		04/17/25 1524	04/17/25 1658	AKK
EPA 9014							
Cyanide, total	<0.010	0.010	mg/L		04/10/25 1558	04/17/25 1501	CES

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0017	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0017	RVV
Barium, total	**0.136**	0.0010	mg/L		06/02/25 1618	06/21/25 0017	RVV

Client Sample ID:	MW-12		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-06	**Collection Date:**	04/10/2025 12:54

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0017	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1618	06/21/25 0017	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0017	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0017	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0017	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0017	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0017	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0017	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0017	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0017	RVV
Tin, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0017	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0017	RVV
Zinc, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0017	RVV
EPA 7470A							
Mercury, total	<0.00050	0.00050	mg/L		04/22/25 0640	04/22/25 1412	RVV

Client Sample ID:	MW-15		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-07	**Collection Date:**	04/10/2025 10:25

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Bromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Chloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Acetone	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Chloroform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Benzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Dibromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Toluene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Xylenes, total	<2.0	2.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Styrene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Bromoform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF

Client Sample ID:	MW-15		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-07	**Collection Date:**	04/10/2025 10:25

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1542	RAF
Surrogate: Dibromofluoromethane	79.9	Limit: 57-134	% Rec			04/16/25 0000	04/16/25 1542	RAF
Surrogate: Dibromofluoromethane	79.9	Limit: 75-136	% Rec			04/16/25 0000	04/16/25 1542	RAF
Surrogate: 1,2-Dichloroethane-d4	73.9	Limit: 53-140	% Rec			04/16/25 0000	04/16/25 1542	RAF
Surrogate: 1,2-Dichloroethane-d4	73.9	Limit: 61-142	% Rec			04/16/25 0000	04/16/25 1542	RAF
Surrogate: Toluene-d8	108	Limit: 82-121	% Rec			04/16/25 0000	04/16/25 1542	RAF
Surrogate: Toluene-d8	108	Limit: 86-114	% Rec			04/16/25 0000	04/16/25 1542	RAF
Surrogate: 4-Bromofluorobenzene	90.6	Limit: 78-121	% Rec			04/16/25 0000	04/16/25 1542	RAF
Surrogate: 4-Bromofluorobenzene	90.6	Limit: 80-116	% Rec			04/16/25 0000	04/16/25 1542	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0020	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0020	RVV
Barium, total	**0.0181**	0.0010	mg/L		06/02/25 1618	06/21/25 0020	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0020	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1618	06/21/25 0020	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0020	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0020	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0020	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0020	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0020	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0020	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0020	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0020	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0020	RVV
Zinc, total	**0.0069**	0.0050	mg/L		06/02/25 1618	06/21/25 0020	RVV

Client Sample ID:	MW-16		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-08	**Collection Date:**	04/10/2025 10:43

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Bromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Chloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Acetone	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Chloroform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Benzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Dibromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Toluene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Xylenes, total	<2.0	2.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Styrene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Bromoform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF

Client Sample ID:	MW-16		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-08	**Collection Date:**	04/10/2025 10:43

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1605	RAF
Surrogate: Dibromofluoromethane	74.8	Limit: 75-136	% Rec		**S1**	04/16/25 0000	04/16/25 1605	RAF
Surrogate: Dibromofluoromethane	74.8	Limit: 57-134	% Rec			04/16/25 0000	04/16/25 1605	RAF
Surrogate: 1,2-Dichloroethane-d4	68.3	Limit: 61-142	% Rec			04/16/25 0000	04/16/25 1605	RAF
Surrogate: 1,2-Dichloroethane-d4	68.3	Limit: 53-140	% Rec			04/16/25 0000	04/16/25 1605	RAF
Surrogate: Toluene-d8	109	Limit: 82-121	% Rec			04/16/25 0000	04/16/25 1605	RAF
Surrogate: Toluene-d8	109	Limit: 86-114	% Rec			04/16/25 0000	04/16/25 1605	RAF
Surrogate: 4-Bromofluorobenzene	89.7	Limit: 80-116	% Rec			04/16/25 0000	04/16/25 1605	RAF
Surrogate: 4-Bromofluorobenzene	89.7	Limit: 78-121	% Rec			04/16/25 0000	04/16/25 1605	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0022	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0022	RVV
Barium, total	**0.0355**	0.0010	mg/L		06/02/25 1618	06/21/25 0022	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0022	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1618	06/21/25 0022	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0022	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0022	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0022	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0022	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0022	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0022	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0022	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0022	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0022	RVV
Zinc, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0022	RVV

Client Sample ID:	MW-2		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-09	**Collection Date:**	04/10/2025 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		04/16/25 0000	04/16/25 1627	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Bromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Chloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Acetone	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Chloroform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Benzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Dibromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Toluene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Xylenes, total	<2.0	2.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Styrene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Bromoform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF

Client Sample ID:	MW-2		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-09	**Collection Date:**	04/10/2025 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		04/16/25 0000	04/16/25 1627	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1627	RAF
Surrogate: Dibromofluoromethane	80.4	Limit: 75-136		% Rec		04/16/25 0000	04/16/25 1627	RAF
Surrogate: Dibromofluoromethane	80.4	Limit: 57-134		% Rec		04/16/25 0000	04/16/25 1627	RAF
Surrogate: 1,2-Dichloroethane-d4	70.4	Limit: 61-142		% Rec		04/16/25 0000	04/16/25 1627	RAF
Surrogate: 1,2-Dichloroethane-d4	70.4	Limit: 53-140		% Rec		04/16/25 0000	04/16/25 1627	RAF
Surrogate: Toluene-d8	106	Limit: 86-114		% Rec		04/16/25 0000	04/16/25 1627	RAF
Surrogate: Toluene-d8	106	Limit: 82-121		% Rec		04/16/25 0000	04/16/25 1627	RAF
Surrogate: 4-Bromofluorobenzene	88.7	Limit: 80-116		% Rec		04/16/25 0000	04/16/25 1627	RAF
Surrogate: 4-Bromofluorobenzene	88.7	Limit: 78-121		% Rec		04/16/25 0000	04/16/25 1627	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0025	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0025	RVV
Barium, total	**0.0245**	0.0010	mg/L		06/02/25 1618	06/21/25 0025	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0025	RVV
Cadmium, total	**0.0003**	0.0002	mg/L		06/02/25 1618	06/21/25 0025	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0025	RVV
Cobalt, total	**0.0009**	0.0005	mg/L		06/02/25 1618	06/21/25 0025	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0025	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0025	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0025	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0025	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0025	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0025	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0025	RVV
Zinc, total	**0.0086**	0.0050	mg/L		06/02/25 1618	06/21/25 0025	RVV

Client Sample ID:	MW-3		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-10	**Collection Date:**	04/10/2025 9:00

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Bromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Chloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Acetone	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Chloroform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Benzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Dibromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Toluene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Xylenes, total	<2.0	2.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Styrene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Bromoform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF

Client Sample ID:	MW-3		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-10	**Collection Date:**	04/10/2025 9:00

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1650	RAF
Surrogate: Dibromofluoromethane	91.3	Limit: 57-134	% Rec			04/16/25 0000	04/16/25 1650	RAF
Surrogate: Dibromofluoromethane	91.3	Limit: 75-136	% Rec			04/16/25 0000	04/16/25 1650	RAF
Surrogate: 1,2-Dichloroethane-d4	82.9	Limit: 61-142	% Rec			04/16/25 0000	04/16/25 1650	RAF
Surrogate: 1,2-Dichloroethane-d4	82.9	Limit: 53-140	% Rec			04/16/25 0000	04/16/25 1650	RAF
Surrogate: Toluene-d8	102	Limit: 86-114	% Rec			04/16/25 0000	04/16/25 1650	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec			04/16/25 0000	04/16/25 1650	RAF
Surrogate: 4-Bromofluorobenzene	88.1	Limit: 80-116	% Rec			04/16/25 0000	04/16/25 1650	RAF
Surrogate: 4-Bromofluorobenzene	88.1	Limit: 78-121	% Rec			04/16/25 0000	04/16/25 1650	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0033	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0033	RVV
Barium, total	**0.242**	0.0010	mg/L		06/02/25 1618	06/21/25 0033	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0033	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1618	06/21/25 0033	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0033	RVV
Cobalt, total	**0.0205**	0.0005	mg/L		06/02/25 1618	06/21/25 0033	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0033	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0033	RVV
Nickel, total	**0.0404**	0.0050	mg/L		06/02/25 1618	06/21/25 0033	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0033	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0033	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0033	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0033	RVV
Zinc, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0033	RVV

Client Sample ID:	MW-6		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-11	**Collection Date:**	04/10/2025 12:10

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Bromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Chloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Acetone	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Chloroform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Benzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Dibromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Toluene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Xylenes, total	<2.0	2.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Styrene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Bromoform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF

Client Sample ID:	MW-6		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-11	**Collection Date:**	04/10/2025 12:10

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1712	RAF
Surrogate: Dibromofluoromethane	96.1	Limit: 75-136	% Rec			04/16/25 0000	04/16/25 1712	RAF
Surrogate: Dibromofluoromethane	96.1	Limit: 57-134	% Rec			04/16/25 0000	04/16/25 1712	RAF
Surrogate: 1,2-Dichloroethane-d4	89.8	Limit: 53-140	% Rec			04/16/25 0000	04/16/25 1712	RAF
Surrogate: 1,2-Dichloroethane-d4	89.8	Limit: 61-142	% Rec			04/16/25 0000	04/16/25 1712	RAF
Surrogate: Toluene-d8	100	Limit: 86-114	% Rec			04/16/25 0000	04/16/25 1712	RAF
Surrogate: Toluene-d8	100	Limit: 82-121	% Rec			04/16/25 0000	04/16/25 1712	RAF
Surrogate: 4-Bromofluorobenzene	86.2	Limit: 78-121	% Rec			04/16/25 0000	04/16/25 1712	RAF
Surrogate: 4-Bromofluorobenzene	86.2	Limit: 80-116	% Rec			04/16/25 0000	04/16/25 1712	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0035	RVV
Arsenic, total	**0.0049**	0.0020	mg/L		06/02/25 1618	06/21/25 0035	RVV
Barium, total	**0.0319**	0.0010	mg/L		06/02/25 1618	06/21/25 0035	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0035	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1618	06/21/25 0035	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0035	RVV
Cobalt, total	**0.0008**	0.0005	mg/L		06/02/25 1618	06/21/25 0035	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0035	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0035	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0035	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0035	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0035	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0035	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0035	RVV
Zinc, total	**0.0112**	0.0050	mg/L		06/02/25 1618	06/21/25 0035	RVV

Client Sample ID:	MW-7		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-12	**Collection Date:**	04/10/2025 9:31

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Bromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Chloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Acetone	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Chloroform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Benzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Dibromomethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Toluene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Xylenes, total	<2.0	2.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Styrene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Bromoform	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF

Client Sample ID:	MW-7		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-12	**Collection Date:**	04/10/2025 9:31

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/16/25 0000	04/16/25 1735	RAF
Surrogate: Dibromofluoromethane	78.2	Limit: 57-134		% Rec		04/16/25 0000	04/16/25 1735	RAF
Surrogate: Dibromofluoromethane	78.2	Limit: 75-136		% Rec		04/16/25 0000	04/16/25 1735	RAF
Surrogate: 1,2-Dichloroethane-d4	68.8	Limit: 53-140		% Rec		04/16/25 0000	04/16/25 1735	RAF
Surrogate: 1,2-Dichloroethane-d4	68.8	Limit: 61-142		% Rec		04/16/25 0000	04/16/25 1735	RAF
Surrogate: Toluene-d8	107	Limit: 86-114		% Rec		04/16/25 0000	04/16/25 1735	RAF
Surrogate: Toluene-d8	107	Limit: 82-121		% Rec		04/16/25 0000	04/16/25 1735	RAF
Surrogate: 4-Bromofluorobenzene	89.0	Limit: 78-121		% Rec		04/16/25 0000	04/16/25 1735	RAF
Surrogate: 4-Bromofluorobenzene	89.0	Limit: 80-116		% Rec		04/16/25 0000	04/16/25 1735	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0038	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0038	RVV
Barium, total	**0.0145**	0.0010	mg/L		06/02/25 1618	06/21/25 0038	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0038	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1618	06/21/25 0038	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0038	RVV
Cobalt, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0038	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0038	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0038	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0038	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0038	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0038	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0038	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0038	RVV
Zinc, total	**0.0051**	0.0050	mg/L		06/02/25 1618	06/21/25 0038	RVV

Client Sample ID:	Duplicate		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1ID1322-13	**Collection Date:**	04/10/2025

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0040	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0040	RVV
Barium, total	**0.241**	0.0010	mg/L		06/02/25 1618	06/21/25 0040	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0040	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1618	06/21/25 0040	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0040	RVV
Cobalt, total	**0.0203**	0.0005	mg/L		06/02/25 1618	06/21/25 0040	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0040	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1618	06/21/25 0040	RVV
Nickel, total	**0.0404**	0.0050	mg/L		06/02/25 1618	06/21/25 0040	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0040	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0040	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1618	06/21/25 0040	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1618	06/21/25 0040	RVV
Zinc, total	<0.0050	0.0050	mg/L		06/02/25 1618	06/21/25 0040	RVV

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 8015C	1ID0448	1ID0448-BS1	
		1ID0448-BLK1	
		1ID1322-06	MW-12
		1ID0448-MS1	1ID0938-05
		1ID0448-MSD1	1ID0938-05

Method	Batch	Laboratory ID	Client / Source ID
EPA 9014	1ID0572	1ID0572-BLK1	
		1ID0572-BS1	
		1ID0572-MS1	1ID0938-05
		1ID0572-MSD1	1ID0938-05
		1ID1322-06	MW-12

Method	Batch	Laboratory ID	Client / Source ID
EPA 8270C	1ID0709	1ID0709-BLK1	
		1ID0709-BS1	
		1ID0709-BSD1	
		1ID1322-06	MW-12

Method	Batch	Laboratory ID	Client / Source ID
EPA 8151A	1ID0894	1ID0894-BLK1	
		1ID1322-06	MW-12
		1ID0894-BS1	
		1ID0894-BSD1	

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1ID0920	1ID0920-BS1	
		1ID0920-BSD1	
		1ID0920-BLK1	
		1ID1322-01	MW-9 (up)
		1ID1322-02	MW-14 (up)
		1ID1322-03	MW-4 (up)
		1ID1322-04	MW-5 (up)
		1ID1322-05	MW-11
		1ID1322-06	MW-12
		1ID1322-07	MW-15
		1ID1322-08	MW-16
		1ID1322-09	MW-2
		1ID1322-10	MW-3
		1ID1322-11	MW-6
		1ID1322-12	MW-7

EPA 8260D	1ID0920	1ID0920-MS1	1ID1322-01
		1ID0920-MSD1	1ID1322-01

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1ID0921	1ID0921-BS1	
		1ID0921-BSD1	
		1ID0921-BLK1	
		1ID1322-06	MW-12
		1ID0921-MS1	1ID0938-06
		1ID0921-MSD1	1ID0938-06

Method	Batch	Laboratory ID	Client / Source ID
EPA 8082	1ID0953	1ID0953-BLK1	
		1ID1322-06	MW-12
		1ID0953-BS1	
		1ID0953-BSD1	
		1ID0953-SRM1	

Method	Batch	Laboratory ID	Client / Source ID
EPA 8081	1ID0954	1ID0954-BLK1	
		1ID1322-06	MW-12
		1ID0954-BS1	
		1ID0954-BSD1	
		1ID0954-SRM1	

Method	Batch	Laboratory ID	Client / Source ID
EPA 8141	1ID0955	1ID0955-BLK1	
		1ID1322-06	MW-12
		1ID0955-BS1	
		1ID0955-SRM1	
		1ID0955-BSD1	

Method	Batch	Laboratory ID	Client / Source ID
EPA 376.2	1ID0962	1ID1322-06	MW-12
		1ID0962-MSD1	1ID1322-06
		1ID0962-MS1	1ID1322-06
		1ID0962-BS1	
		1ID0962-BLK1	

Method	Batch	Laboratory ID	Client / Source ID
EPA 7470A	1ID1124	1ID1124-BLK1	
		1ID1124-BS1	
		1ID1124-MS1	1ID1193-01
		1ID1124-MSD1	1ID1193-01
		1ID1322-06	MW-12

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1ID1221	1ID1221-BS1	
		1ID1221-BLK1	
		1ID1322-06	MW-12
		1ID1221-MS1	1ID1698-05
		1ID1221-MSD1	1ID1698-05

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1ID1376	1ID1376-BS1	
		1ID1376-BSD1	
		1ID1376-BLK1	
		1ID1322-06RE1	MW-12
		1ID1376-MS1	1ID1322-06RE1
		1ID1376-MSD1	1ID1322-06RE1

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IF0075	1IF0075-BLK1	
		1IF0075-BS1	
		1ID1322-01	MW-9 (up)
		1IF0075-MS1	1ID1322-01
		1IF0075-MSD1	1ID1322-01
		1IF0075-PS1	1ID1322-01
		1ID1322-02	MW-14 (up)
		1ID1322-03	MW-4 (up)
		1ID1322-04	MW-5 (up)
		1ID1322-05	MW-11
		1ID1322-06	MW-12
		1ID1322-07	MW-15
		1ID1322-08	MW-16
		1ID1322-09	MW-2
		1ID1322-10	MW-3
		1ID1322-11	MW-6
		1ID1322-12	MW-7
		1ID1322-13	Duplicate

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IF1340	1IF1340-BLK1	
		1IF1340-BS1	
		1IF1340-MS1	1ID0938-06RE1
		1IF1340-MSD1	1ID0938-06RE1
		1IF1340-PS1	1ID0938-06RE1

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 1ID0920 - EPA 5030B - EPA 8260D										
Blank (1ID0920-BLK1)	Prepared: 04/16/25 00:00 Analyzed: 04/16/25 12:56									
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							
Acrylonitrile	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0920 - EPA 5030B - EPA 8260D										
Blank (1ID0920-BLK1)			Prepared: 04/16/25 00:00 Analyzed: 04/16/25 12:56							
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	*41.6*		ug/L	*50.2*		*82.8*	*57-134*			
Surrogate: Dibromofluoromethane	*41.6*		ug/L	*50.2*		*82.8*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*36.2*		ug/L	*50.1*		*72.3*	*53-140*			
Surrogate: 1,2-Dichloroethane-d4	*36.2*		ug/L	*50.1*		*72.3*	*61-142*			
Surrogate: 1,2-Dichloroethane-d4	*36.2*		ug/L	*50.1*		*72.3*	*53-140*			
Surrogate: Toluene-d8	*52.8*		ug/L	*50.4*		*105*	*86-114*			
Surrogate: Toluene-d8	*52.8*		ug/L	*50.4*		*105*	*86-114*			
Surrogate: Toluene-d8	*52.8*		ug/L	*50.4*		*105*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*45.3*		ug/L	*50.1*		*90.4*	*80-116*			
Surrogate: 4-Bromofluorobenzene	*45.3*		ug/L	*50.1*		*90.4*	*78-121*			
Surrogate: 4-Bromofluorobenzene	*45.3*		ug/L	*50.1*		*90.4*	*78-121*			
LCS (1ID0920-BS1)			Prepared: 04/16/25 00:00 Analyzed: 04/16/25 11:49							
Chloromethane	30.85	1.0	ug/L	30.3		102	63-155			
Vinyl Chloride	31.85	1.0	ug/L	30.2		105	70-154			
Bromomethane	29.46	1.0	ug/L	30.1		97.8	52-176			
Chloroethane	31.21	1.0	ug/L	30.3		103	72-148			
Trichlorofluoromethane	32.76	1.0	ug/L	30.3		108	70-152			
Acrolein	33.56	10.0	ug/L	50.4		66.7	21-142			
1,1-Dichloroethylene	59.41	1.0	ug/L	50.1		119	70-148			
Acetone	110.3	10.0	ug/L	100		110	43-172			
Methyl Iodide	101.2	1.0	ug/L	100		101	69-170			
Carbon Disulfide	108.6	1.0	ug/L	100		109	72-162			
Methylene Chloride	45.78	5.0	ug/L	50.1		91.4	68-142			
Acrylonitrile	48.07	5.0	ug/L	50.2		95.8	56-135			
Acrylonitrile	48.07	5.0	ug/L	50.2		95.8	56-135			
trans-1,2-Dichloroethylene	57.70	1.0	ug/L	50.1		115	66-148			
1,1-Dichloroethane	54.18	1.0	ug/L	50.1		108	66-143			
Vinyl Acetate	153.9	5.0	ug/L	140		110	43-153			
cis-1,2-Dichloroethylene	52.04	1.0	ug/L	50.4		103	71-149			
2-Butanone (MEK)	92.25	10.0	ug/L	100		92.2	52-159			
Bromochloromethane	50.51	1.0	ug/L	50.4		100	69-143			
Chloroform	52.66	1.0	ug/L	50.1		105	69-144			
1,1,1-Trichloroethane	58.06	1.0	ug/L	50.1		116	62-129			
Carbon Tetrachloride	57.26	1.0	ug/L	50.1		114	63-141			
Benzene	48.46	1.0	ug/L	50.4		96.1	71-134			
1,2-Dichloroethane	49.66	1.0	ug/L	50.1		99.2	72-132			
Trichloroethylene	52.24	1.0	ug/L	50.1		104	71-135			

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0920 - EPA 5030B - EPA 8260D										
LCS (1ID0920-BS1)			Prepared: 04/16/25 00:00 Analyzed: 04/16/25 11:49							
1,2-Dichloropropane	47.62	1.0	ug/L	50.1		95.1	69-136			
Dibromomethane	48.26	1.0	ug/L	50.4		95.8	73-147			
Bromodichloromethane	50.65	1.0	ug/L	50.1		101	68-129			
cis-1,3-Dichloropropene	47.09	1.0	ug/L	50.1		94.0	65-134			
4-Methyl-2-pentanone (MIBK)	89.05	5.0	ug/L	100		89.0	58-147			
Toluene	52.94	1.0	ug/L	50.5		105	72-133			
trans-1,3-Dichloropropene	45.16	1.0	ug/L	50.1		90.2	67-130			
1,1,2-Trichloroethane	43.35	1.0	ug/L	50.1		86.5	69-135			
Tetrachloroethylene	53.11	1.0	ug/L	50.1		106	69-130			
2-Hexanone (MBK)	93.78	5.0	ug/L	100		93.8	55-144			
Dibromochloromethane	48.56	1.0	ug/L	50.1		97.0	73-127			
1,2-Dibromoethane	47.52	1.0	ug/L	50.2		94.6	67-132			
Chlorobenzene	46.97	1.0	ug/L	50.1		93.8	72-123			
1,1,1,2-Tetrachloroethane	45.54	1.0	ug/L	50.3		90.5	73-127			
Ethylbenzene	52.89	1.0	ug/L	50.2		105	71-127			
Xylenes, total	153.6	2.0	ug/L	151		102	74-127			
Styrene	49.00	1.0	ug/L	50.4		97.3	66-126			
Bromoform	43.63	1.0	ug/L	50.1		87.1	68-130			
1,2,3-Trichloropropane	33.62	1.0	ug/L	50.3		66.8	63-136			
trans-1,4-Dichloro-2-butene	79.02	5.0	ug/L	100		79.0	54-134			
1,1,2,2-Tetrachloroethane	45.67	1.0	ug/L	50.1		91.2	61-131			
1,4-Dichlorobenzene	42.69	1.0	ug/L	50.1		85.2	70-129			
1,2-Dichlorobenzene	36.47	1.0	ug/L	50.1		72.8	69-126			
1,2-Dibromo-3-chloropropane	25.40	5.0	ug/L	50.1		50.7	50-143			
Surrogate: Dibromofluoromethane	*49.8*		ug/L	*50.2*		*99.2*	*57-134*			
Surrogate: Dibromofluoromethane	*49.8*		ug/L	*50.2*		*99.2*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*47.8*		ug/L	*50.1*		*95.5*	*53-140*			
Surrogate: 1,2-Dichloroethane-d4	*47.8*		ug/L	*50.1*		*95.5*	*61-142*			
Surrogate: 1,2-Dichloroethane-d4	*47.8*		ug/L	*50.1*		*95.5*	*53-140*			
Surrogate: Toluene-d8	*49.3*		ug/L	*50.4*		*97.8*	*86-114*			
Surrogate: Toluene-d8	*49.3*		ug/L	*50.4*		*97.8*	*86-114*			
Surrogate: Toluene-d8	*49.3*		ug/L	*50.4*		*97.8*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*45.7*		ug/L	*50.1*		*91.2*	*80-116*			
Surrogate: 4-Bromofluorobenzene	*45.7*		ug/L	*50.1*		*91.2*	*78-121*			
Surrogate: 4-Bromofluorobenzene	*45.7*		ug/L	*50.1*		*91.2*	*78-121*			
LCS Dup (1ID0920-BSD1)			Prepared: 04/16/25 00:00 Analyzed: 04/16/25 12:11							
Chloromethane	33.39	1.0	ug/L	30.3		110	63-155	7.91	24	
Vinyl Chloride	33.51	1.0	ug/L	30.2		111	70-154	5.08	25	
Bromomethane	32.57	1.0	ug/L	30.1		108	52-176	10.0	27	
Chloroethane	32.93	1.0	ug/L	30.3		109	72-148	5.36	25	
Trichlorofluoromethane	33.97	1.0	ug/L	30.3		112	70-152	3.63	26	
Acrolein	46.01	10.0	ug/L	50.4		91.4	21-142	31.3	18	R1
1,1-Dichloroethylene	61.68	1.0	ug/L	50.1		123	70-148	3.75	24	

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0920 - EPA 5030B - EPA 8260D										
LCS Dup (1ID0920-BSD1)			Prepared: 04/16/25 00:00 Analyzed: 04/16/25 12:11							
Acetone	124.3	10.0	ug/L	100		124	43-172	11.9	30	
Methyl Iodide	108.2	1.0	ug/L	100		108	69-170	6.66	30	
Carbon Disulfide	112.0	1.0	ug/L	100		112	72-162	3.06	24	
Methylene Chloride	54.07	5.0	ug/L	50.1		108	68-142	16.6	21	
Acrylonitrile	59.30	5.0	ug/L	50.2		118	56-135	20.9	16	R1
Acrylonitrile	59.30	5.0	ug/L	50.2		118	56-135	20.9	16	R1
trans-1,2-Dichloroethylene	59.66	1.0	ug/L	50.1		119	66-148	3.34	27	
1,1-Dichloroethane	58.01	1.0	ug/L	50.1		116	66-143	6.83	24	
Vinyl Acetate	183.5	5.0	ug/L	140		131	43-153	17.5	30	
cis-1,2-Dichloroethylene	55.44	1.0	ug/L	50.4		110	71-149	6.33	26	
2-Butanone (MEK)	121.0	10.0	ug/L	100		121	52-159	27.0	27	
Bromochloromethane	57.62	1.0	ug/L	50.4		114	69-143	13.2	23	
Chloroform	56.50	1.0	ug/L	50.1		113	69-144	7.04	23	
1,1,1-Trichloroethane	59.45	1.0	ug/L	50.1		119	62-129	2.37	24	
Carbon Tetrachloride	57.83	1.0	ug/L	50.1		115	63-141	0.991	25	
Benzene	52.85	1.0	ug/L	50.4		105	71-134	8.67	24	
1,2-Dichloroethane	57.24	1.0	ug/L	50.1		114	72-132	14.2	24	
Trichloroethylene	54.77	1.0	ug/L	50.1		109	71-135	4.73	24	
1,2-Dichloropropane	55.07	1.0	ug/L	50.1		110	69-136	14.5	24	
Dibromomethane	55.23	1.0	ug/L	50.4		110	73-147	13.5	25	
Bromodichloromethane	57.56	1.0	ug/L	50.1		115	68-129	12.8	22	
cis-1,3-Dichloropropene	55.41	1.0	ug/L	50.1		111	65-134	16.2	23	
4-Methyl-2-pentanone (MIBK)	118.9	5.0	ug/L	100		119	58-147	28.7	27	R1
Toluene	58.35	1.0	ug/L	50.5		116	72-133	9.72	24	
trans-1,3-Dichloropropene	55.96	1.0	ug/L	50.1		112	67-130	21.4	24	
1,1,2-Trichloroethane	51.98	1.0	ug/L	50.1		104	69-135	18.1	23	
Tetrachloroethylene	52.71	1.0	ug/L	50.1		105	69-130	0.756	25	
2-Hexanone (MBK)	116.9	5.0	ug/L	100		117	55-144	21.9	25	
Dibromochloromethane	54.27	1.0	ug/L	50.1		108	73-127	11.1	22	
1,2-Dibromoethane	54.87	1.0	ug/L	50.2		109	67-132	14.4	24	
Chlorobenzene	51.63	1.0	ug/L	50.1		103	72-123	9.45	23	
1,1,1,2-Tetrachloroethane	50.50	1.0	ug/L	50.3		100	73-127	10.3	24	
Ethylbenzene	55.77	1.0	ug/L	50.2		111	71-127	5.30	26	
Xylenes, total	166.1	2.0	ug/L	151		110	74-127	7.81	25	
Styrene	56.34	1.0	ug/L	50.4		112	66-126	13.9	23	
Bromoform	53.83	1.0	ug/L	50.1		107	68-130	20.9	23	
1,2,3-Trichloropropane	45.01	1.0	ug/L	50.3		89.4	63-136	29.0	24	R1
trans-1,4-Dichloro-2-butene	106.2	5.0	ug/L	100		106	54-134	29.4	27	R1
1,1,2,2-Tetrachloroethane	53.60	1.0	ug/L	50.1		107	61-131	16.0	29	
1,4-Dichlorobenzene	50.06	1.0	ug/L	50.1		99.9	70-129	15.9	24	
1,2-Dichlorobenzene	47.44	1.0	ug/L	50.1		94.7	69-126	26.1	26	R1
1,2-Dibromo-3-chloropropane	36.28	5.0	ug/L	50.1		72.4	50-143	35.3	30	R1

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0920 - EPA 5030B - EPA 8260D										
LCS Dup (1ID0920-BSD1)			Prepared: 04/16/25 00:00 Analyzed: 04/16/25 12:11							
Surrogate: Dibromofluoromethane	*52.7*		ug/L	*50.2*		*105*	*57-134*			
Surrogate: Dibromofluoromethane	*52.7*		ug/L	*50.2*		*105*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*51.0*		ug/L	*50.1*		*102*	*53-140*			
Surrogate: 1,2-Dichloroethane-d4	*51.0*		ug/L	*50.1*		*102*	*61-142*			
Surrogate: 1,2-Dichloroethane-d4	*51.0*		ug/L	*50.1*		*102*	*53-140*			
Surrogate: Toluene-d8	*51.8*		ug/L	*50.4*		*103*	*86-114*			
Surrogate: Toluene-d8	*51.8*		ug/L	*50.4*		*103*	*86-114*			
Surrogate: Toluene-d8	*51.8*		ug/L	*50.4*		*103*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*47.8*		ug/L	*50.1*		*95.4*	*80-116*			
Surrogate: 4-Bromofluorobenzene	*47.8*		ug/L	*50.1*		*95.4*	*78-121*			
Surrogate: 4-Bromofluorobenzene	*47.8*		ug/L	*50.1*		*95.4*	*78-121*			
Matrix Spike (1ID0920-MS1)		**Source: 1ID1322-01**	Prepared: 04/16/25 00:00 Analyzed: 04/16/25 17:57							
Chloromethane	307.6	10.0	ug/L	303	ND	101	61-152			
Vinyl Chloride	313.0	10.0	ug/L	302	ND	103	66-149			
Bromomethane	299.9	10.0	ug/L	301	ND	99.6	43-171			
Chloroethane	307.1	10.0	ug/L	303	ND	101	69-148			
Trichlorofluoromethane	319.7	10.0	ug/L	303	ND	105	62-163			
Acrolein	261.1	100	ug/L	504	ND	51.9	22-138			
1,1-Dichloroethylene	579.0	10.0	ug/L	501	ND	116	70-148			
Acetone	1167	100	ug/L	1000	ND	117	45-173			
Methyl Iodide	977.8	10.0	ug/L	1000	ND	97.8	62-167			
Carbon Disulfide	1018	10.0	ug/L	1000	ND	102	71-163			
Methylene Chloride	478.8	50.0	ug/L	501	ND	95.6	69-140			
Acrylonitrile	502.9	50.0	ug/L	502	ND	100	38-147			
Acrylonitrile	502.9	50.0	ug/L	502	ND	100	38-147			
trans-1,2-Dichloroethylene	554.7	10.0	ug/L	501	ND	111	69-144			
1,1-Dichloroethane	535.6	10.0	ug/L	501	ND	107	70-138			
Vinyl Acetate	1598	50.0	ug/L	1400	ND	114	58-142			
cis-1,2-Dichloroethylene	517.3	10.0	ug/L	504	ND	103	68-151			
2-Butanone (MEK)	1122	100	ug/L	1000	ND	112	50-160			
Bromochloromethane	519.8	10.0	ug/L	504	ND	103	65-143			
Chloroform	515.0	10.0	ug/L	501	ND	103	71-143			
1,1,1-Trichloroethane	563.3	10.0	ug/L	501	ND	112	63-133			
Carbon Tetrachloride	559.1	10.0	ug/L	501	ND	112	63-142			
Benzene	496.2	10.0	ug/L	504	ND	98.4	69-133			
1,2-Dichloroethane	520.1	10.0	ug/L	501	ND	104	63-138			
Trichloroethylene	512.9	10.0	ug/L	501	ND	102	71-133			
1,2-Dichloropropane	494.3	10.0	ug/L	501	ND	98.7	69-132			
Dibromomethane	526.2	10.0	ug/L	504	ND	104	70-147			
Bromodichloromethane	525.6	10.0	ug/L	501	ND	105	67-130			
cis-1,3-Dichloropropene	497.4	10.0	ug/L	501	ND	99.3	61-126			
4-Methyl-2-pentanone (MIBK)	1085	50.0	ug/L	1000	ND	108	55-147			
Toluene	546.6	10.0	ug/L	505	ND	108	71-133			

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0920 - EPA 5030B - EPA 8260D										
Matrix Spike (1ID0920-MS1)	**Source: 1ID1322-01**	Prepared: 04/16/25 00:00 Analyzed: 04/16/25 17:57								
trans-1,3-Dichloropropene	490.0	10.0	ug/L	501	ND	97.9	63-124			
1,1,2-Trichloroethane	493.6	10.0	ug/L	501	ND	98.5	69-133			
Tetrachloroethylene	490.5	10.0	ug/L	501	ND	97.9	70-124			
2-Hexanone (MBK)	1110	50.0	ug/L	1000	ND	111	53-141			
Dibromochloromethane	511.3	10.0	ug/L	501	ND	102	74-122			
1,2-Dibromoethane	484.1	10.0	ug/L	502	ND	96.4	66-127			
Chlorobenzene	468.7	10.0	ug/L	501	ND	93.6	76-116			
1,1,1,2-Tetrachloroethane	465.0	10.0	ug/L	503	ND	92.4	77-121			
Ethylbenzene	522.3	10.0	ug/L	502	ND	104	73-124			
Xylenes, total	1540	20.0	ug/L	1510	ND	102	75-123			
Styrene	520.1	10.0	ug/L	504	ND	103	70-120			
Bromoform	485.3	10.0	ug/L	501	ND	96.8	70-124			
1,2,3-Trichloropropane	416.3	10.0	ug/L	503	ND	82.7	62-135			
trans-1,4-Dichloro-2-butene	966.0	50.0	ug/L	1000	ND	96.6	50-120			
1,1,2,2-Tetrachloroethane	459.0	10.0	ug/L	501	ND	91.6	63-126			
1,4-Dichlorobenzene	423.0	10.0	ug/L	501	ND	84.4	72-119			
1,2-Dichlorobenzene	416.8	10.0	ug/L	501	ND	83.2	71-117			
1,2-Dibromo-3-chloropropane	329.3	50.0	ug/L	501	ND	65.7	49-134			
Surrogate: Dibromofluoromethane	*511*		ug/L	*502*		*102*	*57-134*			
Surrogate: Dibromofluoromethane	*511*		ug/L	*502*		*102*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*490*		ug/L	*501*		*97.8*	*53-140*			
Surrogate: 1,2-Dichloroethane-d4	*490*		ug/L	*501*		*97.8*	*61-142*			
Surrogate: 1,2-Dichloroethane-d4	*490*		ug/L	*501*		*97.8*	*53-140*			
Surrogate: Toluene-d8	*509*		ug/L	*504*		*101*	*86-114*			
Surrogate: Toluene-d8	*509*		ug/L	*504*		*101*	*86-114*			
Surrogate: Toluene-d8	*509*		ug/L	*504*		*101*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*503*		ug/L	*501*		*100*	*80-116*			
Surrogate: 4-Bromofluorobenzene	*503*		ug/L	*501*		*100*	*78-121*			
Surrogate: 4-Bromofluorobenzene	*503*		ug/L	*501*		*100*	*78-121*			
Matrix Spike Dup (1ID0920-MSD1)	**Source: 1ID1322-01**	Prepared: 04/16/25 00:00 Analyzed: 04/16/25 18:20								
Chloromethane	308.5	10.0	ug/L	303	ND	102	61-152	0.292	26	
Vinyl Chloride	305.2	10.0	ug/L	302	ND	101	66-149	2.52	23	
Bromomethane	300.6	10.0	ug/L	301	ND	99.8	43-171	0.233	29	
Chloroethane	304.0	10.0	ug/L	303	ND	100	69-148	1.01	25	
Trichlorofluoromethane	313.7	10.0	ug/L	303	ND	104	62-163	1.89	25	
Acrolein	330.9	100	ug/L	504	ND	65.7	22-138	23.6	30	
1,1-Dichloroethylene	560.4	10.0	ug/L	501	ND	112	70-148	3.26	22	
Acetone	1160	100	ug/L	1000	ND	116	45-173	0.645	30	
Methyl Iodide	978.4	10.0	ug/L	1000	ND	97.8	62-167	0.0613	24	
Carbon Disulfide	1008	10.0	ug/L	1000	ND	101	71-163	0.958	22	
Methylene Chloride	482.8	50.0	ug/L	501	ND	96.4	69-140	0.832	19	
Acrylonitrile	552.1	50.0	ug/L	502	ND	110	38-147	9.33	30	
Acrylonitrile	552.1	50.0	ug/L	502	ND	110	38-147	9.33	30	

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0920 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1ID0920-MSD1)	**Source: 1ID1322-01**	Prepared: 04/16/25 00:00 Analyzed: 04/16/25 18:20								
trans-1,2-Dichloroethylene	547.2	10.0	ug/L	501	ND	109	69-144	1.36	22	
1,1-Dichloroethane	529.1	10.0	ug/L	501	ND	106	70-138	1.22	20	
Vinyl Acetate	1624	50.0	ug/L	1400	ND	116	58-142	1.63	24	
cis-1,2-Dichloroethylene	511.6	10.0	ug/L	504	ND	102	68-151	1.11	22	
2-Butanone (MEK)	967.7	100	ug/L	1000	ND	96.8	50-160	14.7	23	
Bromochloromethane	527.7	10.0	ug/L	504	ND	105	65-143	1.51	22	
Chloroform	523.5	10.0	ug/L	501	ND	105	71-143	1.64	21	
1,1,1-Trichloroethane	543.5	10.0	ug/L	501	ND	108	63-133	3.58	23	
Carbon Tetrachloride	545.7	10.0	ug/L	501	ND	109	63-142	2.43	22	
Benzene	498.3	10.0	ug/L	504	ND	98.8	69-133	0.422	18	
1,2-Dichloroethane	521.3	10.0	ug/L	501	ND	104	63-138	0.230	20	
Trichloroethylene	508.7	10.0	ug/L	501	ND	102	71-133	0.822	23	
1,2-Dichloropropane	517.6	10.0	ug/L	501	ND	103	69-132	4.61	20	
Dibromomethane	518.4	10.0	ug/L	504	ND	103	70-147	1.49	22	
Bromodichloromethane	545.3	10.0	ug/L	501	ND	109	67-130	3.68	21	
cis-1,3-Dichloropropene	511.9	10.0	ug/L	501	ND	102	61-126	2.87	21	
4-Methyl-2-pentanone (MIBK)	1119	50.0	ug/L	1000	ND	112	55-147	3.10	23	
Toluene	547.7	10.0	ug/L	505	ND	109	71-133	0.201	19	
trans-1,3-Dichloropropene	509.9	10.0	ug/L	501	ND	102	63-124	3.98	21	
1,1,2-Trichloroethane	488.6	10.0	ug/L	501	ND	97.5	69-133	1.02	19	
Tetrachloroethylene	495.7	10.0	ug/L	501	ND	98.9	70-124	1.05	24	
2-Hexanone (MBK)	1184	50.0	ug/L	1000	ND	118	53-141	6.51	24	
Dibromochloromethane	528.2	10.0	ug/L	501	ND	105	74-122	3.25	21	
1,2-Dibromoethane	514.7	10.0	ug/L	502	ND	102	66-127	6.13	23	
Chlorobenzene	484.7	10.0	ug/L	501	ND	96.8	76-116	3.36	21	
1,1,1,2-Tetrachloroethane	469.6	10.0	ug/L	503	ND	93.3	77-121	0.984	25	
Ethylbenzene	524.3	10.0	ug/L	502	ND	105	73-124	0.382	20	
Xylenes, total	1561	20.0	ug/L	1510	ND	103	75-123	1.38	20	
Styrene	537.0	10.0	ug/L	504	ND	107	70-120	3.20	23	
Bromoform	518.6	10.0	ug/L	501	ND	103	70-124	6.63	22	
1,2,3-Trichloropropane	418.4	10.0	ug/L	503	ND	83.1	62-135	0.503	28	
trans-1,4-Dichloro-2-butene	1004	50.0	ug/L	1000	ND	100	50-120	3.91	26	
1,1,2,2-Tetrachloroethane	507.5	10.0	ug/L	501	ND	101	63-126	10.0	24	
1,4-Dichlorobenzene	462.0	10.0	ug/L	501	ND	92.2	72-119	8.81	24	
1,2-Dichlorobenzene	447.0	10.0	ug/L	501	ND	89.2	71-117	6.99	24	
1,2-Dibromo-3-chloropropane	410.6	50.0	ug/L	501	ND	81.9	49-134	22.0	28	
Surrogate: Dibromofluoromethane	*488*		ug/L	*502*		*97.3*	*57-134*			
Surrogate: Dibromofluoromethane	*488*		ug/L	*502*		*97.3*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*490*		ug/L	*501*		*97.8*	*53-140*			
Surrogate: 1,2-Dichloroethane-d4	*490*		ug/L	*501*		*97.8*	*61-142*			
Surrogate: 1,2-Dichloroethane-d4	*490*		ug/L	*501*		*97.8*	*53-140*			
Surrogate: Toluene-d8	*508*		ug/L	*504*		*101*	*86-114*			
Surrogate: Toluene-d8	*508*		ug/L	*504*		*101*	*86-114*			

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0920 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1ID0920-MSD1)	**Source: 1ID1322-01**		Prepared: 04/16/25 00:00 Analyzed: 04/16/25 18:20							
Surrogate: Toluene-d8	*508*		ug/L	*504*		*101*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*490*		ug/L	*501*		*97.8*	*80-116*			
Surrogate: 4-Bromofluorobenzene	*490*		ug/L	*501*		*97.8*	*78-121*			
Surrogate: 4-Bromofluorobenzene	*490*		ug/L	*501*		*97.8*	*78-121*			
Batch 1ID0921 - EPA 5030B - EPA 8260D										
Blank (1ID0921-BLK1)			Prepared: 04/16/25 00:00 Analyzed: 04/16/25 13:10							
Allyl chloride	<1.0	1.0	ug/L							
Chloroprene	<1.0	1.0	ug/L							
Methacrylonitrile	<1.0	1.0	ug/L							
Methyl Methacrylate	<1.0	1.0	ug/L							
Propionitrile	<10.0	10.0	ug/L							
Surrogate: Dibromofluoromethane	*50.1*		ug/L	*50.2*		*99.8*	*57-134*			
Surrogate: 1,2-Dichloroethane-d4	*49.4*		ug/L	*50.1*		*98.7*	*53-140*			
Surrogate: Toluene-d8	*50.0*		ug/L	*50.4*		*99.3*	*86-114*			
Surrogate: 4-Bromofluorobenzene	*50.0*		ug/L	*50.1*		*99.6*	*78-121*			
LCS (1ID0921-BS1)			Prepared: 04/16/25 00:00 Analyzed: 04/16/25 12:01							
Allyl chloride	55.95	1.0	ug/L	50.0		112	40-154			
Chloroprene	62.92	1.0	ug/L	50.0		126	57-134			
Methacrylonitrile	52.90	1.0	ug/L	50.0		106	59-124			
Methyl Methacrylate	48.39	1.0	ug/L	50.0		96.8	64-130			
Propionitrile	50.47	10.0	ug/L	50.0		101	32-180			
Surrogate: Dibromofluoromethane	*50.9*		ug/L	*50.2*		*102*	*57-134*			
Surrogate: 1,2-Dichloroethane-d4	*49.8*		ug/L	*50.1*		*99.5*	*53-140*			
Surrogate: Toluene-d8	*50.5*		ug/L	*50.4*		*100*	*86-114*			
Surrogate: 4-Bromofluorobenzene	*49.7*		ug/L	*50.1*		*99.1*	*78-121*			
LCS Dup (1ID0921-BSD1)			Prepared: 04/16/25 00:00 Analyzed: 04/16/25 12:24							
Allyl chloride	52.99	1.0	ug/L	50.0		106	40-154	5.43	16	
Chloroprene	59.87	1.0	ug/L	50.0		120	57-134	4.97	15	
Methacrylonitrile	52.19	1.0	ug/L	50.0		104	59-124	1.35	17	
Methyl Methacrylate	48.69	1.0	ug/L	50.0		97.4	64-130	0.618	17	
Propionitrile	49.72	10.0	ug/L	50.0		99.4	32-180	1.50	21	
Surrogate: Dibromofluoromethane	*50.0*		ug/L	*50.2*		*99.5*	*57-134*			
Surrogate: 1,2-Dichloroethane-d4	*48.8*		ug/L	*50.1*		*97.5*	*53-140*			
Surrogate: Toluene-d8	*50.0*		ug/L	*50.4*		*99.3*	*86-114*			
Surrogate: 4-Bromofluorobenzene	*49.7*		ug/L	*50.1*		*99.2*	*78-121*			
Matrix Spike (1ID0921-MS1)	**Source: 1ID0938-06**		Prepared: 04/16/25 00:00 Analyzed: 04/16/25 16:16							
Allyl chloride	509.3	10.0	ug/L	500	ND	102	60-140			
Chloroprene	579.2	10.0	ug/L	500	ND	116	62-121			
Methacrylonitrile	511.1	10.0	ug/L	500	ND	102	60-140			

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0921 - EPA 5030B - EPA 8260D										
Matrix Spike (1ID0921-MS1)	**Source: 1ID0938-06**	Prepared: 04/16/25 00:00 Analyzed: 04/16/25 16:16								
Methyl Methacrylate	477.3	10.0	ug/L	500	ND	95.5	60-140			
Propionitrile	497.1	100	ug/L	500	ND	99.4	60-140			
Surrogate: Dibromofluoromethane	*476*		ug/L	*502*		*94.8*	*57-134*			
Surrogate: 1,2-Dichloroethane-d4	*471*		ug/L	*501*		*94.0*	*53-140*			
Surrogate: Toluene-d8	*494*		ug/L	*504*		*98.0*	*86-114*			
Surrogate: 4-Bromofluorobenzene	*492*		ug/L	*501*		*98.0*	*78-121*			
Matrix Spike Dup (1ID0921-MSD1)	**Source: 1ID0938-06**	Prepared: 04/16/25 00:00 Analyzed: 04/16/25 16:38								
Allyl chloride	502.6	10.0	ug/L	500	ND	101	60-140	1.32	30	
Chloroprene	569.7	10.0	ug/L	500	ND	114	62-121	1.65	30	
Methacrylonitrile	513.5	10.0	ug/L	500	ND	103	60-140	0.468	30	
Methyl Methacrylate	480.5	10.0	ug/L	500	ND	96.1	60-140	0.668	30	
Propionitrile	468.3	100	ug/L	500	ND	93.7	60-140	5.97	30	
Surrogate: Dibromofluoromethane	*473*		ug/L	*502*		*94.2*	*57-134*			
Surrogate: 1,2-Dichloroethane-d4	*470*		ug/L	*501*		*93.8*	*53-140*			
Surrogate: Toluene-d8	*496*		ug/L	*504*		*98.5*	*86-114*			
Surrogate: 4-Bromofluorobenzene	*498*		ug/L	*501*		*99.3*	*78-121*			
Batch 1ID1221 - EPA 5030B - EPA 8260D										
Blank (1ID1221-BLK1)		Prepared: 04/22/25 00:00 Analyzed: 04/22/25 14:54								
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							

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1221 - EPA 5030B - EPA 8260D										
Blank (1ID1221-BLK1)			Prepared: 04/22/25 00:00 Analyzed: 04/22/25 14:54							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
Ethyl Methacrylate	<10.0	10.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
1,3-Dichloropropane	<1.0	1.0	ug/L							
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							
1,3-Dichlorobenzene	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	*51.9*		ug/L	*50.2*		*103*	*57-134*			
Surrogate: 1,2-Dichloroethane-d4	*43.0*		ug/L	*50.1*		*86.0*	*53-140*			
Surrogate: Toluene-d8	*49.0*		ug/L	*50.4*		*97.4*	*86-114*			
Surrogate: 4-Bromofluorobenzene	*46.1*		ug/L	*50.1*		*91.9*	*78-121*			
LCS (1ID1221-BS1)			Prepared: 04/22/25 00:00 Analyzed: 04/22/25 14:10							
Dichlorodifluoromethane	34.77	1.0	ug/L	30.3		115	49-138			
Chloromethane	33.12	1.0	ug/L	30.3		109	60-141			
Vinyl Chloride	35.43	1.0	ug/L	30.2		117	65-137			
Bromomethane	34.60	1.0	ug/L	30.1		115	47-173			
Chloroethane	34.59	1.0	ug/L	30.3		114	67-145			
Trichlorofluoromethane	37.53	1.0	ug/L	30.3		124	63-127			
1,1-Dichloroethylene	65.17	1.0	ug/L	50.1		130	69-136			
Acetone	107.8	10.0	ug/L	100		108	45-153			

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1221 - EPA 5030B - EPA 8260D										
LCS (1ID1221-BS1)	Prepared: 04/22/25 00:00 Analyzed: 04/22/25 14:10									
Methyl Iodide	138.0	2.0	ug/L	100		138	58-156			
Carbon Disulfide	119.5	1.0	ug/L	100		119	68-128			
Acetonitrile	97.90	10.0	ug/L	100		97.9	35-177			
Methylene Chloride	59.54	5.0	ug/L	50.1		119	65-124			
trans-1,2-Dichloroethylene	64.69	1.0	ug/L	50.1		129	74-126			Q2
1,1-Dichloroethane	62.62	1.0	ug/L	50.1		125	73-122			Q2
Vinyl Acetate	178.7	5.0	ug/L	140		128	24-171			
2,2-Dichloropropane	65.79	1.0	ug/L	50.3		131	68-120			Q2
cis-1,2-Dichloroethylene	60.00	1.0	ug/L	50.4		119	65-149			
2-Butanone (MEK)	101.0	5.0	ug/L	100		101	57-147			
Bromochloromethane	56.95	1.0	ug/L	50.4		113	76-125			
Chloroform	59.28	1.0	ug/L	50.1		118	71-125			
1,1,1-Trichloroethane	66.76	1.0	ug/L	50.1		133	66-118			Q2
1,1-Dichloropropene	62.97	1.0	ug/L	50.5		125	69-130			
Carbon Tetrachloride	66.37	1.0	ug/L	50.1		133	68-126			Q2
Benzene	57.66	1.0	ug/L	50.4		114	81-123			
1,2-Dichloroethane	55.85	1.0	ug/L	50.1		112	70-130			
Trichloroethylene	61.42	1.0	ug/L	50.1		123	84-118			Q2
1,2-Dichloropropane	58.63	1.0	ug/L	50.1		117	87-118			
Dibromomethane	51.63	1.0	ug/L	50.4		103	82-126			
Bromodichloromethane	61.54	1.0	ug/L	50.1		123	80-116			Q2
cis-1,3-Dichloropropene	48.99	1.0	ug/L	50.1		97.8	83-116			
4-Methyl-2-pentanone (MIBK)	87.57	5.0	ug/L	100		87.6	74-138			
Toluene	59.55	1.0	ug/L	50.5		118	78-123			
trans-1,3-Dichloropropene	48.67	1.0	ug/L	50.1		97.2	75-120			
Ethyl Methacrylate	91.96	10.0	ug/L	100		92.0	77-129			
1,1,2-Trichloroethane	52.89	1.0	ug/L	50.1		106	81-121			
Tetrachloroethylene	54.26	1.0	ug/L	50.1		108	76-120			
1,3-Dichloropropane	48.92	1.0	ug/L	50.4		97.0	86-131			
Dibromochloromethane	51.25	1.0	ug/L	50.1		102	83-123			
1,2-Dibromoethane	45.02	1.0	ug/L	50.2		89.6	86-115			
Chlorobenzene	50.74	1.0	ug/L	50.1		101	82-117			
1,1,1,2-Tetrachloroethane	50.85	1.0	ug/L	50.3		101	86-119			
Ethylbenzene	53.11	1.0	ug/L	50.2		106	80-122			
Xylenes, total	161.6	2.0	ug/L	151		107	81-122			
Styrene	49.04	1.0	ug/L	50.4		97.4	85-118			
Bromoform	49.37	1.0	ug/L	50.1		98.5	80-123			
1,2,3-Trichloropropane	46.40	1.0	ug/L	50.3		92.2	83-126			
trans-1,4-Dichloro-2-butene	78.99	5.0	ug/L	100		79.0	67-118			
1,3-Dichlorobenzene	47.85	1.0	ug/L	50.1		95.5	83-114			
1,4-Dichlorobenzene	44.88	1.0	ug/L	50.1		89.5	83-117			
1,2-Dichlorobenzene	46.76	1.0	ug/L	50.1		93.3	83-116			
1,2,4-Trichlorobenzene	40.27	1.0	ug/L	50.4		79.9	66-134			

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1221 - EPA 5030B - EPA 8260D										
LCS (1ID1221-BS1)				Prepared: 04/22/25 00:00 Analyzed: 04/22/25 14:10						
Surrogate: Dibromofluoromethane	*54.6*		ug/L	*50.2*		*109*	*57-134*			
Surrogate: 1,2-Dichloroethane-d4	*48.6*		ug/L	*50.1*		*96.9*	*53-140*			
Surrogate: Toluene-d8	*53.6*		ug/L	*50.4*		*106*	*86-114*			
Surrogate: 4-Bromofluorobenzene	*53.5*		ug/L	*50.1*		*107*	*78-121*			
Matrix Spike (1ID1221-MS1)	**Source: 1ID1698-05**			Prepared: 04/22/25 00:00 Analyzed: 04/23/25 00:06						
Dichlorodifluoromethane	227.0	10.0	ug/L	303	ND	74.9	37-140			
Chloromethane	236.7	10.0	ug/L	303	ND	78.1	47-147			
Vinyl Chloride	257.8	10.0	ug/L	302	ND	85.2	55-142			
Bromomethane	258.4	10.0	ug/L	301	ND	85.8	34-160			
Chloroethane	268.5	10.0	ug/L	303	ND	88.6	54-154			
Trichlorofluoromethane	299.9	10.0	ug/L	303	ND	99.0	49-131			
1,1-Dichloroethylene	522.3	10.0	ug/L	501	ND	104	57-143			
Acetone	1081	100	ug/L	1000	ND	108	27-173			
Methyl Iodide	1093	20.0	ug/L	1000	ND	109	39-157			
Carbon Disulfide	913.3	10.0	ug/L	1000	ND	91.3	53-136			
Acetonitrile	909.5	100	ug/L	1000	ND	91.0	11-189			
Methylene Chloride	516.5	50.0	ug/L	501	ND	103	57-128			
trans-1,2-Dichloroethylene	537.6	10.0	ug/L	501	ND	107	61-135			
1,1-Dichloroethane	545.2	10.0	ug/L	501	ND	109	60-131			
Vinyl Acetate	1650	50.0	ug/L	1400	ND	118	24-163			
2,2-Dichloropropane	507.9	10.0	ug/L	503	ND	101	37-112			
cis-1,2-Dichloroethylene	526.7	10.0	ug/L	504	ND	105	47-162			
2-Butanone (MEK)	927.5	50.0	ug/L	1000	ND	92.8	45-156			
Bromochloromethane	513.3	10.0	ug/L	504	ND	102	55-132			
Chloroform	536.3	10.0	ug/L	501	ND	107	45-142			
1,1,1-Trichloroethane	582.6	10.0	ug/L	501	ND	116	52-128			
1,1-Dichloropropene	541.5	10.0	ug/L	505	ND	107	49-138			
Carbon Tetrachloride	587.2	10.0	ug/L	501	ND	117	56-132			
Benzene	518.7	10.0	ug/L	504	ND	103	77-124			
1,2-Dichloroethane	542.6	10.0	ug/L	501	ND	108	67-130			
Trichloroethylene	555.5	10.0	ug/L	501	ND	111	75-123			
1,2-Dichloropropane	539.4	10.0	ug/L	501	ND	108	75-126			
Dibromomethane	515.0	10.0	ug/L	504	ND	102	72-131			
Bromodichloromethane	601.1	10.0	ug/L	501	ND	120	70-123			
cis-1,3-Dichloropropene	456.5	10.0	ug/L	501	ND	91.1	68-119			
4-Methyl-2-pentanone (MIBK)	902.9	50.0	ug/L	1000	ND	90.3	57-153			
Toluene	541.3	10.0	ug/L	505	ND	107	63-131			
trans-1,3-Dichloropropene	455.9	10.0	ug/L	501	ND	91.0	65-121			
Ethyl Methacrylate	894.1	100	ug/L	1000	ND	89.4	62-137			
1,1,2-Trichloroethane	528.0	10.0	ug/L	501	ND	105	76-124			
Tetrachloroethylene	496.9	10.0	ug/L	501	ND	99.2	77-117			
1,3-Dichloropropane	483.7	10.0	ug/L	504	ND	95.9	81-132			
Dibromochloromethane	507.7	10.0	ug/L	501	ND	101	77-124			

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1221 - EPA 5030B - EPA 8260D										
Matrix Spike (1ID1221-MS1)	**Source: 1ID1698-05**	Prepared: 04/22/25 00:00 Analyzed: 04/23/25 00:06								
1,2-Dibromoethane	443.0	10.0	ug/L	502	ND	88.2	82-117			
Chlorobenzene	466.1	10.0	ug/L	501	ND	93.1	82-114			
1,1,1,2-Tetrachloroethane	482.4	10.0	ug/L	503	ND	95.8	82-118			
Ethylbenzene	481.5	10.0	ug/L	502	ND	96.0	80-119			
Xylenes, total	1483	20.0	ug/L	1510	ND	98.2	81-119			
Styrene	453.7	10.0	ug/L	504	ND	90.1	81-119			
Bromoform	505.3	10.0	ug/L	501	ND	101	74-122			
1,2,3-Trichloropropane	492.4	10.0	ug/L	503	ND	97.8	72-138			
trans-1,4-Dichloro-2-butene	797.8	50.0	ug/L	1000	ND	79.8	56-116			
1,3-Dichlorobenzene	429.3	10.0	ug/L	501	ND	85.7	81-113			
1,4-Dichlorobenzene	412.0	10.0	ug/L	501	ND	82.2	81-116			
1,2-Dichlorobenzene	450.5	10.0	ug/L	501	ND	89.9	81-116			
1,2,4-Trichlorobenzene	405.4	10.0	ug/L	504	ND	80.5	65-132			
Surrogate: Dibromofluoromethane	*538*		ug/L	*502*		*107*	*57-134*			
Surrogate: 1,2-Dichloroethane-d4	*518*		ug/L	*501*		*103*	*53-140*			
Surrogate: Toluene-d8	*532*		ug/L	*504*		*106*	*86-114*			
Surrogate: 4-Bromofluorobenzene	*538*		ug/L	*501*		*107*	*78-121*			
Matrix Spike Dup (1ID1221-MSD1)	**Source: 1ID1698-05**	Prepared: 04/22/25 00:00 Analyzed: 04/23/25 00:28								
Dichlorodifluoromethane	216.5	10.0	ug/L	303	ND	71.5	37-140	4.74	18	
Chloromethane	228.9	10.0	ug/L	303	ND	75.5	47-147	3.35	18	
Vinyl Chloride	258.2	10.0	ug/L	302	ND	85.4	55-142	0.155	20	
Bromomethane	258.2	10.0	ug/L	301	ND	85.7	34-160	0.0774	22	
Chloroethane	260.2	10.0	ug/L	303	ND	85.8	54-154	3.14	20	
Trichlorofluoromethane	293.6	10.0	ug/L	303	ND	96.9	49-131	2.12	14	
1,1-Dichloroethylene	513.8	10.0	ug/L	501	ND	103	57-143	1.64	15	
Acetone	939.6	100	ug/L	1000	ND	94.0	27-173	14.0	30	
Methyl Iodide	1083	20.0	ug/L	1000	ND	108	39-157	0.882	12	
Carbon Disulfide	892.5	10.0	ug/L	1000	ND	89.2	53-136	2.30	20	
Acetonitrile	972.0	100	ug/L	1000	ND	97.2	11-189	6.64	24	
Methylene Chloride	522.0	50.0	ug/L	501	ND	104	57-128	1.06	14	
trans-1,2-Dichloroethylene	531.9	10.0	ug/L	501	ND	106	61-135	1.07	12	
1,1-Dichloroethane	532.9	10.0	ug/L	501	ND	106	60-131	2.28	15	
Vinyl Acetate	1704	50.0	ug/L	1400	ND	122	24-163	3.21	16	
2,2-Dichloropropane	505.7	10.0	ug/L	503	ND	100	37-112	0.434	13	
cis-1,2-Dichloroethylene	515.2	10.0	ug/L	504	ND	102	47-162	2.21	22	
2-Butanone (MEK)	949.2	50.0	ug/L	1000	ND	94.9	45-156	2.31	20	
Bromochloromethane	518.3	10.0	ug/L	504	ND	103	55-132	0.969	15	
Chloroform	536.4	10.0	ug/L	501	ND	107	45-142	0.0187	12	
1,1,1-Trichloroethane	581.7	10.0	ug/L	501	ND	116	52-128	0.155	14	
1,1-Dichloropropene	530.5	10.0	ug/L	505	ND	105	49-138	2.05	12	
Carbon Tetrachloride	581.2	10.0	ug/L	501	ND	116	56-132	1.03	12	
Benzene	510.7	10.0	ug/L	504	ND	101	77-124	1.55	12	

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1221 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1ID1221-MSD1)	**Source: 1ID1698-05**	Prepared: 04/22/25 00:00 Analyzed: 04/23/25 00:28								
1,2-Dichloroethane	536.0	10.0	ug/L	501	ND	107	67-130	1.22	13	
Trichloroethylene	535.2	10.0	ug/L	501	ND	107	75-123	3.72	11	
1,2-Dichloropropane	537.6	10.0	ug/L	501	ND	107	75-126	0.334	11	
Dibromomethane	494.8	10.0	ug/L	504	ND	98.2	72-131	4.00	12	
Bromodichloromethane	588.0	10.0	ug/L	501	ND	117	70-123	2.20	10	
cis-1,3-Dichloropropene	444.8	10.0	ug/L	501	ND	88.8	68-119	2.60	10	
4-Methyl-2-pentanone (MIBK)	907.5	50.0	ug/L	1000	ND	90.8	57-153	0.508	11	
Toluene	527.7	10.0	ug/L	505	ND	105	63-131	2.54	15	
trans-1,3-Dichloropropene	455.7	10.0	ug/L	501	ND	91.0	65-121	0.0439	14	
Ethyl Methacrylate	905.4	100	ug/L	1000	ND	90.5	62-137	1.26	10	
1,1,2-Trichloroethane	531.9	10.0	ug/L	501	ND	106	76-124	0.736	12	
Tetrachloroethylene	479.8	10.0	ug/L	501	ND	95.8	77-117	3.50	12	
1,3-Dichloropropane	476.5	10.0	ug/L	504	ND	94.5	81-132	1.50	12	
Dibromochloromethane	501.4	10.0	ug/L	501	ND	100	77-124	1.25	17	
1,2-Dibromoethane	441.2	10.0	ug/L	502	ND	87.8	82-117	0.407	14	
Chlorobenzene	464.7	10.0	ug/L	501	ND	92.8	82-114	0.301	11	
1,1,1,2-Tetrachloroethane	477.1	10.0	ug/L	503	ND	94.8	82-118	1.10	15	
Ethylbenzene	476.8	10.0	ug/L	502	ND	95.0	80-119	0.981	11	
Xylenes, total	1460	20.0	ug/L	1510	ND	96.7	81-119	1.54	11	
Styrene	446.2	10.0	ug/L	504	ND	88.6	81-119	1.67	12	
Bromoform	497.9	10.0	ug/L	501	ND	99.4	74-122	1.48	12	
1,2,3-Trichloropropane	476.8	10.0	ug/L	503	ND	94.7	72-138	3.22	14	
trans-1,4-Dichloro-2-butene	771.2	50.0	ug/L	1000	ND	77.1	56-116	3.39	10	
1,3-Dichlorobenzene	428.5	10.0	ug/L	501	ND	85.6	81-113	0.187	14	
1,4-Dichlorobenzene	404.9	10.0	ug/L	501	ND	80.8	81-116	1.74	14	M2
1,2-Dichlorobenzene	445.8	10.0	ug/L	501	ND	89.0	81-116	1.05	13	
1,2,4-Trichlorobenzene	389.2	10.0	ug/L	504	ND	77.3	65-132	4.08	15	
Surrogate: Dibromofluoromethane	*546*		ug/L	*502*		*109*	*57-134*			
Surrogate: 1,2-Dichloroethane-d4	*502*		ug/L	*501*		*100*	*53-140*			
Surrogate: Toluene-d8	*519*		ug/L	*504*		*103*	*86-114*			
Surrogate: 4-Bromofluorobenzene	*540*		ug/L	*501*		*108*	*78-121*			
Batch 1ID1376 - EPA 5030B - EPA 8260D										
Blank (1ID1376-BLK1)		Prepared: 04/24/25 00:00 Analyzed: 04/24/25 15:04								
2-Hexanone (MBK)	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	*39.0*		ug/L	*50.2*		*77.6*	*57-134*			
Surrogate: 1,2-Dichloroethane-d4	*38.7*		ug/L	*50.1*		*77.3*	*53-140*			
Surrogate: Toluene-d8	*52.2*		ug/L	*50.4*		*104*	*86-114*			
Surrogate: 4-Bromofluorobenzene	*47.2*		ug/L	*50.1*		*94.2*	*78-121*			

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1376 - EPA 5030B - EPA 8260D										
LCS (1ID1376-BS1)			Prepared: 04/24/25 00:00 Analyzed: 04/24/25 13:57							
2-Hexanone (MBK)	111.0	5.0	ug/L	100		111	76-139			
1,1,2,2-Tetrachloroethane	46.77	1.0	ug/L	50.1		93.3	81-124			
1,2-Dibromo-3-chloropropane	71.16	1.0	ug/L	50.1		142	77-128			Q2
Surrogate: Dibromofluoromethane	*52.5*		ug/L	*50.2*		*105*	*57-134*			
Surrogate: 1,2-Dichloroethane-d4	*55.2*		ug/L	*50.1*		*110*	*53-140*			
Surrogate: Toluene-d8	*49.2*		ug/L	*50.4*		*97.7*	*86-114*			
Surrogate: 4-Bromofluorobenzene	*52.2*		ug/L	*50.1*		*104*	*78-121*			
LCS Dup (1ID1376-BSD1)			Prepared: 04/24/25 00:00 Analyzed: 04/24/25 14:20							
2-Hexanone (MBK)	109.1	5.0	ug/L	100		109	76-139	1.75	15	
1,1,2,2-Tetrachloroethane	46.26	1.0	ug/L	50.1		92.3	81-124	1.10	30	
1,2-Dibromo-3-chloropropane	72.50	1.0	ug/L	50.1		145	77-128	1.87	30	Q2
Surrogate: Dibromofluoromethane	*52.9*		ug/L	*50.2*		*105*	*57-134*			
Surrogate: 1,2-Dichloroethane-d4	*55.4*		ug/L	*50.1*		*111*	*53-140*			
Surrogate: Toluene-d8	*49.4*		ug/L	*50.4*		*98.1*	*86-114*			
Surrogate: 4-Bromofluorobenzene	*51.6*		ug/L	*50.1*		*103*	*78-121*			
Matrix Spike (1ID1376-MS1)		**Source: 1ID1322-06RE1**	Prepared: 04/24/25 00:00 Analyzed: 04/24/25 22:10							
2-Hexanone (MBK)	1167	50.0	ug/L	1000	ND	117	63-152			
1,1,2,2-Tetrachloroethane	502.2	10.0	ug/L	501	ND	100	78-126			
1,2-Dibromo-3-chloropropane	749.3	10.0	ug/L	501	ND	149	63-138			M1
Surrogate: Dibromofluoromethane	*674*		ug/L	*502*		*134*	*57-134*			
Surrogate: 1,2-Dichloroethane-d4	*728*		ug/L	*501*		*145*	*53-140*			*S1*
Surrogate: Toluene-d8	*499*		ug/L	*504*		*99.1*	*86-114*			
Surrogate: 4-Bromofluorobenzene	*530*		ug/L	*501*		*106*	*78-121*			
Matrix Spike Dup (1ID1376-MSD1)		**Source: 1ID1322-06RE1**	Prepared: 04/24/25 00:00 Analyzed: 04/24/25 22:33							
2-Hexanone (MBK)	1288	50.0	ug/L	1000	ND	129	63-152	9.85	19	
1,1,2,2-Tetrachloroethane	554.7	10.0	ug/L	501	ND	111	78-126	9.93	13	
1,2-Dibromo-3-chloropropane	845.0	10.0	ug/L	501	ND	169	63-138	12.0	17	M1
Surrogate: 1,2-Dichloroethane-d4	*734*		ug/L	*501*		*147*	*53-140*			*S1*
Surrogate: Toluene-d8	*494*		ug/L	*504*		*98.1*	*86-114*			
Surrogate: 4-Bromofluorobenzene	*545*		ug/L	*501*		*109*	*78-121*			

Determination of General Solvents	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0448 - Semi-Vol GC - EPA 8015C										
Blank (1ID0448-BLK1)			Prepared: 04/09/25 10:16 Analyzed: 04/15/25 01:38							
Isobutanol	<1.0	1.0	mg/L							
LCS (1ID0448-BS1)			Prepared: 04/09/25 10:16 Analyzed: 04/14/25 21:51							
Isobutanol	26.69	1.0	mg/L	24.0		111	77-128			
Matrix Spike (1ID0448-MS1)		**Source: 1ID0938-05**	Prepared: 04/09/25 10:16 Analyzed: 04/15/25 07:18							

Determination of General Solvents	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0448 - Semi-Vol GC - EPA 8015C										
Matrix Spike (1ID0448-MS1)	**Source: 1ID0938-05**		Prepared: 04/09/25 10:16 Analyzed: 04/15/25 07:18							
Isobutanol	26.22	1.0	mg/L	24.0	ND	109	68-127			
Matrix Spike Dup (1ID0448-MSD1)	**Source: 1ID0938-05**		Prepared: 04/09/25 10:16 Analyzed: 04/15/25 07:55							
Isobutanol	26.15	1.0	mg/L	24.0	ND	109	68-127	0.267	30	

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0709 - 3520C BNA Cont Liq - EPA 8270C										
Blank (1ID0709-BLK1)			Prepared: 04/14/25 14:38 Analyzed: 04/18/25 11:56							
N-Nitrosodimethylamine	<8	8	ug/L							
Methyl Methanesulfonate	<8	8	ug/L							
N-Nitrosodiethylamine	<8	8	ug/L							
N-Nitrosomethylethylamine	<8	8	ug/L							
Ethyl Methanesulfonate	<8	8	ug/L							
Phenol	<8	8	ug/L							
Bis(2-Chloroethyl) Ether	<8	8	ug/L							
2-Chlorophenol	<8	8	ug/L							
Benzyl Alcohol	<8	8	ug/L							
2-Methylphenol (o-Cresol)	<8	8	ug/L							
Bis[2-Chloroisopropyl]ether	<8	8	ug/L							
n-Nitroso-di-n-propylamine	<8	8	ug/L							
N-Nitrosopyrrolidine	<8	8	ug/L							
Acetophenone	<8	8	ug/L							
o-Toluidine	<8	8	ug/L							
(3 & 4)-Methylphenol	<8	8	ug/L							
Hexachloroethane	<8	8	ug/L							
Nitrobenzene	<8	8	ug/L							
N-Nitrosopiperidine	<8	8	ug/L							
Isophorone	<8	8	ug/L							
2-Nitrophenol	<8	8	ug/L							
2,4-Dimethylphenol	<8	8	ug/L							
Bis (2-Chloroethoxy) Methane	<8	8	ug/L							
2,4-Dichlorophenol	<8	8	ug/L							
Naphthalene	<8	8	ug/L							
4-Chloroaniline	<8	8	ug/L							
2,6-Dichlorophenol	<8	8	ug/L							
Hexachloropropene	<8	8	ug/L							
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							

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0709 - 3520C BNA Cont Liq - EPA 8270C										
Blank (1ID0709-BLK1)				Prepared: 04/14/25 14:38 Analyzed: 04/18/25 11:56						
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							
Diallate	<8	8	ug/L							
1,3,5-Trinitrobenzene	<8	8	ug/L							
Phenacetin	<8	8	ug/L							
4-Bromophenyl Phenyl Ether	<8	8	ug/L							
4-Aminobiphenyl	<8	8	ug/L							
Pentachlorophenol	<8	8	ug/L							
Pronamide	<8	8	ug/L							

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0709 - 3520C BNA Cont Liq - EPA 8270C										
Blank (1ID0709-BLK1)			Prepared: 04/14/25 14:38 Analyzed: 04/18/25 11:56							
Pentachloronitrobenzene (PCNB)	<8	8	ug/L							
Phenanthrene	<8	8	ug/L							
Anthracene	<8	8	ug/L							
Di-n-butyl Phthalate	<8	8	ug/L							
Methapyrilene	<8	8	ug/L							
Fluoranthene	<8	8	ug/L							
Isodrin	<8	8	ug/L							
Chlorobenzilate	<8	8	ug/L							
Pyrene	<8	8	ug/L							
p-(Dimethylamino)azobenzene	<8	8	ug/L							
3,3-Dimethylbenzidine	<8	8	ug/L							
Butyl Benzyl Phthalate	<8	8	ug/L							
Benzo(a)anthracene	<8	8	ug/L							
Chrysene	<8	8	ug/L							
Bis(2-Ethylhexyl) Phthalate	7.3	6	ug/L							B1
Kepone	<8	8	ug/L							
3,3´-Dichlorobenzidine	<8	8	ug/L							
2-Acetylaminofluorene	<8	8	ug/L							
Di-n-octyl Phthalate	<8	8	ug/L							
Benzo(b)Fluoranthene	<8	8	ug/L							
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L							
Benzo(k)Fluoranthene	<8	8	ug/L							
Benzo(a)Pyrene	<8	8	ug/L							
3-Methylcholanthrene	<8	8	ug/L							
Dibenzo(a,h)anthracene	<8	8	ug/L							
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L							
Benzo(g,h,i)perylene	<8	8	ug/L							
Surrogate: 2-Fluorophenol	*14.2*		ug/L	*20.6*		*69.0*	*10-159*			
Surrogate: Phenol-d6	*13.8*		ug/L	*19.6*		*70.5*	*10-162*			
Surrogate: Nitrobenzene-d5	*15.0*		ug/L	*20.6*		*73.2*	*17-154*			
Surrogate: 2-Fluorobiphenyl	*15.4*		ug/L	*19.5*		*79.0*	*15-150*			
Surrogate: 2,4,6-Tribromophenol	*20.9*		ug/L	*20.0*		*104*	*10-156*			
Surrogate: Terphenyl-dl4	*20.6*		ug/L	*20.6*		*100*	*10-179*			
LCS (1ID0709-BS1)			Prepared: 04/14/25 14:38 Analyzed: 04/18/25 12:20							
N-Nitrosodimethylamine	<8	8	ug/L	10.0		57.2	12-122			
Methyl Methanesulfonate	12.5	8	ug/L	20.0		62.3	49-110			
N-Nitrosodiethylamine	12.6	8	ug/L	20.0		63.0	19-139			
N-Nitrosomethylethylamine	11.7	8	ug/L	20.0		58.4	13-158			
Ethyl Methanesulfonate	11.3	8	ug/L	20.0		56.6	50-110			
Phenol	<8	8	ug/L	10.0		59.3	15-130			

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0709 - 3520C BNA Cont Liq - EPA 8270C										
LCS (1ID0709-BS1)				Prepared: 04/14/25 14:38 Analyzed: 04/18/25 12:20						
Bis(2-Chloroethyl) Ether	<8	8	ug/L	10.0		60.8	28-128			
2-Chlorophenol	<8	8	ug/L	10.0		63.7	12-155			
Benzyl Alcohol	<8	8	ug/L	10.0		52.4	13-143			
2-Methylphenol (o-Cresol)	<8	8	ug/L	10.0		61.2	37-125			
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	10.0		65.3	31-130			
n-Nitroso-di-n-propylamine	<8	8	ug/L	10.0		64.7	38-128			
N-Nitrosopyrrolidine	12.8	8	ug/L	20.0		63.8	22-143			
Acetophenone	12.4	8	ug/L	20.0		62.0	52-120			
o-Toluidine	<8	8	ug/L	20.0		14.9	10-110			
(3 & 4)-Methylphenol	<8	8	ug/L	10.0		66.4	35-129			
Hexachloroethane	<8	8	ug/L	10.0		55.1	19-110			
Nitrobenzene	<8	8	ug/L	10.0		68.0	26-148			
N-Nitrosopiperidine	12.7	8	ug/L	20.0		63.5	23-140			
Isophorone	<8	8	ug/L	10.0		65.4	37-134			
2-Nitrophenol	<8	8	ug/L	10.0		64.8	37-127			
2,4-Dimethylphenol	<8	8	ug/L	10.0		71.2	36-131			
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	10.0		59.1	31-119			
2,4-Dichlorophenol	<8	8	ug/L	10.0		72.3	32-148			
Naphthalene	<8	8	ug/L	10.0		62.0	37-110			
2,6-Dichlorophenol	12.9	8	ug/L	20.0		64.4	28-154			
Hexachloropropene	<8	8	ug/L	20.0		26.6	10-110			
Hexachlorobutadiene	<8	8	ug/L	10.0		53.2	21-110			
N-Nitrosodi-n-butylamine	12.6	8	ug/L	20.0		62.8	24-135			
4-Chloro-3-methylphenol	<8	8	ug/L	10.0		79.1	32-146			
2-Methylnaphthalene	<8	8	ug/L	10.0		63.5	36-113			
Isosafrole	12.4	8	ug/L	20.0		62.2	43-117			
1,2,4,5-Tetrachlorobenzene	11.0	8	ug/L	20.0		54.9	34-110			
Hexachlorocyclopentadiene	<8	8	ug/L	10.0		21.1	10-110			
2,4,6-Trichlorophenol	<8	8	ug/L	10.0		77.8	32-159			
2,4,5-Trichlorophenol	8.8	8	ug/L	10.0		88.5	35-164			
Safrole	12.6	8	ug/L	20.0		62.9	34-122			
2-Chloronaphthalene	11.5	8	ug/L	10.0		115	18-136			
2-Nitroaniline	8.1	8	ug/L	10.0		80.6	35-151			
1,4-Naphthoquinone	15.3	8	ug/L	20.0		76.6	32-188			
Dimethylphthalate	8.4	8	ug/L	10.0		83.5	39-147			
1,3-Dinitrobenzene	8.2	8	ug/L	10.0		82.0	30-163			
1,2-Dinitrobenzene	<8	8	ug/L	10.0		79.0	31-159			
2,6-Dinitrotoluene	8.2	8	ug/L	10.0		81.7	42-144			
Acenaphthylene	<8	8	ug/L	10.0		65.1	35-122			
Acenaphthene	<8	8	ug/L	10.0		69.1	37-128			
2,4-Dinitrophenol	<8	8	ug/L	10.0		68.0	31-164			
4-Nitrophenol	9.5	8	ug/L	10.0		94.8	11-175			

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0709 - 3520C BNA Cont Liq - EPA 8270C										
LCS (1ID0709-BS1)			Prepared: 04/14/25 14:38 Analyzed: 04/18/25 12:20							
Dibenzofuran	<8	8	ug/L	10.0		72.3	36-132			
2,4-Dinitrotoluene	9.1	8	ug/L	10.0		91.1	45-142			
2,3,4,6-Tetrachlorophenol	8.6	8	ug/L	10.0		86.2	22-159			
Pentachlorobenzene	12.5	8	ug/L	20.0		62.6	45-125			
Diethyl Phthalate	9.3	8	ug/L	10.0		92.6	38-155			
Fluorene	<8	8	ug/L	10.0		75.4	40-131			
4-Chlorophenyl Phenyl Ether	<8	8	ug/L	10.0		74.3	36-130			
4-Nitroaniline	<8	8	ug/L	10.0		44.3	10-142			
5-Nitro-o-toluidine	<8	8	ug/L	20.0		38.6	10-172			
4,6-Dinitro-2-methylphenol	<8	8	ug/L	10.0		68.3	32-150			
N-Nitrosodiphenylamine	<8	8	ug/L	10.0		58.0	10-154			
Diphenylamine	<8	8	ug/L	10.0		58.0	10-166			
Azobenzene	<8	8	ug/L	10.0		76.4	33-144			
Diallate	14.4	8	ug/L	20.0		71.8	47-152			
1,3,5-Trinitrobenzene	17.7	8	ug/L	20.0		88.4	51-151			
Phenacetin	16.5	8	ug/L	20.0		82.6	58-143			
4-Bromophenyl Phenyl Ether	8.3	8	ug/L	10.0		83.1	38-141			
Pentachlorophenol	8.2	8	ug/L	10.0		81.8	21-154			
Pronamide	16.0	8	ug/L	20.0		80.0	27-143			
Pentachloronitrobenzene (PCNB)	19.0	8	ug/L	20.0		94.8	51-163			
Phenanthrene	8.4	8	ug/L	10.0		84.1	42-141			
Anthracene	<8	8	ug/L	10.0		78.8	43-136			
Di-n-butyl Phthalate	9.3	8	ug/L	10.0		92.8	44-158			
Fluoranthene	9.0	8	ug/L	10.0		90.2	44-145			
Isodrin	16.6	8	ug/L	20.0		83.1	54-126			
Chlorobenzilate	14.5	8	ug/L	20.0		72.6	25-164			
Pyrene	8.8	8	ug/L	10.0		87.9	37-155			
p-(Dimethylamino)azobenzene	11.0	8	ug/L	20.0		55.2	10-175			
Butyl Benzyl Phthalate	9.1	8	ug/L	10.0		91.4	35-163			
Benzo(a)anthracene	8.6	8	ug/L	10.0		86.1	40-142			
Chrysene	8.8	8	ug/L	10.0		88.2	45-142			
Bis(2-Ethylhexyl) Phthalate	12.2	6	ug/L	10.0		122	32-180			
2-Acetylaminofluorene	20.3	8	ug/L	20.0		102	27-177			
Di-n-octyl Phthalate	11.2	8	ug/L	10.0		112	32-181			
Benzo(b)Fluoranthene	10.9	8	ug/L	10.0		109	40-160			
7,12-Dimethylbenz [a] anthracene	15.8	8	ug/L	20.0		79.1	46-128			
Benzo(k)Fluoranthene	10.6	8	ug/L	10.0		106	42-159			
Benzo(a)Pyrene	9.5	8	ug/L	10.0		94.9	45-143			
3-Methylcholanthrene	9.0	8	ug/L	20.0		45.1	10-164			
Dibenzo(a,h)anthracene	11.1	8	ug/L	10.0		111	30-159			
Indeno(1,2,3-cd)Pyrene	10.9	8	ug/L	10.0		109	31-156			

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0709 - 3520C BNA Cont Liq - EPA 8270C										
LCS (1ID0709-BS1)			Prepared: 04/14/25 14:38 Analyzed: 04/18/25 12:20							
Benzo(g,h,i)perylene	10.8	8	ug/L	10.0		108	26-158			
Surrogate: 2-Fluorophenol	*12.7*		ug/L	*20.6*		*61.7*	*10-159*			
Surrogate: Phenol-d6	*12.9*		ug/L	*19.6*		*66.1*	*10-162*			
Surrogate: Nitrobenzene-d5	*14.5*		ug/L	*20.6*		*70.4*	*34-138*			
Surrogate: 2-Fluorobiphenyl	*15.1*		ug/L	*19.5*		*77.5*	*42-129*			
Surrogate: 2,4,6-Tribromophenol	*23.2*		ug/L	*20.0*		*115*	*10-156*			
Surrogate: Terphenyl-dl4	*22.1*		ug/L	*20.6*		*107*	*46-154*			
LCS Dup (1ID0709-BSD1)			Prepared: 04/14/25 14:38 Analyzed: 04/18/25 12:45							
N-Nitrosodimethylamine	<8	8	ug/L	10.0		61.8	12-122	7.73	27	
Methyl Methanesulfonate	12.9	8	ug/L	20.0		64.4	49-110	3.39	16	
N-Nitrosodiethylamine	13.4	8	ug/L	20.0		67.2	19-139	6.46	30	
N-Nitrosomethylethylamine	12.6	8	ug/L	20.0		62.8	13-158	7.25	30	
Ethyl Methanesulfonate	11.2	8	ug/L	20.0		55.8	50-110	1.51	17	
Phenol	<8	8	ug/L	10.0		62.5	15-130	5.25	30	
Bis(2-Chloroethyl) Ether	<8	8	ug/L	10.0		61.4	28-128	0.982	24	
2-Chlorophenol	<8	8	ug/L	10.0		66.6	12-155	4.45	30	
Benzyl Alcohol	<8	8	ug/L	10.0		59.4	13-143	12.5	30	
2-Methylphenol (o-Cresol)	<8	8	ug/L	10.0		64.9	37-125	5.87	30	
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	10.0		69.2	31-130	5.80	26	
n-Nitroso-di-n-propylamine	<8	8	ug/L	10.0		69.8	38-128	7.58	21	
N-Nitrosopyrrolidine	13.4	8	ug/L	20.0		66.8	22-143	4.44	30	
Acetophenone	12.6	8	ug/L	20.0		63.2	52-120	1.92	22	
o-Toluidine	<8	8	ug/L	20.0		36.0	10-110	82.9	30	R1
(3 & 4)-Methylphenol	<8	8	ug/L	10.0		68.0	35-129	2.38	30	
Hexachloroethane	<8	8	ug/L	10.0		61.8	19-110	11.5	30	
Nitrobenzene	<8	8	ug/L	10.0		72.5	26-148	6.41	30	
N-Nitrosopiperidine	13.8	8	ug/L	20.0		69.2	23-140	8.66	30	
Isophorone	<8	8	ug/L	10.0		68.0	37-134	3.90	26	
2-Nitrophenol	<8	8	ug/L	10.0		70.7	37-127	8.71	30	
2,4-Dimethylphenol	<8	8	ug/L	10.0		76.1	36-131	6.65	30	
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	10.0		60.7	31-119	2.67	30	
2,4-Dichlorophenol	<8	8	ug/L	10.0		75.5	32-148	4.33	30	
Naphthalene	<8	8	ug/L	10.0		67.0	37-110	7.75	30	
2,6-Dichlorophenol	13.0	8	ug/L	20.0		64.9	28-154	0.696	30	
Hexachloropropene	<8	8	ug/L	20.0		26.4	10-110	0.944	30	
Hexachlorobutadiene	<8	8	ug/L	10.0		61.9	21-110	15.1	30	
N-Nitrosodi-n-butylamine	13.1	8	ug/L	20.0		65.4	24-135	3.98	30	
4-Chloro-3-methylphenol	8.1	8	ug/L	10.0		80.8	32-146	2.13	30	
2-Methylnaphthalene	<8	8	ug/L	10.0		68.7	36-113	7.87	26	
Isosafrole	12.5	8	ug/L	20.0		62.4	43-117	0.401	29	
1,2,4,5-Tetrachlorobenzene	10.7	8	ug/L	20.0		53.7	34-110	2.21	30	
Hexachlorocyclopentadiene	<8	8	ug/L	10.0		33.1	10-110	44.3	30	R1

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0709 - 3520C BNA Cont Liq - EPA 8270C										
LCS Dup (1ID0709-BSD1)		Prepared: 04/14/25 14:38 Analyzed: 04/18/25 12:45								
2,4,6-Trichlorophenol	8.0	8	ug/L	10.0		79.9	32-159	2.66	30	
2,4,5-Trichlorophenol	8.8	8	ug/L	10.0		88.5	35-164	0.00	30	
Safrole	12.1	8	ug/L	20.0		60.5	34-122	3.89	30	
2-Chloronaphthalene	11.6	8	ug/L	10.0		116	18-136	0.777	30	
2-Nitroaniline	8.2	8	ug/L	10.0		82.4	35-151	2.21	21	
1,4-Naphthoquinone	16.3	8	ug/L	20.0		81.7	32-188	6.44	30	
Dimethylphthalate	8.5	8	ug/L	10.0		84.6	39-147	1.31	22	
1,3-Dinitrobenzene	8.6	8	ug/L	10.0		85.5	30-163	4.18	26	
1,2-Dinitrobenzene	8.0	8	ug/L	10.0		80.5	31-159	1.88	26	
2,6-Dinitrotoluene	8.3	8	ug/L	10.0		83.4	42-144	2.06	20	
Acenaphthylene	<8	8	ug/L	10.0		67.2	35-122	3.17	30	
Acenaphthene	<8	8	ug/L	10.0		72.1	37-128	4.25	30	
2,4-Dinitrophenol	<8	8	ug/L	10.0		59.7	31-164	13.0	30	
4-Nitrophenol	9.5	8	ug/L	10.0		94.9	11-175	0.105	30	
Dibenzofuran	<8	8	ug/L	10.0		73.4	36-132	1.51	30	
2,4-Dinitrotoluene	9.1	8	ug/L	10.0		91.0	45-142	0.110	20	
2,3,4,6-Tetrachlorophenol	8.5	8	ug/L	10.0		85.3	22-159	1.05	30	
Pentachlorobenzene	11.9	8	ug/L	20.0		59.7	45-125	4.82	30	
Diethyl Phthalate	9.4	8	ug/L	10.0		94.1	38-155	1.61	30	
Fluorene	<8	8	ug/L	10.0		78.6	40-131	4.16	30	
4-Chlorophenyl Phenyl Ether	<8	8	ug/L	10.0		78.0	36-130	4.86	22	
4-Nitroaniline	<8	8	ug/L	10.0		59.8	10-142	29.8	30	
5-Nitro-o-toluidine	<8	8	ug/L	20.0		33.2	10-172	15.2	30	
4,6-Dinitro-2-methylphenol	<8	8	ug/L	10.0		72.3	32-150	5.69	30	
N-Nitrosodiphenylamine	<8	8	ug/L	10.0		68.4	10-154	16.5	30	
Diphenylamine	<8	8	ug/L	10.0		68.4	10-166	16.5	30	
Azobenzene	8.1	8	ug/L	10.0		80.6	33-144	5.35	27	
Diallate	13.6	8	ug/L	20.0		67.9	47-152	5.58	30	
1,3,5-Trinitrobenzene	17.4	8	ug/L	20.0		86.8	51-151	1.88	30	
Phenacetin	16.2	8	ug/L	20.0		80.8	58-143	2.14	24	
4-Bromophenyl Phenyl Ether	8.7	8	ug/L	10.0		86.7	38-141	4.24	17	
Pentachlorophenol	8.4	8	ug/L	10.0		83.9	21-154	2.53	30	
Pronamide	16.5	8	ug/L	20.0		82.4	27-143	3.02	30	
Pentachloronitrobenzene (PCNB)	18.1	8	ug/L	20.0		90.7	51-163	4.37	30	
Phenanthrene	8.5	8	ug/L	10.0		84.9	42-141	0.947	30	
Anthracene	<8	8	ug/L	10.0		78.8	43-136	0.00	30	
Di-n-butyl Phthalate	9.3	8	ug/L	10.0		92.8	44-158	0.00	23	
Fluoranthene	8.9	8	ug/L	10.0		88.6	44-145	1.79	26	
Isodrin	16.4	8	ug/L	20.0		82.0	54-126	1.39	30	
Chlorobenzilate	16.7	8	ug/L	20.0		83.5	25-164	13.9	30	
Pyrene	9.2	8	ug/L	10.0		92.4	37-155	4.99	24	

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0709 - 3520C BNA Cont Liq - EPA 8270C										
LCS Dup (1ID0709-BSD1)			Prepared: 04/14/25 14:38 Analyzed: 04/18/25 12:45							
p-(Dimethylamino)azobenzene	14.6	8	ug/L	20.0		73.0	10-175	27.8	30	
Butyl Benzyl Phthalate	9.4	8	ug/L	10.0		93.6	35-163	2.38	21	
Benzo(a)anthracene	8.8	8	ug/L	10.0		88.3	40-142	2.52	20	
Chrysene	9.0	8	ug/L	10.0		90.1	45-142	2.13	30	
Bis(2-Ethylhexyl) Phthalate	11.3	6	ug/L	10.0		113	32-180	7.31	30	
2-Acetylaminofluorene	19.0	8	ug/L	20.0		95.0	27-177	6.56	30	
Di-n-octyl Phthalate	9.8	8	ug/L	10.0		98.3	32-181	12.7	16	
Benzo(b)Fluoranthene	9.7	8	ug/L	10.0		96.9	40-160	11.6	24	
7,12-Dimethylbenz [a] anthracene	14.1	8	ug/L	20.0		70.4	46-128	11.7	30	
Benzo(k)Fluoranthene	9.6	8	ug/L	10.0		95.8	42-159	9.92	20	
Benzo(a)Pyrene	8.8	8	ug/L	10.0		88.2	45-143	7.32	30	
3-Methylcholanthrene	10.4	8	ug/L	20.0		52.0	10-164	14.2	30	
Dibenzo(a,h)anthracene	10.0	8	ug/L	10.0		100	30-159	9.87	26	
Indeno(1,2,3-cd)Pyrene	10.1	8	ug/L	10.0		101	31-156	7.92	30	
Benzo(g,h,i)perylene	10.2	8	ug/L	10.0		102	26-158	6.38	30	
Surrogate: 2-Fluorophenol	*12.7*		ug/L	*20.6*		*61.7*	*10-159*			
Surrogate: Phenol-d6	*13.2*		ug/L	*19.6*		*67.6*	*10-162*			
Surrogate: Nitrobenzene-d5	*15.0*		ug/L	*20.6*		*72.9*	*34-138*			
Surrogate: 2-Fluorobiphenyl	*15.0*		ug/L	*19.5*		*76.8*	*42-129*			
Surrogate: 2,4,6-Tribromophenol	*22.7*		ug/L	*20.0*		*113*	*10-156*			
Surrogate: Terphenyl-dl4	*22.3*		ug/L	*20.6*		*108*	*46-154*			

Determination of Organophosphorus Insecticides	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0955 - 3510C NP/OC Sep Fnl - EPA 8141										
Blank (1ID0955-BLK1)			Prepared: 04/17/25 14:43 Analyzed: 04/21/25 13:31							
O,O,O-Triethyl phosphorothioate	<0.4	0.4	ug/L							
Thionazin	<0.4	0.4	ug/L							
Phorate	<0.4	0.4	ug/L							
Dimethoate	<0.4	0.4	ug/L							
Disulfoton	<0.4	0.4	ug/L							
Methyl Parathion	<0.4	0.4	ug/L							
Parathion	<0.4	0.4	ug/L							
Famphur	<0.4	0.4	ug/L							
Surrogate: 2-Nitro-m-xylene	*7.96*		ug/L	*13.9*		*57.2*	*32-110*			
LCS (1ID0955-BS1)			Prepared: 04/17/25 14:43 Analyzed: 04/21/25 16:19							
O,O,O-Triethyl phosphorothioate	2.62	0.4	ug/L	4.00		65.5	31-156			
Thionazin	3.08	0.4	ug/L	4.00		77.0	60-128			

Determination of Organophosphorus Insecticides	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0955 - 3510C NP/OC Sep Fnl - EPA 8141										
LCS (1ID0955-BS1)			Prepared: 04/17/25 14:43 Analyzed: 04/21/25 16:19							
Phorate	3.42	0.4	ug/L	4.00		85.4	33-143			
Dimethoate	4.89	0.4	ug/L	4.00		122	60-172			
Disulfoton	3.28	0.4	ug/L	4.00		81.9	51-134			
Methyl Parathion	3.14	0.4	ug/L	4.00		78.5	65-121			
Parathion	2.76	0.4	ug/L	4.00		69.0	60-113			
Famphur	3.92	0.4	ug/L	4.00		98.1	65-133			
Surrogate: 2-Nitro-m-xylene	*11.9*		ug/L	*13.9*		*85.2*	*32-110*			
LCS Dup (1ID0955-BSD1)			Prepared: 04/17/25 14:43 Analyzed: 04/22/25 10:37							
O,O,O-Triethyl phosphorothioate	2.98	0.4	ug/L	4.00		74.5	31-156	12.9	30	
Thionazin	3.33	0.4	ug/L	4.00		83.2	60-128	7.80	30	
Phorate	2.68	0.4	ug/L	4.00		66.9	33-143	24.3	30	
Dimethoate	5.22	0.4	ug/L	4.00		130	60-172	6.43	30	
Disulfoton	2.78	0.4	ug/L	4.00		69.4	51-134	16.5	30	
Methyl Parathion	3.22	0.4	ug/L	4.00		80.6	65-121	2.67	30	
Parathion	2.83	0.4	ug/L	4.00		70.8	60-113	2.50	26	
Famphur	3.92	0.4	ug/L	4.00		98.0	65-133	0.127	30	
Surrogate: 2-Nitro-m-xylene	*8.68*		ug/L	*13.9*		*62.4*	*32-110*			
Reference (1ID0955-SRM1)			Prepared: 04/17/25 14:43 Analyzed: 04/21/25 17:43							
O,O,O-Triethyl phosphorothioate	3.44	0.4	ug/L	4.00		86.0	80-120			
Thionazin	3.76	0.4	ug/L	4.00		94.0	80-120			
Phorate	4.34	0.4	ug/L	4.00		108	80-120			
Dimethoate	4.82	0.4	ug/L	4.00		120	80-120			
Disulfoton	4.69	0.4	ug/L	4.00		117	80-120			
Methyl Parathion	3.86	0.4	ug/L	4.00		96.5	80-120			
Parathion	3.29	0.4	ug/L	4.00		82.2	80-120			
Famphur	4.62	0.4	ug/L	4.00		116	80-120			
Surrogate: 2-Nitro-m-xylene	*10.0*		ug/L	*13.9*		*72.1*	*32-110*			

Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0894 - EPA 8151A - EPA 8151A										
Blank (1ID0894-BLK1)			Prepared: 04/16/25 16:05 Analyzed: 04/17/25 19:01							
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	*1.48*		ug/L	*1.81*		*81.8*	*49-174*			

Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0894 - EPA 8151A - EPA 8151A										
LCS (1ID0894-BS1)			Prepared: 04/16/25 16:05 Analyzed: 04/17/25 20:02							
2,4-D	<2.0	2.0	ug/L	1.00		70.7	38-135			
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	0.500		77.4	50-137			
2,4,5-T	<0.5	0.5	ug/L	0.500		80.9	49-157			
Dinoseb	0.76	0.5	ug/L	1.00		75.7	10-129			
Surrogate: 2,5-Dichlorobenzoic Acid	*1.58*		ug/L	*1.81*		*87.6*	*49-174*			
LCS Dup (1ID0894-BSD1)			Prepared: 04/16/25 16:05 Analyzed: 04/17/25 20:32							
2,4-D	<2.0	2.0	ug/L	1.00		71.2	38-135	0.823	30	
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	0.500		76.3	50-137	1.48	30	
2,4,5-T	<0.5	0.5	ug/L	0.500		77.0	49-157	4.87	30	
Dinoseb	0.62	0.5	ug/L	1.00		61.9	10-129	20.1	30	
Surrogate: 2,5-Dichlorobenzoic Acid	*1.43*		ug/L	*1.81*		*79.2*	*49-174*			

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0954 - 3510C NP/OC Sep Fnl - EPA 8081										
Blank (1ID0954-BLK1)			Prepared: 04/17/25 14:41 Analyzed: 04/21/25 14:14							
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	*0.434*		ug/L	*0.600*		*72.3*	*45-111*			
LCS (1ID0954-BS1)			Prepared: 04/17/25 14:41 Analyzed: 04/21/25 16:29							

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0954 - 3510C NP/OC Sep Fnl - EPA 8081										
LCS (1ID0954-BS1)				Prepared: 04/17/25 14:41 Analyzed: 04/21/25 16:29						
Alpha-BHC	0.217	0.05	ug/L	0.250		86.7	60-125			
Gamma-BHC [Lindane]	0.248	0.05	ug/L	0.250		99.2	60-130			
Beta-BHC	0.226	0.05	ug/L	0.250		90.2	63-118			
Heptachlor	0.228	0.05	ug/L	0.250		91.1	67-130			
Delta-BHC	0.240	0.05	ug/L	0.250		96.2	65-143			
Aldrin	0.218	0.05	ug/L	0.250		87.3	59-114			
Heptachlor Epoxide	0.240	0.05	ug/L	0.250		96.0	56-129			
Endosulfan I	0.242	0.05	ug/L	0.250		96.8	64-134			
4,4`-DDE	0.233	0.05	ug/L	0.250		93.3	66-128			
Dieldrin	0.248	0.05	ug/L	0.250		99.0	62-121			
Endrin	0.255	0.05	ug/L	0.250		102	27-177			
4,4`-DDD	0.256	0.05	ug/L	0.250		102	64-131			
Endosulfan II	0.253	0.05	ug/L	0.250		101	68-130			
4,4`-DDT	0.246	0.05	ug/L	0.250		98.3	64-145			
Endrin Aldehyde	0.234	0.05	ug/L	0.250		93.5	50-135			
Endosulfan Sulfate	0.238	0.05	ug/L	0.250		95.2	72-121			
Methoxychlor	0.247	0.05	ug/L	0.250		98.7	60-157			
Surrogate: Tetrachloro-m-xylene	*0.440*		ug/L	*0.600*		*73.3*	*45-111*			
LCS Dup (1ID0954-BSD1)				Prepared: 04/17/25 14:41 Analyzed: 04/21/25 16:43						
Alpha-BHC	0.225	0.05	ug/L	0.250		89.9	60-125	3.66	30	
Gamma-BHC [Lindane]	0.256	0.05	ug/L	0.250		103	60-130	3.38	30	
Beta-BHC	0.239	0.05	ug/L	0.250		95.7	63-118	5.87	30	
Heptachlor	0.237	0.05	ug/L	0.250		94.8	67-130	4.01	30	
Delta-BHC	0.246	0.05	ug/L	0.250		98.3	65-143	2.25	30	
Aldrin	0.221	0.05	ug/L	0.250		88.5	59-114	1.37	30	
Heptachlor Epoxide	0.243	0.05	ug/L	0.250		97.1	56-129	1.19	30	
Endosulfan I	0.220	0.05	ug/L	0.250		88.1	64-134	9.36	30	
4,4`-DDE	0.218	0.05	ug/L	0.250		87.0	66-128	7.00	30	
Dieldrin	0.249	0.05	ug/L	0.250		99.7	62-121	0.656	30	
Endrin	0.259	0.05	ug/L	0.250		103	27-177	1.52	30	
4,4`-DDD	0.260	0.05	ug/L	0.250		104	64-131	1.48	30	
Endosulfan II	0.256	0.05	ug/L	0.250		102	68-130	1.07	30	
4,4`-DDT	0.249	0.05	ug/L	0.250		99.7	64-145	1.44	30	
Endrin Aldehyde	0.236	0.05	ug/L	0.250		94.5	50-135	1.04	30	
Endosulfan Sulfate	0.247	0.05	ug/L	0.250		98.7	72-121	3.62	30	
Methoxychlor	0.249	0.05	ug/L	0.250		99.6	60-157	0.930	30	
Surrogate: Tetrachloro-m-xylene	*0.452*		ug/L	*0.600*		*75.3*	*45-111*			
Reference (1ID0954-SRM1)				Prepared: 04/17/25 14:41 Analyzed: 04/21/25 16:58						
Alpha-BHC	0.239	0.05	ug/L	0.250		95.4	80-120			
Gamma-BHC [Lindane]	0.269	0.05	ug/L	0.250		108	80-120			

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0954 - 3510C NP/OC Sep Fnl - EPA 8081										
Reference (1ID0954-SRM1)			Prepared: 04/17/25 14:41 Analyzed: 04/21/25 16:58							
Beta-BHC	0.248	0.05	ug/L	0.250		99.1	80-120			
Heptachlor	0.258	0.05	ug/L	0.250		103	80-120			
Delta-BHC	0.258	0.05	ug/L	0.250		103	80-120			
Aldrin	0.245	0.05	ug/L	0.250		98.2	80-120			
Heptachlor Epoxide	0.252	0.05	ug/L	0.250		101	80-120			
Endosulfan I	0.242	0.05	ug/L	0.250		96.9	80-120			
4,4`-DDE	0.221	0.05	ug/L	0.250		88.5	80-120			
Dieldrin	0.251	0.05	ug/L	0.250		100	80-120			
Endrin	0.256	0.05	ug/L	0.250		103	80-120			
4,4`-DDD	0.289	0.05	ug/L	0.250		116	80-120			
Endosulfan II	0.262	0.05	ug/L	0.250		105	80-120			
4,4`-DDT	0.226	0.05	ug/L	0.250		90.4	80-120			
Endrin Aldehyde	0.279	0.05	ug/L	0.250		112	80-120			
Endosulfan Sulfate	0.254	0.05	ug/L	0.250		102	80-120			
Methoxychlor	0.219	0.05	ug/L	0.250		87.5	80-120			
Hexachlorobenzene	0.238	0.05	ug/L	0.250		95.0	80-120			
Surrogate: Tetrachloro-m-xylene	*0.553*		ug/L	*0.600*		*92.1*	*45-111*			

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0953 - 3510C NP/OC Sep Fnl - EPA 8082										
Blank (1ID0953-BLK1)			Prepared: 04/17/25 14:37 Analyzed: 04/21/25 14:14							
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	*0.490*		ug/L	*0.600*		*81.6*	*50-116*			
Surrogate: Decachlorobiphenyl	*0.394*		ug/L	*0.600*		*65.7*	*38-122*			
LCS (1ID0953-BS1)			Prepared: 04/17/25 14:37 Analyzed: 04/21/25 15:14							
Arochlor 1016	2.553	0.20	ug/L	2.60		98.2	54-124			
Arochlor 1260	2.810	0.20	ug/L	2.60		108	66-138			
Surrogate: Tetrachloro-m-xylene	*0.559*		ug/L	*0.600*		*93.2*	*50-116*			
Surrogate: Decachlorobiphenyl	*0.561*		ug/L	*0.600*		*93.5*	*38-122*			
LCS Dup (1ID0953-BSD1)			Prepared: 04/17/25 14:37 Analyzed: 04/21/25 15:29							

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0953 - 3510C NP/OC Sep Fnl - EPA 8082										
LCS Dup (1ID0953-BSD1)				Prepared: 04/17/25 14:37 Analyzed: 04/21/25 15:29						
Arochlor 1016	2.562	0.20	ug/L	2.60		98.6	54-124	0.371	20	
Arochlor 1260	2.797	0.20	ug/L	2.60		108	66-138	0.450	24	
Surrogate: Tetrachloro-m-xylene	*0.533*		ug/L	*0.600*		*88.9*	*50-116*			
Surrogate: Decachlorobiphenyl	*0.495*		ug/L	*0.600*		*82.5*	*38-122*			
Reference (1ID0953-SRM1)				Prepared: 04/17/25 14:37 Analyzed: 04/21/25 16:15						
Arochlor 1016	2.733	0.20	ug/L	2.60		105	80-120			
Arochlor 1260	2.839	0.20	ug/L	2.60		109	80-120			
Surrogate: Tetrachloro-m-xylene	*0.630*		ug/L	*0.600*		*105*	*50-116*			
Surrogate: Decachlorobiphenyl	*0.630*		ug/L	*0.600*		*105*	*38-122*			

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0572 - Wet Chem Preparation - EPA 9014										
Blank (1ID0572-BLK1)				Prepared: 04/10/25 15:58 Analyzed: 04/17/25 15:01						
Cyanide, total	<0.010	0.010	mg/L							
LCS (1ID0572-BS1)				Prepared: 04/10/25 15:58 Analyzed: 04/17/25 15:01						
Cyanide, total	0.0276	0.010	mg/L	0.0300		91.9	64-125			
Matrix Spike (1ID0572-MS1)	**Source: 1ID0938-05**			Prepared: 04/10/25 15:58 Analyzed: 04/17/25 15:01						
Cyanide, total	0.0271	0.010	mg/L	0.0300	ND	90.3	64-134			
Matrix Spike Dup (1ID0572-MSD1)	**Source: 1ID0938-05**			Prepared: 04/10/25 15:58 Analyzed: 04/17/25 15:01						
Cyanide, total	0.0174	0.010	mg/L	0.0300	ND	57.9	64-134	43.8	25	M2
Batch 1ID0962 - Wet Chem Preparation - EPA 376.2										
Blank (1ID0962-BLK1)				Prepared: 04/17/25 15:24 Analyzed: 04/17/25 16:58						
Sulfide, total	<0.10	0.10	mg/L							
LCS (1ID0962-BS1)				Prepared: 04/17/25 15:24 Analyzed: 04/17/25 16:58						
Sulfide, total	0.163	0.10	mg/L	0.16		103	56-118			
Matrix Spike (1ID0962-MS1)	**Source: 1ID1322-06**			Prepared: 04/17/25 15:24 Analyzed: 04/17/25 16:58						
Sulfide, total	0.183	0.10	mg/L	0.16	ND	116	50-150			
Matrix Spike Dup (1ID0962-MSD1)	**Source: 1ID1322-06**			Prepared: 04/17/25 15:24 Analyzed: 04/17/25 16:58						
Sulfide, total	0.183	0.10	mg/L	0.16	ND	116	50-150	0.00	30	

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1124 - EPA 7470A Hg Water - EPA 7470A										

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1124 - EPA 7470A Hg Water - EPA 7470A										
Blank (1ID1124-BLK1)			Prepared: 04/22/25 06:40 Analyzed: 04/22/25 13:06							
Mercury, total	<0.00050	0.00050	mg/L							
LCS (1ID1124-BS1)			Prepared: 04/22/25 06:40 Analyzed: 04/22/25 13:09							
Mercury, total	0.00207	0.00050	mg/L	0.00250		82.9	80-120			
Matrix Spike (1ID1124-MS1)		**Source: 1ID1193-01**	Prepared: 04/22/25 06:40 Analyzed: 04/22/25 14:00							
Mercury, total	0.00259	0.00050	mg/L	0.00250	ND	104	75-125			
Matrix Spike Dup (1ID1124-MSD1)		**Source: 1ID1193-01**	Prepared: 04/22/25 06:40 Analyzed: 04/22/25 14:03							
Mercury, total	0.00287	0.00050	mg/L	0.00250	ND	115	75-125	10.0	20	
Batch 1IF0075 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IF0075-BLK1)			Prepared: 06/02/25 16:18 Analyzed: 06/20/25 23:47							
Antimony, total	<0.0010	0.0010	mg/L							
Arsenic, total	<0.0020	0.0020	mg/L							
Barium, total	<0.0010	0.0010	mg/L							
Beryllium, total	<0.0005	0.0005	mg/L							
Cadmium, total	<0.0002	0.0002	mg/L							
Chromium, total	<0.0010	0.0010	mg/L							B
Cobalt, total	<0.0005	0.0005	mg/L							
Copper, total	<0.0050	0.0050	mg/L							
Lead, total	<0.0010	0.0010	mg/L							
Nickel, total	<0.0050	0.0050	mg/L							
Selenium, total	<0.0020	0.0020	mg/L							
Silver, total	<0.0050	0.0050	mg/L							
Thallium, total	<0.0005	0.0005	mg/L							
Tin, total	<0.0050	0.0050	mg/L							
Vanadium, total	<0.0020	0.0020	mg/L							
Zinc, total	<0.0050	0.0050	mg/L							
LCS (1IF0075-BS1)			Prepared: 06/02/25 16:18 Analyzed: 06/20/25 23:50							
Antimony, total	0.111	0.0010	mg/L	0.100		111	80-120			
Arsenic, total	0.0996	0.0020	mg/L	0.100		99.6	80-120			
Barium, total	0.116	0.0010	mg/L	0.100		116	80-120			
Beryllium, total	0.105	0.0005	mg/L	0.100		105	80-120			
Cadmium, total	0.106	0.0002	mg/L	0.100		106	80-120			
Chromium, total	0.116	0.0010	mg/L	0.100		116	80-120			
Cobalt, total	0.117	0.0005	mg/L	0.100		117	80-120			
Copper, total	0.0924	0.0050	mg/L	0.100		92.4	80-120			
Lead, total	0.104	0.0010	mg/L	0.100		104	80-120			
Nickel, total	0.0904	0.0050	mg/L	0.100		90.4	80-120			
Selenium, total	0.1039	0.0020	mg/L	0.100		104	80-120			
Silver, total	0.113	0.0050	mg/L	0.100		113	80-120			
Thallium, total	0.110	0.0005	mg/L	0.100		110	80-120			
Tin, total	0.113	0.0050	mg/L	0.100		113	80-120			
Vanadium, total	0.119	0.0020	mg/L	0.100		119	80-120			

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IF0075 - EPA 3005A Total Recoverable Metals - EPA 6020A										
LCS (1IF0075-BS1)				Prepared: 06/02/25 16:18 Analyzed: 06/20/25 23:50						
Zinc, total	0.0958	0.0050	mg/L	0.100		95.8	80-120			
Matrix Spike (1IF0075-MS1)		**Source: 1ID1322-01**		Prepared: 06/02/25 16:18 Analyzed: 06/20/25 23:55						
Antimony, total	0.107	0.0010	mg/L	0.100	ND	107	75-125			
Arsenic, total	0.0957	0.0020	mg/L	0.100	ND	95.7	75-125			
Barium, total	0.204	0.0010	mg/L	0.100	0.0901	114	75-125			
Beryllium, total	0.108	0.0005	mg/L	0.100	ND	108	75-125			
Cadmium, total	0.102	0.0002	mg/L	0.100	0.0001	102	75-125			
Chromium, total	0.111	0.0010	mg/L	0.100	0.0009	110	75-125			
Cobalt, total	0.108	0.0005	mg/L	0.100	0.0001	108	75-125			
Copper, total	0.0850	0.0050	mg/L	0.100	ND	85.0	75-125			
Lead, total	0.104	0.0010	mg/L	0.100	ND	104	75-125			
Nickel, total	0.0844	0.0050	mg/L	0.100	0.0008	83.7	75-125			
Selenium, total	0.1012	0.0020	mg/L	0.100	ND	101	75-125			
Silver, total	0.110	0.0050	mg/L	0.100	ND	110	75-125			
Thallium, total	0.110	0.0005	mg/L	0.100	ND	110	75-125			
Tin, total	0.111	0.0050	mg/L	0.100	ND	111	75-125			
Vanadium, total	0.120	0.0020	mg/L	0.100	ND	120	75-125			
Zinc, total	0.104	0.0050	mg/L	0.100	0.0162	88.2	75-125			
Matrix Spike Dup (1IF0075-MSD1)		**Source: 1ID1322-01**		Prepared: 06/02/25 16:18 Analyzed: 06/21/25 00:02						
Antimony, total	0.106	0.0010	mg/L	0.100	ND	106	75-125	0.352	20	
Arsenic, total	0.0975	0.0020	mg/L	0.100	ND	97.5	75-125	1.84	20	
Barium, total	0.205	0.0010	mg/L	0.100	0.0901	114	75-125	0.0313	20	
Beryllium, total	0.107	0.0005	mg/L	0.100	ND	107	75-125	1.49	20	
Cadmium, total	0.103	0.0002	mg/L	0.100	0.0001	103	75-125	0.667	20	
Chromium, total	0.112	0.0010	mg/L	0.100	0.0009	111	75-125	1.30	20	
Cobalt, total	0.108	0.0005	mg/L	0.100	0.0001	108	75-125	0.0501	20	
Copper, total	0.0868	0.0050	mg/L	0.100	ND	86.8	75-125	2.01	20	
Lead, total	0.103	0.0010	mg/L	0.100	ND	103	75-125	0.563	20	
Nickel, total	0.0862	0.0050	mg/L	0.100	0.0008	85.5	75-125	2.10	20	
Selenium, total	0.1024	0.0020	mg/L	0.100	ND	102	75-125	1.19	20	
Silver, total	0.111	0.0050	mg/L	0.100	ND	111	75-125	0.794	20	
Thallium, total	0.108	0.0005	mg/L	0.100	ND	108	75-125	1.29	20	
Tin, total	0.111	0.0050	mg/L	0.100	ND	111	75-125	0.324	20	
Vanadium, total	0.118	0.0020	mg/L	0.100	ND	118	75-125	1.65	20	
Zinc, total	0.106	0.0050	mg/L	0.100	0.0162	89.8	75-125	1.54	20	
Post Spike (1IF0075-PS1)		**Source: 1ID1322-01**		Prepared: 06/02/25 16:18 Analyzed: 06/21/25 00:04						
Antimony, total	0.0196		mg/L	0.0200	0.0002	97.3	80-120			
Arsenic, total	0.0191		mg/L	0.0200	-0.00008	95.3	80-120			
Barium, total	0.108		mg/L	0.0200	0.0883	99.1	80-120			
Beryllium, total	0.0211		mg/L	0.0200	0.00002	105	80-120			
Cadmium, total	0.0198		mg/L	0.0200	0.0001	98.1	80-120			
Chromium, total	0.0214		mg/L	0.0200	0.0009	103	80-120			
Cobalt, total	0.0201		mg/L	0.0200	0.0001	99.9	80-120			

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IF0075 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Post Spike (1IF0075-PS1)		**Source: 1ID1322-01**		Prepared: 06/02/25 16:18 Analyzed: 06/21/25 00:04						
Copper, total	0.0178		mg/L	0.0200	0.0008	84.9	80-120			
Lead, total	0.0196		mg/L	0.0200	0.00008	97.5	80-120			
Nickel, total	0.0169		mg/L	0.0200	0.0008	80.9	80-120			
Selenium, total	0.0199		mg/L	0.0200	0.0002	98.4	80-120			
Silver, total	0.0208		mg/L	0.0200	0.00002	104	80-120			
Thallium, total	0.0200		mg/L	0.0200	0.00002	100	80-120			
Tin, total	0.0202		mg/L	0.0200	0.0002	99.9	75-125			
Vanadium, total	0.0214		mg/L	0.0200	0.00002	107	80-120			
Zinc, total	0.0329		mg/L	0.0200	0.0159	84.8	80-120			
Batch 1IF1340 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IF1340-BLK1)				Prepared: 06/25/25 09:33 Analyzed: 06/25/25 22:34						
Barium, total	<0.0010	0.0010	mg/L							
Cobalt, total	<0.0005	0.0005	mg/L							
Nickel, total	<0.0050	0.0050	mg/L							
LCS (1IF1340-BS1)				Prepared: 06/25/25 09:33 Analyzed: 06/25/25 22:42						
Barium, total	0.112	0.0010	mg/L	0.100		112	80-120			
Cobalt, total	0.107	0.0005	mg/L	0.100		107	80-120			
Nickel, total	0.0884	0.0050	mg/L	0.100		88.4	80-120			
Matrix Spike (1IF1340-MS1)		**Source: 1ID0938-06RE1**		Prepared: 06/25/25 09:33 Analyzed: 06/25/25 22:49						
Barium, total	0.342	0.0010	mg/L	0.100	0.206	136	75-125			M1
Cobalt, total	0.102	0.0005	mg/L	0.100	0.0006	101	75-125			
Nickel, total	0.106	0.0050	mg/L	0.100	0.0247	81.3	75-125			
Matrix Spike Dup (1IF1340-MSD1)		**Source: 1ID0938-06RE1**		Prepared: 06/25/25 09:33 Analyzed: 06/25/25 22:52						
Barium, total	0.365	0.0010	mg/L	0.100	0.206	159	75-125	6.50	20	M1
Cobalt, total	0.104	0.0005	mg/L	0.100	0.0006	104	75-125	2.53	20	
Nickel, total	0.109	0.0050	mg/L	0.100	0.0247	84.8	75-125	3.21	20	
Post Spike (1IF1340-PS1)		**Source: 1ID0938-06RE1**		Prepared: 06/25/25 09:33 Analyzed: 06/25/25 22:54						
Barium, total	0.235		mg/L	0.0200	0.206	146	80-120			M1
Cobalt, total	0.0195		mg/L	0.0200	0.0006	94.2	80-120			
Nickel, total	0.0401		mg/L	0.0200	0.0247	77.4	80-120			M2

Definitions

B:	The target analyte was detected in the blank at or above the method acceptance criteria.
B1:	The target analyte was detected in the method blank at or above the method acceptance criteria. The sample concentration is below the method acceptance criteria.
M1:	Matrix spike recovery is above acceptance limits.
M2:	Matrix spike recovery is below acceptance limits.
Q2:	LCS recovery is above acceptance limits.
Q8:	CCV recovery is below acceptance limits. The reported value is estimated.
R1:	Duplicate RPD is outside acceptance criteria.
RL:	Reporting Limit
RPD:	Relative Percent Difference
S1:	Surrogate recovery is above acceptance limits.
S2:	Surrogate recovery is below acceptance limits.

Cooler Receipt Log

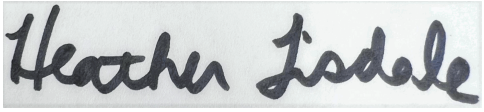
Cooler ID: Default Cooler Temp: 0.1°C

Cooler Inspection Checklist

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

Report Comments

Reviewed and Approved By:



Heather Tisdale
Customer Relationship Specialist
06/27/25 16:43

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>.***

CHAIN OF C

MICROBAC®
600 East 17th Street S
Newton, IA 50208
641-792-8451

1 I D 1 3 2 2

HLW Engineering
PM: Heather Murphy

www.keystonelabs.com

SITE INFORMATION
Sampler: Todd Whipple
Project: FMC SLF - New Regs
6028

REPORT TO
Todd Whippie
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO
Christian Fox
Floyd Mitchell SWMA
3354 330th St
Elma, IA 50628

SPECIAL INSTRUCTIONS
None

Turn Around Time
☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY
Work Order 1FD1322
Temperature 0-1
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-9 (up)	Aqueous	GRAB	4/10/25	11:04	7	lndfill-app1-voc-group	lndfil-app1-metals-6020	01
-001	MW-14 (up)	Aqueous	GRAB	4/10/25	10:55	7	lndfill-app1-voc-group	lndfil-app1-metals-6020	02
-001	MW-4 (up)	Aqueous	GRAB	4/10/25	12:24	7	lndfill-app1-voc-group	lndfil-app1-metals-6020	03
-001	MW-5 (up)	Aqueous	GRAB	4/10/25	11:50	7	lndfill-app1-voc-group	lndfil-app1-metals-6020	04
-001	MW-11	Aqueous	GRAB	4/10/25	9:47	7	lndfill-app1-voc-group	lndfil-app1-metals-6020	05
-001	MW-12	Aqueous	GRAB	4/10/25	12:54	17	lndfil-app2-inorg-6020	lndfil-app2-org	06
-001	MW-15	Aqueous	GRAB	4/10/25	10:25	7	lndfill-app1-voc-group	lndfil-app1-metals-6020	07

Todd Whipple 4/11/25
nquished By Date/Time

ved By Date/Time

Relinquished By Date/Time

Received for Lab By 4/11/25 11:31 Date/Time

Remarks:

Original - Lab Copy Yellow - Sampler Copy

CHAIN OF

MICROBAC®
600 East 17th Street S
Newton, IA 50208
641-792-8451

1 I D 1 3 2 2

HLW Engineering
PM: Heather Murphy

SITE INFORMATION

Sampler: Todd Whipple

Project: FMC SLF - New Regs
6028

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

Christian Fox
Floyd Mitchell SWMA
3354 330th St
Elma, IA 50628

LAB USE ONLY

Work Order 1FD1322
Temperature 0.1
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-16	Aqueous	GRAB	4/10/25	10:43	7	lndfill-app1-voc-group lndfil-app1-metals-6020	08
-001	MW-2	Aqueous	GRAB	4/10/25	9:18	7	lndfill-app1-voc-group lndfil-app1-metals-6020	09
-001	MW-3	Aqueous	GRAB	4/10/25	9:00	7	lndfill-app1-voc-group lndfil-app1-metals-6020	10
-001	MW-6	Aqueous	GRAB	4/10/25	12:10	7	lndfill-app1-voc-group lndfil-app1-metals-6020	11
-001	MW-7	Aqueous	GRAB	4/10/25	9:31	7	lndfill-app1-voc-group lndfil-app1-metals-6020	12
-001	Duplicate	Aqueous	GRAB	4/10/25	✓	1	~~lndfill-app1-voc-group~~ lndfil-app1-metals-6020	13

Relinquished By — Date/Time: 4/11/25

Received By — Date/Time

Relinquished By — Date/Time

Received for Lab By: 4/11/25 — Date/Time: 11:31

Remarks:

Original - Lab Copy Yellow - Sampler Copy

Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IJ1988

Project Description

6028

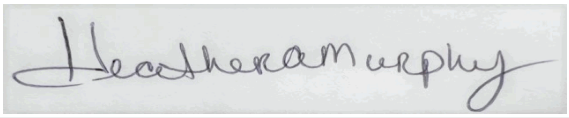
For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248



Heather Murphy

Customer Relationship Specialist

Wednesday, November 5, 2025

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

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

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CERTIFICATE OF ANALYSIS

1IJ1988

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6028

Project / PO Number: N/A
Received: 10/22/2025
Reported: 11/05/2025

Sample Summary Report

Sample Name	Laboratory ID	Client Matrix	Sample Type	Sample Begin	Sample Taken	Lab Received
MW-9 (up)	1IJ1988-01	Aqueous	GRAB		10/21/25 10:15	10/22/25 09:30
MW-14 (up)	1IJ1988-02	Aqueous	GRAB		10/21/25 10:29	10/22/25 09:30
MW-4 (up)	1IJ1988-03	Aqueous	GRAB		10/21/25 10:55	10/22/25 09:30
MW-5 (up)	1IJ1988-04	Aqueous	GRAB		10/21/25 10:40	10/22/25 09:30
MW-11	1IJ1988-05	Aqueous	GRAB		10/21/25 08:44	10/22/25 09:30
MW-12	1IJ1988-06	Aqueous	GRAB		10/21/25 08:57	10/22/25 09:30
MW-15	1IJ1988-07	Aqueous	GRAB		10/21/25 09:10	10/22/25 09:30
MW-16	1IJ1988-08	Aqueous	GRAB		10/21/25 09:27	10/22/25 09:30
MW-2	1IJ1988-09	Aqueous	GRAB		10/21/25 08:25	10/22/25 09:30
MW-3	1IJ1988-10	Aqueous	GRAB		10/21/25 08:10	10/22/25 09:30
MW-6	1IJ1988-11	Aqueous	GRAB		10/21/25 10:02	10/22/25 09:30
MW-7	1IJ1988-12	Aqueous	GRAB		10/21/25 09:45	10/22/25 09:30
Duplicate	1IJ1988-13	Aqueous	GRAB		10/21/25 00:00	10/22/25 09:30

CERTIFICATE OF ANALYSIS

1IJ1988

Analytical Testing Parameters

Client Sample ID:	MW-9 (up)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-01	**Collection Date:**	10/21/2025 10:15

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Bromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Chloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Acetone	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Chloroform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Benzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Dibromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Toluene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Xylenes, total	<2.0	2.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Styrene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-9 (up)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-01	**Collection Date:**	10/21/2025 10:15

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bromoform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 1943	RAF
Surrogate: Dibromofluoromethane	105	Limit: 57-128	% Rec		10/27/25 0000	10/27/25 1943	RAF
Surrogate: Dibromofluoromethane	105	Limit: 75-136	% Rec		10/27/25 0000	10/27/25 1943	RAF
Surrogate: 1,2-Dichloroethane-d4	107	Limit: 61-142	% Rec		10/27/25 0000	10/27/25 1943	RAF
Surrogate: 1,2-Dichloroethane-d4	107	Limit: 49-135	% Rec		10/27/25 0000	10/27/25 1943	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/27/25 0000	10/27/25 1943	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/27/25 0000	10/27/25 1943	RAF
Surrogate: 4-Bromofluorobenzene	106	Limit: 77-114	% Rec		10/27/25 0000	10/27/25 1943	RAF
Surrogate: 4-Bromofluorobenzene	106	Limit: 80-116	% Rec		10/27/25 0000	10/27/25 1943	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1701	RVV
Arsenic	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1701	RVV
Barium	**0.0912**	0.0010	mg/L		10/27/25 1624	10/28/25 1701	RVV
Beryllium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1701	RVV
Cadmium	<0.0002	0.0002	mg/L		10/27/25 1624	10/28/25 1701	RVV
Chromium	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1701	RVV
Cobalt	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1701	RVV
Copper	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1701	RVV
Lead	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1701	RVV
Nickel	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1701	RVV
Selenium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1701	RVV
Silver	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1701	RVV
Thallium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1701	RVV
Vanadium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1701	RVV
Zinc	**0.0070**	0.0050	mg/L		10/27/25 1624	10/28/25 1701	RVV

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-14 (up)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-02	**Collection Date:**	10/21/2025 10:29

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Bromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Chloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Acetone	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Chloroform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Benzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Dibromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Toluene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Xylenes, total	<2.0	2.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Styrene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Bromoform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-14 (up)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-02	**Collection Date:**	10/21/2025 10:29

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2008	RAF
Surrogate: Dibromofluoromethane	108	Limit: 75-136	% Rec		10/27/25 0000	10/27/25 2008	RAF
Surrogate: Dibromofluoromethane	108	Limit: 57-128	% Rec		10/27/25 0000	10/27/25 2008	RAF
Surrogate: 1,2-Dichloroethane-d4	108	Limit: 61-142	% Rec		10/27/25 0000	10/27/25 2008	RAF
Surrogate: 1,2-Dichloroethane-d4	108	Limit: 49-135	% Rec		10/27/25 0000	10/27/25 2008	RAF
Surrogate: Toluene-d8	90.4	Limit: 82-121	% Rec		10/27/25 0000	10/27/25 2008	RAF
Surrogate: Toluene-d8	90.4	Limit: 82-116	% Rec		10/27/25 0000	10/27/25 2008	RAF
Surrogate: 4-Bromofluorobenzene	99.0	Limit: 80-116	% Rec		10/27/25 0000	10/27/25 2008	RAF
Surrogate: 4-Bromofluorobenzene	99.0	Limit: 77-114	% Rec		10/27/25 0000	10/27/25 2008	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1716	RVV
Arsenic	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1716	RVV
Barium	**0.120**	0.0010	mg/L		10/27/25 1624	10/28/25 1716	RVV
Beryllium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1716	RVV
Cadmium	**0.0003**	0.0002	mg/L		10/27/25 1624	10/28/25 1716	RVV
Chromium	**0.0011**	0.0010	mg/L		10/27/25 1624	10/28/25 1716	RVV
Cobalt	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1716	RVV
Copper	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1716	RVV
Lead	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1716	RVV
Nickel	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1716	RVV
Selenium	**0.0025**	0.0020	mg/L		10/27/25 1624	10/28/25 1716	RVV
Silver	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1716	RVV
Thallium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1716	RVV
Vanadium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1716	RVV
Zinc	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1716	RVV

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-4 (up)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-03	**Collection Date:**	10/21/2025 10:55

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Bromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Chloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Acetone	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Chloroform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Benzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Dibromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Toluene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Xylenes, total	<2.0	2.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Styrene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Bromoform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-4 (up)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-03	**Collection Date:**	10/21/2025 10:55

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2033	RAF
Surrogate: Dibromofluoromethane	106	Limit: 75-136	% Rec		10/27/25 0000	10/27/25 2033	RAF
Surrogate: Dibromofluoromethane	106	Limit: 57-128	% Rec		10/27/25 0000	10/27/25 2033	RAF
Surrogate: 1,2-Dichloroethane-d4	97.8	Limit: 61-142	% Rec		10/27/25 0000	10/27/25 2033	RAF
Surrogate: 1,2-Dichloroethane-d4	97.8	Limit: 49-135	% Rec		10/27/25 0000	10/27/25 2033	RAF
Surrogate: Toluene-d8	116	Limit: 82-121	% Rec		10/27/25 0000	10/27/25 2033	RAF
Surrogate: Toluene-d8	116	Limit: 82-116	% Rec		10/27/25 0000	10/27/25 2033	RAF
Surrogate: 4-Bromofluorobenzene	98.4	Limit: 80-116	% Rec		10/27/25 0000	10/27/25 2033	RAF
Surrogate: 4-Bromofluorobenzene	98.4	Limit: 77-114	% Rec		10/27/25 0000	10/27/25 2033	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1719	RVV
Arsenic	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1719	RVV
Barium	**0.0732**	0.0010	mg/L		10/27/25 1624	10/28/25 1719	RVV
Beryllium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1719	RVV
Cadmium	<0.0002	0.0002	mg/L		10/27/25 1624	10/28/25 1719	RVV
Chromium	**0.0011**	0.0010	mg/L		10/27/25 1624	10/28/25 1719	RVV
Cobalt	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1719	RVV
Copper	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1719	RVV
Lead	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1719	RVV
Nickel	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1719	RVV
Selenium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1719	RVV
Silver	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1719	RVV
Thallium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1719	RVV
Vanadium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1719	RVV
Zinc	**0.0123**	0.0050	mg/L		10/27/25 1624	10/28/25 1719	RVV

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-5 (up)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-04	**Collection Date:**	10/21/2025 10:40

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Bromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Chloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Acetone	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Chloroform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Benzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Dibromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Toluene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Xylenes, total	<2.0	2.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Styrene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Bromoform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-5 (up)		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-04	**Collection Date:**	10/21/2025 10:40

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2059	RAF
Surrogate: Dibromofluoromethane	106	Limit: 75-136	% Rec		10/27/25 0000	10/27/25 2059	RAF
Surrogate: Dibromofluoromethane	106	Limit: 57-128	% Rec		10/27/25 0000	10/27/25 2059	RAF
Surrogate: 1,2-Dichloroethane-d4	96.6	Limit: 61-142	% Rec		10/27/25 0000	10/27/25 2059	RAF
Surrogate: 1,2-Dichloroethane-d4	96.6	Limit: 49-135	% Rec		10/27/25 0000	10/27/25 2059	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/27/25 0000	10/27/25 2059	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/27/25 0000	10/27/25 2059	RAF
Surrogate: 4-Bromofluorobenzene	103	Limit: 80-116	% Rec		10/27/25 0000	10/27/25 2059	RAF
Surrogate: 4-Bromofluorobenzene	103	Limit: 77-114	% Rec		10/27/25 0000	10/27/25 2059	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1722	RVV
Arsenic	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1722	RVV
Barium	**0.171**	0.0010	mg/L		10/27/25 1624	10/28/25 1722	RVV
Beryllium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1722	RVV
Cadmium	<0.0002	0.0002	mg/L		10/27/25 1624	10/28/25 1722	RVV
Chromium	**0.0012**	0.0010	mg/L		10/27/25 1624	10/28/25 1722	RVV
Cobalt	**0.0006**	0.0005	mg/L		10/27/25 1624	10/28/25 1722	RVV
Copper	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1722	RVV
Lead	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1722	RVV
Nickel	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1722	RVV
Selenium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1722	RVV
Silver	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1722	RVV
Thallium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1722	RVV
Vanadium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1722	RVV
Zinc	**0.0113**	0.0050	mg/L		10/27/25 1624	10/28/25 1722	RVV

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-11		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-05	**Collection Date:**	10/21/2025 8:44

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Bromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Chloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Acetone	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Chloroform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Benzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Dibromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Toluene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Xylenes, total	<2.0	2.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Styrene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Bromoform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-11		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-05	**Collection Date:**	10/21/2025 8:44

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2124	RAF
Surrogate: Dibromofluoromethane	100	Limit: 75-136	% Rec		10/27/25 0000	10/27/25 2124	RAF
Surrogate: Dibromofluoromethane	100	Limit: 57-128	% Rec		10/27/25 0000	10/27/25 2124	RAF
Surrogate: 1,2-Dichloroethane-d4	104	Limit: 61-142	% Rec		10/27/25 0000	10/27/25 2124	RAF
Surrogate: 1,2-Dichloroethane-d4	104	Limit: 49-135	% Rec		10/27/25 0000	10/27/25 2124	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/27/25 0000	10/27/25 2124	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/27/25 0000	10/27/25 2124	RAF
Surrogate: 4-Bromofluorobenzene	91.5	Limit: 80-116	% Rec		10/27/25 0000	10/27/25 2124	RAF
Surrogate: 4-Bromofluorobenzene	91.5	Limit: 77-114	% Rec		10/27/25 0000	10/27/25 2124	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1724	RVV
Arsenic	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1724	RVV
Barium	**0.0133**	0.0010	mg/L		10/27/25 1624	10/28/25 1724	RVV
Beryllium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1724	RVV
Cadmium	<0.0002	0.0002	mg/L		10/27/25 1624	10/28/25 1724	RVV
Chromium	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1724	RVV
Cobalt	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1724	RVV
Copper	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1724	RVV
Lead	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1724	RVV
Nickel	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1724	RVV
Selenium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1724	RVV
Silver	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1724	RVV
Thallium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1724	RVV
Vanadium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1724	RVV
Zinc	**0.0061**	0.0050	mg/L		10/27/25 1624	10/28/25 1724	RVV

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-12		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-06	**Collection Date:**	10/21/2025 8:57

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Bromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Chloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Acetone	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Chloroform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Benzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Dibromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Toluene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Xylenes, total	<2.0	2.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Styrene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Bromoform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-12		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-06	**Collection Date:**	10/21/2025 8:57

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2149	RAF
Surrogate: Dibromofluoromethane	106	Limit: 75-136	% Rec		10/27/25 0000	10/27/25 2149	RAF
Surrogate: Dibromofluoromethane	106	Limit: 57-128	% Rec		10/27/25 0000	10/27/25 2149	RAF
Surrogate: 1,2-Dichloroethane-d4	110	Limit: 49-135	% Rec		10/27/25 0000	10/27/25 2149	RAF
Surrogate: 1,2-Dichloroethane-d4	110	Limit: 61-142	% Rec		10/27/25 0000	10/27/25 2149	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/27/25 0000	10/27/25 2149	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/27/25 0000	10/27/25 2149	RAF
Surrogate: 4-Bromofluorobenzene	106	Limit: 77-114	% Rec		10/27/25 0000	10/27/25 2149	RAF
Surrogate: 4-Bromofluorobenzene	106	Limit: 80-116	% Rec		10/27/25 0000	10/27/25 2149	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1727	RVV
Arsenic	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1727	RVV
Barium	**0.151**	0.0010	mg/L		10/27/25 1624	10/28/25 1727	RVV
Beryllium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1727	RVV
Cadmium	**0.0004**	0.0002	mg/L		10/27/25 1624	10/28/25 1727	RVV
Chromium	**0.0017**	0.0010	mg/L		10/27/25 1624	10/28/25 1727	RVV
Cobalt	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1727	RVV
Copper	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1727	RVV
Lead	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1727	RVV
Nickel	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1727	RVV
Selenium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1727	RVV
Silver	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1727	RVV
Thallium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1727	RVV
Vanadium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1727	RVV
Zinc	**0.0079**	0.0050	mg/L		10/27/25 1624	10/28/25 1727	RVV

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-15		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-07	**Collection Date:**	10/21/2025 9:10

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Bromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Chloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Acetone	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Chloroform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Benzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Dibromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Toluene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Xylenes, total	<2.0	2.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Styrene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Bromoform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1988-07
Collected By: Whipple, Todd
Collection Date: 10/21/2025 9:10

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2215	RAF
Surrogate: Dibromofluoromethane	105	Limit: 75-136	% Rec		10/27/25 0000	10/27/25 2215	RAF
Surrogate: Dibromofluoromethane	105	Limit: 57-128	% Rec		10/27/25 0000	10/27/25 2215	RAF
Surrogate: 1,2-Dichloroethane-d4	104	Limit: 49-135	% Rec		10/27/25 0000	10/27/25 2215	RAF
Surrogate: 1,2-Dichloroethane-d4	104	Limit: 61-142	% Rec		10/27/25 0000	10/27/25 2215	RAF
Surrogate: Toluene-d8	105	Limit: 82-121	% Rec		10/27/25 0000	10/27/25 2215	RAF
Surrogate: Toluene-d8	105	Limit: 82-116	% Rec		10/27/25 0000	10/27/25 2215	RAF
Surrogate: 4-Bromofluorobenzene	77.5	Limit: 77-114	% Rec		10/27/25 0000	10/27/25 2215	RAF
Surrogate: 4-Bromofluorobenzene	77.5	Limit: 80-116	% Rec	S2	10/27/25 0000	10/27/25 2215	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1729	RVV
Arsenic	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1729	RVV
Barium	**0.0199**	0.0010	mg/L		10/27/25 1624	10/28/25 1729	RVV
Beryllium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1729	RVV
Cadmium	**0.0215**	0.0002	mg/L		10/27/25 1624	10/28/25 1729	RVV
Chromium	**0.0010**	0.0010	mg/L		10/27/25 1624	10/28/25 1729	RVV
Cobalt	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1729	RVV
Copper	**0.0098**	0.0050	mg/L		10/27/25 1624	10/28/25 1729	RVV
Lead	**0.0016**	0.0010	mg/L		10/27/25 1624	10/28/25 1729	RVV
Nickel	**0.0165**	0.0050	mg/L		10/27/25 1624	10/28/25 1729	RVV
Selenium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1729	RVV
Silver	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1729	RVV
Thallium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1729	RVV
Vanadium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1729	RVV
Zinc	**0.0233**	0.0050	mg/L		10/27/25 1624	10/28/25 1729	RVV

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-16		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-08	**Collection Date:**	10/21/2025 9:27

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Bromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Chloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Acetone	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Chloroform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Benzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Dibromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Toluene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Xylenes, total	<2.0	2.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Styrene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Bromoform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-16		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-08	**Collection Date:**	10/21/2025 9:27

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2240	RAF
Surrogate: Dibromofluoromethane	112	Limit: 57-128	% Rec		10/27/25 0000	10/27/25 2240	RAF
Surrogate: Dibromofluoromethane	112	Limit: 75-136	% Rec		10/27/25 0000	10/27/25 2240	RAF
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 61-142	% Rec		10/27/25 0000	10/27/25 2240	RAF
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 49-135	% Rec		10/27/25 0000	10/27/25 2240	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/27/25 0000	10/27/25 2240	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/27/25 0000	10/27/25 2240	RAF
Surrogate: 4-Bromofluorobenzene	98.5	Limit: 80-116	% Rec		10/27/25 0000	10/27/25 2240	RAF
Surrogate: 4-Bromofluorobenzene	98.5	Limit: 77-114	% Rec		10/27/25 0000	10/27/25 2240	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1732	RVV
Arsenic	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1732	RVV
Barium	**0.0416**	0.0010	mg/L		10/27/25 1624	10/28/25 1732	RVV
Beryllium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1732	RVV
Cadmium	**0.0003**	0.0002	mg/L		10/27/25 1624	10/28/25 1732	RVV
Chromium	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1732	RVV
Cobalt	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1732	RVV
Copper	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1732	RVV
Lead	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1732	RVV
Nickel	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1732	RVV
Selenium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1732	RVV
Silver	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1732	RVV
Thallium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1732	RVV
Vanadium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1732	RVV
Zinc	**0.0053**	0.0050	mg/L		10/27/25 1624	10/28/25 1732	RVV

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-2		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-09	**Collection Date:**	10/21/2025 8:25

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Bromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Chloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Acetone	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Chloroform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Benzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Dibromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Toluene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Xylenes, total	<2.0	2.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Styrene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Bromoform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID: MW-2
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1988-09
Collected By: Whipple, Todd
Collection Date: 10/21/2025 8:25

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2305	RAF
Surrogate: Dibromofluoromethane	112	Limit: 75-136	% Rec		10/27/25 0000	10/27/25 2305	RAF
Surrogate: Dibromofluoromethane	112	Limit: 57-128	% Rec		10/27/25 0000	10/27/25 2305	RAF
Surrogate: 1,2-Dichloroethane-d4	112	Limit: 49-135	% Rec		10/27/25 0000	10/27/25 2305	RAF
Surrogate: 1,2-Dichloroethane-d4	112	Limit: 61-142	% Rec		10/27/25 0000	10/27/25 2305	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/27/25 0000	10/27/25 2305	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/27/25 0000	10/27/25 2305	RAF
Surrogate: 4-Bromofluorobenzene	98.0	Limit: 80-116	% Rec		10/27/25 0000	10/27/25 2305	RAF
Surrogate: 4-Bromofluorobenzene	98.0	Limit: 77-114	% Rec		10/27/25 0000	10/27/25 2305	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1734	RVV
Arsenic	**0.0027**	0.0020	mg/L		10/27/25 1624	10/28/25 1734	RVV
Barium	**0.0351**	0.0010	mg/L		10/27/25 1624	10/28/25 1734	RVV
Beryllium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1734	RVV
Cadmium	<0.0002	0.0002	mg/L		10/27/25 1624	10/28/25 1734	RVV
Chromium	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1734	RVV
Cobalt	**0.0021**	0.0005	mg/L		10/27/25 1624	10/28/25 1734	RVV
Copper	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1734	RVV
Lead	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1734	RVV
Nickel	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1734	RVV
Selenium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1734	RVV
Silver	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1734	RVV
Thallium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1734	RVV
Vanadium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1734	RVV
Zinc	**0.0054**	0.0050	mg/L		10/27/25 1624	10/28/25 1734	RVV

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-3		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-10	**Collection Date:**	10/21/2025 8:10

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Bromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Chloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Acetone	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Chloroform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Benzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Dibromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Toluene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Xylenes, total	<2.0	2.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Styrene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Bromoform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-3		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-10	**Collection Date:**	10/21/2025 8:10

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2330	RAF
Surrogate: Dibromofluoromethane	110	Limit: 75-136	% Rec		10/27/25 0000	10/27/25 2330	RAF
Surrogate: Dibromofluoromethane	110	Limit: 57-128	% Rec		10/27/25 0000	10/27/25 2330	RAF
Surrogate: 1,2-Dichloroethane-d4	112	Limit: 49-135	% Rec		10/27/25 0000	10/27/25 2330	RAF
Surrogate: 1,2-Dichloroethane-d4	112	Limit: 61-142	% Rec		10/27/25 0000	10/27/25 2330	RAF
Surrogate: Toluene-d8	85.3	Limit: 82-116	% Rec		10/27/25 0000	10/27/25 2330	RAF
Surrogate: Toluene-d8	85.3	Limit: 82-121	% Rec		10/27/25 0000	10/27/25 2330	RAF
Surrogate: 4-Bromofluorobenzene	120	Limit: 77-114	% Rec	**S1**	10/27/25 0000	10/27/25 2330	RAF
Surrogate: 4-Bromofluorobenzene	120	Limit: 80-116	% Rec	**S1**	10/27/25 0000	10/27/25 2330	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1737	RVV
Arsenic	**0.0021**	0.0020	mg/L		10/27/25 1624	10/28/25 1737	RVV
Barium	**0.261**	0.0010	mg/L		10/27/25 1624	10/28/25 1737	RVV
Beryllium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1737	RVV
Cadmium	**0.0004**	0.0002	mg/L		10/27/25 1624	10/28/25 1737	RVV
Chromium	**0.0014**	0.0010	mg/L		10/27/25 1624	10/28/25 1737	RVV
Cobalt	**0.0049**	0.0005	mg/L		10/27/25 1624	10/28/25 1737	RVV
Copper	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1737	RVV
Lead	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1737	RVV
Nickel	**0.0130**	0.0050	mg/L		10/27/25 1624	10/28/25 1737	RVV
Selenium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1737	RVV
Silver	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1737	RVV
Thallium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1737	RVV
Vanadium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1737	RVV
Zinc	**0.0165**	0.0050	mg/L		10/27/25 1624	10/28/25 1737	RVV

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-6		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-11	**Collection Date:**	10/21/2025 10:02

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Bromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Chloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Acetone	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Chloroform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Benzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Dibromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Toluene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Xylenes, total	<2.0	2.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Styrene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Bromoform	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-6		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-11	**Collection Date:**	10/21/2025 10:02

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/27/25 0000	10/27/25 2355	RAF
Surrogate: Dibromofluoromethane	111	Limit: 75-136	% Rec		10/27/25 0000	10/27/25 2355	RAF
Surrogate: Dibromofluoromethane	111	Limit: 57-128	% Rec		10/27/25 0000	10/27/25 2355	RAF
Surrogate: 1,2-Dichloroethane-d4	114	Limit: 49-135	% Rec		10/27/25 0000	10/27/25 2355	RAF
Surrogate: 1,2-Dichloroethane-d4	114	Limit: 61-142	% Rec		10/27/25 0000	10/27/25 2355	RAF
Surrogate: Toluene-d8	81.1	Limit: 82-121	% Rec	**S2**	10/27/25 0000	10/27/25 2355	RAF
Surrogate: Toluene-d8	81.1	Limit: 82-116	% Rec	**S2**	10/27/25 0000	10/27/25 2355	RAF
Surrogate: 4-Bromofluorobenzene	97.8	Limit: 77-114	% Rec		10/27/25 0000	10/27/25 2355	RAF
Surrogate: 4-Bromofluorobenzene	97.8	Limit: 80-116	% Rec		10/27/25 0000	10/27/25 2355	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1744	RVV
Arsenic	**0.0032**	0.0020	mg/L		10/27/25 1624	10/28/25 1744	RVV
Barium	**0.0258**	0.0010	mg/L		10/27/25 1624	10/28/25 1744	RVV
Beryllium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1744	RVV
Cadmium	<0.0002	0.0002	mg/L		10/27/25 1624	10/28/25 1744	RVV
Chromium	**0.0015**	0.0010	mg/L		10/27/25 1624	10/28/25 1744	RVV
Cobalt	**0.0006**	0.0005	mg/L		10/27/25 1624	10/28/25 1744	RVV
Copper	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1744	RVV
Lead	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1744	RVV
Nickel	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1744	RVV
Selenium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1744	RVV
Silver	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1744	RVV
Thallium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1744	RVV
Vanadium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1744	RVV
Zinc	**0.0243**	0.0050	mg/L		10/27/25 1624	10/28/25 1744	RVV

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-7		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-12	**Collection Date:**	10/21/2025 9:45

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Bromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Chloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Acetone	<10.0	10.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Chloroform	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Benzene	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Dibromomethane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Toluene	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Xylenes, total	<2.0	2.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Styrene	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Bromoform	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	MW-7		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-12	**Collection Date:**	10/21/2025 9:45

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/27/25 0000	10/28/25 0021	RAF
Surrogate: Dibromofluoromethane	112	Limit: 75-136	% Rec		10/27/25 0000	10/28/25 0021	RAF
Surrogate: Dibromofluoromethane	112	Limit: 57-128	% Rec		10/27/25 0000	10/28/25 0021	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 61-142	% Rec		10/27/25 0000	10/28/25 0021	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 49-135	% Rec		10/27/25 0000	10/28/25 0021	RAF
Surrogate: Toluene-d8	78.4	Limit: 82-116	% Rec	**S2**	10/27/25 0000	10/28/25 0021	RAF
Surrogate: Toluene-d8	78.4	Limit: 82-121	% Rec	**S2**	10/27/25 0000	10/28/25 0021	RAF
Surrogate: 4-Bromofluorobenzene	97.7	Limit: 80-116	% Rec		10/27/25 0000	10/28/25 0021	RAF
Surrogate: 4-Bromofluorobenzene	97.7	Limit: 77-114	% Rec		10/27/25 0000	10/28/25 0021	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1747	RVV
Arsenic	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1747	RVV
Barium	**0.0297**	0.0010	mg/L		10/27/25 1624	10/28/25 1747	RVV
Beryllium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1747	RVV
Cadmium	**0.0004**	0.0002	mg/L		10/27/25 1624	10/28/25 1747	RVV
Chromium	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1747	RVV
Cobalt	**0.0005**	0.0005	mg/L		10/27/25 1624	10/28/25 1747	RVV
Copper	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1747	RVV
Lead	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1747	RVV
Nickel	**0.0062**	0.0050	mg/L		10/27/25 1624	10/28/25 1747	RVV
Selenium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1747	RVV
Silver	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1747	RVV
Thallium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1747	RVV
Vanadium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1747	RVV
Zinc	**0.0058**	0.0050	mg/L		10/27/25 1624	10/28/25 1747	RVV

CERTIFICATE OF ANALYSIS

1IJ1988

Client Sample ID:	Duplicate		
Sample Matrix:	Aqueous	**Collected By:**	Whipple, Todd
Lab Sample ID:	1IJ1988-13	**Collection Date:**	10/21/2025

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1749	RVV
Arsenic	**0.0024**	0.0020	mg/L		10/27/25 1624	10/28/25 1749	RVV
Barium	**0.0332**	0.0010	mg/L		10/27/25 1624	10/28/25 1749	RVV
Beryllium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1749	RVV
Cadmium	<0.0002	0.0002	mg/L		10/27/25 1624	10/28/25 1749	RVV
Chromium	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1749	RVV
Cobalt	**0.0019**	0.0005	mg/L		10/27/25 1624	10/28/25 1749	RVV
Copper	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1749	RVV
Lead	<0.0010	0.0010	mg/L		10/27/25 1624	10/28/25 1749	RVV
Nickel	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1749	RVV
Selenium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1749	RVV
Silver	<0.0050	0.0050	mg/L		10/27/25 1624	10/28/25 1749	RVV
Thallium	<0.0005	0.0005	mg/L		10/27/25 1624	10/28/25 1749	RVV
Vanadium	<0.0020	0.0020	mg/L		10/27/25 1624	10/28/25 1749	RVV
Zinc	**0.0054**	0.0050	mg/L		10/27/25 1624	10/28/25 1749	RVV

CERTIFICATE OF ANALYSIS

1IJ1988

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IJ1560	1IJ1560-BLK1	
		1IJ1560-BS1	
		1IJ1988-01	MW-9 (up)
		1IJ1560-MS1	1IJ1988-01
		1IJ1560-MSD1	1IJ1988-01
		1IJ1560-PS1	1IJ1988-01
		1IJ1988-02	MW-14 (up)
		1IJ1988-03	MW-4 (up)
		1IJ1988-04	MW-5 (up)
		1IJ1988-05	MW-11
		1IJ1988-06	MW-12
		1IJ1988-07	MW-15
		1IJ1988-08	MW-16
		1IJ1988-09	MW-2
		1IJ1988-10	MW-3
		1IJ1988-11	MW-6
		1IJ1988-12	MW-7
		1IJ1988-13	Duplicate

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IJ1563	1IJ1563-BS1	
		1IJ1563-BSD1	
		1IJ1563-BLK1	
		1IJ1988-01	MW-9 (up)
		1IJ1988-02	MW-14 (up)
		1IJ1988-03	MW-4 (up)
		1IJ1988-04	MW-5 (up)
		1IJ1988-05	MW-11
		1IJ1988-06	MW-12
		1IJ1988-07	MW-15
		1IJ1988-08	MW-16
		1IJ1988-09	MW-2
		1IJ1988-10	MW-3
		1IJ1988-11	MW-6
		1IJ1988-12	MW-7
		1IJ1563-MS1	1IJ1988-01
		1IJ1563-MSD1	1IJ1988-01

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IJ1761	1IJ1761-BLK1	
		1IJ1761-BS1	
		1IJ1761-MS1	1IJ2328-01
		1IJ1761-MSD1	1IJ2328-01
		1IJ1761-PS1	1IJ2328-01

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1563 - EPA 5030B - EPA 8260D										

CERTIFICATE OF ANALYSIS

1IJ1988

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (1IJ1563-BLK1)			Prepared: 10/27/25 00:00 Analyzed: 10/27/25 16:48							
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							
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							

CERTIFICATE OF ANALYSIS

1IJ1988

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1563 - EPA 5030B - EPA 8260D										
Blank (1IJ1563-BLK1)			Prepared: 10/27/25 00:00 Analyzed: 10/27/25 16:48							
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	*49.6*		ug/L	*50.2*		*98.9*	*57-128*			
Surrogate: Dibromofluoromethane	*49.6*		ug/L	*50.2*		*98.9*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*46.8*		ug/L	*50.4*		*92.9*	*49-135*			
Surrogate: 1,2-Dichloroethane-d4	*46.8*		ug/L	*50.4*		*92.9*	*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	*42.7*		ug/L	*50.2*		*85.1*	*77-114*			
Surrogate: 4-Bromofluorobenzene	*42.7*		ug/L	*50.2*		*85.1*	*80-116*			
LCS (1IJ1563-BS1)			Prepared: 10/27/25 00:00 Analyzed: 10/27/25 15:33							
Chloromethane	27.69	1.0	ug/L	30.0		92.3	63-155			
Vinyl Chloride	28.31	1.0	ug/L	30.0		94.4	70-154			
Bromomethane	32.47	1.0	ug/L	30.0		108	52-176			
Chloroethane	42.91	1.0	ug/L	30.0		143	72-148			
Trichlorofluoromethane	30.19	1.0	ug/L	30.0		101	70-152			
1,1-Dichloroethylene	50.90	1.0	ug/L	50.0		102	70-148			
Acetone	97.32	10.0	ug/L	100		97.3	43-172			
Methyl Iodide	111.2	1.0	ug/L	100		111	69-170			
Carbon Disulfide	103.4	1.0	ug/L	100		103	72-162			
Methylene Chloride	54.25	5.0	ug/L	50.0		108	68-142			
Acrylonitrile	52.99	5.0	ug/L	50.0		106	33-163			
trans-1,2-Dichloroethylene	51.10	1.0	ug/L	50.0		102	66-148			
1,1-Dichloroethane	51.07	1.0	ug/L	50.0		102	66-143			
Vinyl Acetate	52.41	5.0	ug/L	50.0		105	43-153			
cis-1,2-Dichloroethylene	52.36	1.0	ug/L	50.0		105	71-149			
2-Butanone (MEK)	105.7	10.0	ug/L	100		106	52-159			
Bromochloromethane	50.86	1.0	ug/L	50.0		102	69-143			
Chloroform	50.17	1.0	ug/L	50.0		100	69-144			
1,1,1-Trichloroethane	50.20	1.0	ug/L	50.0		100	62-129			
Carbon Tetrachloride	50.03	1.0	ug/L	50.0		100	63-141			
Benzene	53.77	1.0	ug/L	50.0		108	71-134			
1,2-Dichloroethane	49.90	1.0	ug/L	50.0		99.8	72-132			
Trichloroethylene	50.15	1.0	ug/L	50.0		100	71-135			
1,2-Dichloropropane	45.60	1.0	ug/L	50.0		91.2	69-136			
Dibromomethane	49.17	1.0	ug/L	50.0		98.3	73-147			
Bromodichloromethane	47.92	1.0	ug/L	50.0		95.8	68-129			
cis-1,3-Dichloropropene	54.51	1.0	ug/L	50.0		109	65-134			
4-Methyl-2-pentanone (MIBK)	103.9	5.0	ug/L	100		104	58-147			
Toluene	50.87	1.0	ug/L	50.0		102	72-133			
trans-1,3-Dichloropropene	53.88	1.0	ug/L	50.0		108	67-130			
1,1,2-Trichloroethane	50.75	1.0	ug/L	50.0		102	69-135			

CERTIFICATE OF ANALYSIS

1IJ1988

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1563 - EPA 5030B - EPA 8260D										
LCS (1IJ1563-BS1)	Prepared: 10/27/25 00:00 Analyzed: 10/27/25 15:33									
Tetrachloroethylene	49.80	1.0	ug/L	50.0		99.6	69-130			
2-Hexanone (MBK)	96.99	5.0	ug/L	100		97.0	55-144			
Dibromochloromethane	47.32	1.0	ug/L	50.0		94.6	73-127			
1,2-Dibromoethane	50.88	1.0	ug/L	50.0		102	67-132			
Chlorobenzene	47.06	1.0	ug/L	50.0		94.1	72-123			
1,1,1,2-Tetrachloroethane	51.99	1.0	ug/L	50.0		104	73-127			
Ethylbenzene	53.32	1.0	ug/L	50.0		107	71-127			
Xylenes, total	168.4	2.0	ug/L	150		112	74-127			
Styrene	56.73	1.0	ug/L	50.0		113	66-126			
Bromoform	49.53	1.0	ug/L	50.0		99.1	68-130			
1,2,3-Trichloropropane	49.37	1.0	ug/L	50.0		98.7	63-136			
trans-1,4-Dichloro-2-butene	102.6	5.0	ug/L	100		103	54-134			
1,1,2,2-Tetrachloroethane	51.59	1.0	ug/L	50.0		103	61-131			
1,4-Dichlorobenzene	50.19	1.0	ug/L	50.0		100	70-129			
1,2-Dichlorobenzene	52.19	1.0	ug/L	50.0		104	69-126			
1,2-Dibromo-3-chloropropane	48.74	5.0	ug/L	50.0		97.5	50-143			
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	*48.4*		ug/L	*50.4*		*96.1*	*49-135*			
Surrogate: 1,2-Dichloroethane-d4	*48.4*		ug/L	*50.4*		*96.1*	*61-142*			
Surrogate: Toluene-d8	*48.1*		ug/L	*50.5*		*95.2*	*82-116*			
Surrogate: Toluene-d8	*48.1*		ug/L	*50.5*		*95.2*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*52.6*		ug/L	*50.2*		*105*	*77-114*			
Surrogate: 4-Bromofluorobenzene	*52.6*		ug/L	*50.2*		*105*	*80-116*			
LCS Dup (1IJ1563-BSD1)	Prepared: 10/27/25 00:00 Analyzed: 10/27/25 15:58									
Chloromethane	27.02	1.0	ug/L	30.0		90.1	63-155	2.45	24	
Vinyl Chloride	27.16	1.0	ug/L	30.0		90.5	70-154	4.15	25	
Bromomethane	32.19	1.0	ug/L	30.0		107	52-176	0.866	27	
Chloroethane	41.91	1.0	ug/L	30.0		140	72-148	2.36	25	
Trichlorofluoromethane	29.69	1.0	ug/L	30.0		99.0	70-152	1.67	26	
1,1-Dichloroethylene	50.39	1.0	ug/L	50.0		101	70-148	1.01	24	
Acetone	100.7	10.0	ug/L	100		101	43-172	3.38	30	
Methyl Iodide	111.7	1.0	ug/L	100		112	69-170	0.422	30	
Carbon Disulfide	99.94	1.0	ug/L	100		99.9	72-162	3.35	24	
Methylene Chloride	50.92	5.0	ug/L	50.0		102	68-142	6.33	21	
Acrylonitrile	51.98	5.0	ug/L	50.0		104	33-163	1.92	28	
trans-1,2-Dichloroethylene	48.82	1.0	ug/L	50.0		97.6	66-148	4.56	27	
1,1-Dichloroethane	48.16	1.0	ug/L	50.0		96.3	66-143	5.87	24	
Vinyl Acetate	46.08	5.0	ug/L	50.0		92.2	43-153	12.9	30	
cis-1,2-Dichloroethylene	51.07	1.0	ug/L	50.0		102	71-149	2.49	26	
2-Butanone (MEK)	101.4	10.0	ug/L	100		101	52-159	4.09	27	
Bromochloromethane	49.06	1.0	ug/L	50.0		98.1	69-143	3.60	23	
Chloroform	48.38	1.0	ug/L	50.0		96.8	69-144	3.63	23	

CERTIFICATE OF ANALYSIS

1IJ1988

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1563 - EPA 5030B - EPA 8260D										
LCS Dup (1IJ1563-BSD1)			Prepared: 10/27/25 00:00 Analyzed: 10/27/25 15:58							
1,1,1-Trichloroethane	47.41	1.0	ug/L	50.0		94.8	62-129	5.72	24	
Carbon Tetrachloride	47.96	1.0	ug/L	50.0		95.9	63-141	4.22	25	
Benzene	49.96	1.0	ug/L	50.0		99.9	71-134	7.35	24	
1,2-Dichloroethane	47.49	1.0	ug/L	50.0		95.0	72-132	4.95	24	
Trichloroethylene	49.67	1.0	ug/L	50.0		99.3	71-135	0.962	24	
1,2-Dichloropropane	48.88	1.0	ug/L	50.0		97.8	69-136	6.94	24	
Dibromomethane	49.92	1.0	ug/L	50.0		99.8	73-147	1.51	25	
Bromodichloromethane	44.78	1.0	ug/L	50.0		89.6	68-129	6.77	22	
cis-1,3-Dichloropropene	50.99	1.0	ug/L	50.0		102	65-134	6.67	23	
4-Methyl-2-pentanone (MIBK)	97.71	5.0	ug/L	100		97.7	58-147	6.10	27	
Toluene	44.87	1.0	ug/L	50.0		89.7	72-133	12.5	24	
trans-1,3-Dichloropropene	50.12	1.0	ug/L	50.0		100	67-130	7.23	24	
1,1,2-Trichloroethane	44.87	1.0	ug/L	50.0		89.7	69-135	12.3	23	
Tetrachloroethylene	52.20	1.0	ug/L	50.0		104	69-130	4.71	25	
2-Hexanone (MBK)	106.3	5.0	ug/L	100		106	55-144	9.13	25	
Dibromochloromethane	47.56	1.0	ug/L	50.0		95.1	73-127	0.506	22	
1,2-Dibromoethane	49.49	1.0	ug/L	50.0		99.0	67-132	2.77	24	
Chlorobenzene	49.66	1.0	ug/L	50.0		99.3	72-123	5.38	23	
1,1,1,2-Tetrachloroethane	51.59	1.0	ug/L	50.0		103	73-127	0.772	24	
Ethylbenzene	51.96	1.0	ug/L	50.0		104	71-127	2.58	26	
Xylenes, total	165.1	2.0	ug/L	150		110	74-127	1.99	25	
Styrene	56.43	1.0	ug/L	50.0		113	66-126	0.530	23	
Bromoform	52.87	1.0	ug/L	50.0		106	68-130	6.52	23	
1,2,3-Trichloropropane	53.72	1.0	ug/L	50.0		107	63-136	8.44	24	
trans-1,4-Dichloro-2-butene	114.0	5.0	ug/L	100		114	54-134	10.5	27	
1,1,2,2-Tetrachloroethane	53.55	1.0	ug/L	50.0		107	61-131	3.73	29	
1,4-Dichlorobenzene	49.70	1.0	ug/L	50.0		99.4	70-129	0.981	24	
1,2-Dichlorobenzene	52.19	1.0	ug/L	50.0		104	69-126	0.00	26	
1,2-Dibromo-3-chloropropane	50.44	5.0	ug/L	50.0		101	50-143	3.43	30	
Surrogate: Dibromofluoromethane	*48.4*		ug/L	*50.2*		*96.4*	*57-128*			
Surrogate: Dibromofluoromethane	*48.4*		ug/L	*50.2*		*96.4*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*48.3*		ug/L	*50.4*		*95.9*	*49-135*			
Surrogate: 1,2-Dichloroethane-d4	*48.3*		ug/L	*50.4*		*95.9*	*61-142*			
Surrogate: Toluene-d8	*46.8*		ug/L	*50.5*		*92.7*	*82-116*			
Surrogate: Toluene-d8	*46.8*		ug/L	*50.5*		*92.7*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*56.9*		ug/L	*50.2*		*113*	*77-114*			
Surrogate: 4-Bromofluorobenzene	*56.9*		ug/L	*50.2*		*113*	*80-116*			
Matrix Spike (1IJ1563-MS1)		**Source: 1IJ1988-01**	Prepared: 10/27/25 00:00 Analyzed: 10/28/25 00:46							
Chloromethane	301.8	10.0	ug/L	303	ND	99.5	61-152			
Vinyl Chloride	337.9	10.0	ug/L	302	ND	112	66-149			
Bromomethane	297.5	10.0	ug/L	301	ND	98.8	43-171			
Chloroethane	322.7	10.0	ug/L	303	ND	106	69-148			
Trichlorofluoromethane	312.6	10.0	ug/L	303	ND	103	62-163			

CERTIFICATE OF ANALYSIS

1IJ1988

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1563 - EPA 5030B - EPA 8260D										
Matrix Spike (1IJ1563-MS1)	**Source: 1IJ1988-01**	Prepared: 10/27/25 00:00 Analyzed: 10/28/25 00:46								
1,1-Dichloroethylene	562.6	10.0	ug/L	501	ND	112	70-148			
Acetone	1175	100	ug/L	1000	ND	118	45-173			
Methyl Iodide	893.2	10.0	ug/L	1000	ND	89.3	62-167			
Carbon Disulfide	1066	10.0	ug/L	1000	ND	107	71-163			
Methylene Chloride	542.7	50.0	ug/L	501	ND	108	69-140			
Acrylonitrile	529.3	50.0	ug/L	504	ND	105	32-159			
trans-1,2-Dichloroethylene	538.5	10.0	ug/L	501	ND	108	69-144			
1,1-Dichloroethane	535.1	10.0	ug/L	501	ND	107	70-138			
Vinyl Acetate	1496	50.0	ug/L	1420	ND	105	58-142			
cis-1,2-Dichloroethylene	434.4	10.0	ug/L	504	ND	86.3	68-151			
2-Butanone (MEK)	811.0	100	ug/L	1000	ND	81.1	50-160			
Bromochloromethane	376.7	10.0	ug/L	504	ND	74.7	65-143			
Chloroform	420.3	10.0	ug/L	501	ND	83.9	71-143			
1,1,1-Trichloroethane	523.4	10.0	ug/L	501	ND	104	63-133			
Carbon Tetrachloride	541.0	10.0	ug/L	501	ND	108	63-142			
Benzene	514.3	10.0	ug/L	504	ND	102	69-133			
1,2-Dichloroethane	503.2	10.0	ug/L	501	ND	100	63-138			
Trichloroethylene	509.6	10.0	ug/L	501	ND	102	71-133			
1,2-Dichloropropane	506.5	10.0	ug/L	501	ND	101	69-132			
Dibromomethane	488.7	10.0	ug/L	504	ND	97.0	70-147			
Bromodichloromethane	511.8	10.0	ug/L	501	ND	102	67-130			
cis-1,3-Dichloropropene	534.1	10.0	ug/L	501	ND	107	61-126			
4-Methyl-2-pentanone (MIBK)	1124	50.0	ug/L	1000	ND	112	55-147			
Toluene	509.4	10.0	ug/L	505	ND	101	71-133			
trans-1,3-Dichloropropene	523.0	10.0	ug/L	501	ND	104	63-124			
1,1,2-Trichloroethane	499.8	10.0	ug/L	501	ND	99.8	69-133			
Tetrachloroethylene	484.1	10.0	ug/L	501	ND	96.6	70-124			
2-Hexanone (MBK)	1119	50.0	ug/L	1000	ND	112	53-141			
Dibromochloromethane	500.7	10.0	ug/L	501	ND	100	74-122			
1,2-Dibromoethane	505.3	10.0	ug/L	502	ND	101	66-127			
Chlorobenzene	511.9	10.0	ug/L	501	ND	102	76-116			
1,1,1,2-Tetrachloroethane	510.1	10.0	ug/L	503	ND	101	77-121			
Ethylbenzene	549.0	10.0	ug/L	502	ND	109	73-124			
Xylenes, total	1648	20.0	ug/L	1510	ND	109	75-123			
Styrene	540.7	10.0	ug/L	504	ND	107	70-120			
Bromoform	466.8	10.0	ug/L	501	ND	93.1	70-124			
1,2,3-Trichloropropane	489.7	10.0	ug/L	503	ND	97.3	62-135			
trans-1,4-Dichloro-2-butene	972.2	50.0	ug/L	1000	ND	97.2	50-120			
1,1,2,2-Tetrachloroethane	516.0	10.0	ug/L	501	ND	103	63-126			
1,4-Dichlorobenzene	504.0	10.0	ug/L	501	ND	101	72-119			
1,2-Dichlorobenzene	516.9	10.0	ug/L	501	ND	103	71-117			
1,2-Dibromo-3-chloropropane	392.5	50.0	ug/L	501	ND	78.3	49-134			

CERTIFICATE OF ANALYSIS

1IJ1988

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1563 - EPA 5030B - EPA 8260D										
Matrix Spike (1IJ1563-MS1)	**Source: 1IJ1988-01**		Prepared: 10/27/25 00:00 Analyzed: 10/28/25 00:46							
Surrogate: Dibromofluoromethane	*505*		ug/L	*502*		*101*	*57-128*			
Surrogate: Dibromofluoromethane	*505*		ug/L	*502*		*101*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*552*		ug/L	*504*		*110*	*49-135*			
Surrogate: 1,2-Dichloroethane-d4	*552*		ug/L	*504*		*110*	*61-142*			
Surrogate: Toluene-d8	*516*		ug/L	*505*		*102*	*82-116*			
Surrogate: Toluene-d8	*516*		ug/L	*505*		*102*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*513*		ug/L	*502*		*102*	*77-114*			
Surrogate: 4-Bromofluorobenzene	*513*		ug/L	*502*		*102*	*80-116*			
Matrix Spike Dup (1IJ1563-MSD1)	**Source: 1IJ1988-01**		Prepared: 10/27/25 00:00 Analyzed: 10/28/25 01:11							
Chloromethane	301.0	10.0	ug/L	303	ND	99.3	61-152	0.265	26	
Vinyl Chloride	332.5	10.0	ug/L	302	ND	110	66-149	1.61	23	
Bromomethane	314.8	10.0	ug/L	301	ND	105	43-171	5.65	29	
Chloroethane	330.8	10.0	ug/L	303	ND	109	69-148	2.48	25	
Trichlorofluoromethane	317.3	10.0	ug/L	303	ND	105	62-163	1.49	25	
1,1-Dichloroethylene	576.8	10.0	ug/L	501	ND	115	70-148	2.49	22	
Acetone	1206	100	ug/L	1000	ND	121	45-173	2.60	30	
Methyl Iodide	1108	10.0	ug/L	1000	ND	111	62-167	21.5	24	
Carbon Disulfide	1102	10.0	ug/L	1000	ND	110	71-163	3.30	22	
Methylene Chloride	572.6	50.0	ug/L	501	ND	114	69-140	5.36	19	
Acrylonitrile	557.2	50.0	ug/L	504	ND	111	32-159	5.14	30	
trans-1,2-Dichloroethylene	552.1	10.0	ug/L	501	ND	110	69-144	2.49	22	
1,1-Dichloroethane	553.9	10.0	ug/L	501	ND	111	70-138	3.45	20	
Vinyl Acetate	1571	50.0	ug/L	1420	ND	110	58-142	4.92	24	
cis-1,2-Dichloroethylene	547.3	10.0	ug/L	504	ND	109	68-151	23.0	22	R1
2-Butanone (MEK)	1155	100	ug/L	1000	ND	116	50-160	35.0	23	R1
Bromochloromethane	441.6	10.0	ug/L	504	ND	87.6	65-143	15.9	22	
Chloroform	454.8	10.0	ug/L	501	ND	90.8	71-143	7.88	21	
1,1,1-Trichloroethane	475.4	10.0	ug/L	501	ND	94.9	63-133	9.61	23	
Carbon Tetrachloride	539.3	10.0	ug/L	501	ND	108	63-142	0.315	22	
Benzene	510.2	10.0	ug/L	504	ND	101	69-133	0.800	18	
1,2-Dichloroethane	497.5	10.0	ug/L	501	ND	99.3	63-138	1.14	20	
Trichloroethylene	509.8	10.0	ug/L	501	ND	102	71-133	0.0392	23	
1,2-Dichloropropane	502.2	10.0	ug/L	501	ND	100	69-132	0.853	20	
Dibromomethane	489.5	10.0	ug/L	504	ND	97.2	70-147	0.164	22	
Bromodichloromethane	508.0	10.0	ug/L	501	ND	101	67-130	0.745	21	
cis-1,3-Dichloropropene	538.0	10.0	ug/L	501	ND	107	61-126	0.728	21	
4-Methyl-2-pentanone (MIBK)	1115	50.0	ug/L	1000	ND	111	55-147	0.822	23	
Toluene	509.5	10.0	ug/L	505	ND	101	71-133	0.0196	19	
trans-1,3-Dichloropropene	522.2	10.0	ug/L	501	ND	104	63-124	0.153	21	
1,1,2-Trichloroethane	498.0	10.0	ug/L	501	ND	99.4	69-133	0.361	19	
Tetrachloroethylene	482.4	10.0	ug/L	501	ND	96.3	70-124	0.352	24	
2-Hexanone (MBK)	1109	50.0	ug/L	1000	ND	111	53-141	0.906	24	
Dibromochloromethane	502.1	10.0	ug/L	501	ND	100	74-122	0.279	21	

CERTIFICATE OF ANALYSIS

1IJ1988

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1563 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IJ1563-MSD1)	**Source: 1IJ1988-01**	Prepared: 10/27/25 00:00 Analyzed: 10/28/25 01:11								
1,2-Dibromoethane	505.0	10.0	ug/L	502	ND	101	66-127	0.0594	23	
Chlorobenzene	509.2	10.0	ug/L	501	ND	102	76-116	0.529	21	
1,1,1,2-Tetrachloroethane	507.8	10.0	ug/L	503	ND	101	77-121	0.452	25	
Ethylbenzene	545.2	10.0	ug/L	502	ND	109	73-124	0.695	20	
Xylenes, total	1641	20.0	ug/L	1510	ND	109	75-123	0.450	20	
Styrene	539.3	10.0	ug/L	504	ND	107	70-120	0.259	23	
Bromoform	469.4	10.0	ug/L	501	ND	93.7	70-124	0.555	22	
1,2,3-Trichloropropane	482.6	10.0	ug/L	503	ND	95.9	62-135	1.46	28	
trans-1,4-Dichloro-2-butene	963.6	50.0	ug/L	1000	ND	96.4	50-120	0.889	26	
1,1,2,2-Tetrachloroethane	620.6	10.0	ug/L	501	ND	124	63-126	18.4	24	
1,4-Dichlorobenzene	510.0	10.0	ug/L	501	ND	102	72-119	1.18	24	
1,2-Dichlorobenzene	526.1	10.0	ug/L	501	ND	105	71-117	1.76	24	
1,2-Dibromo-3-chloropropane	444.2	50.0	ug/L	501	ND	88.6	49-134	12.4	28	
Surrogate: Dibromofluoromethane	*468*		ug/L	*502*		*93.3*	*57-128*			
Surrogate: Dibromofluoromethane	*468*		ug/L	*502*		*93.3*	*75-136*			
Surrogate: 1,2-Dichloroethane-d4	*566*		ug/L	*504*		*112*	*49-135*			
Surrogate: 1,2-Dichloroethane-d4	*566*		ug/L	*504*		*112*	*61-142*			
Surrogate: Toluene-d8	*515*		ug/L	*505*		*102*	*82-116*			
Surrogate: Toluene-d8	*515*		ug/L	*505*		*102*	*82-121*			
Surrogate: 4-Bromofluorobenzene	*511*		ug/L	*502*		*102*	*77-114*			
Surrogate: 4-Bromofluorobenzene	*511*		ug/L	*502*		*102*	*80-116*			

Metals Total by ICPMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1560 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IJ1560-BLK1)		Prepared: 10/27/25 16:24 Analyzed: 10/28/25 16:46								
Antimony	<0.0010	0.0010	mg/L							
Arsenic	<0.0020	0.0020	mg/L							
Barium	<0.0010	0.0010	mg/L							
Beryllium	<0.0005	0.0005	mg/L							
Cadmium	<0.0002	0.0002	mg/L							
Chromium	<0.0010	0.0010	mg/L							B
Cobalt	<0.0005	0.0005	mg/L							
Copper	<0.0050	0.0050	mg/L							
Lead	<0.0010	0.0010	mg/L							
Nickel	<0.0050	0.0050	mg/L							B
Selenium	<0.0020	0.0020	mg/L							
Silver	<0.0050	0.0050	mg/L							
Thallium	<0.0005	0.0005	mg/L							
Vanadium	<0.0020	0.0020	mg/L							
Zinc	<0.0050	0.0050	mg/L							
LCS (1IJ1560-BS1)		Prepared: 10/27/25 16:24 Analyzed: 10/28/25 16:49								

CERTIFICATE OF ANALYSIS

1IJ1988

Metals Total by ICPMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1560 - EPA 3005A Total Recoverable Metals - EPA 6020A										
LCS (1IJ1560-BS1)				Prepared: 10/27/25 16:24 Analyzed: 10/28/25 16:49						
Antimony	0.101	0.0010	mg/L	0.100		101	80-120			
Arsenic	0.101	0.0020	mg/L	0.100		101	80-120			
Barium	0.110	0.0010	mg/L	0.100		110	80-120			
Beryllium	0.0984	0.0005	mg/L	0.100		98.4	80-120			
Cadmium	0.103	0.0002	mg/L	0.100		103	80-120			
Chromium	0.105	0.0010	mg/L	0.100		105	80-120			
Cobalt	0.112	0.0005	mg/L	0.100		112	80-120			
Copper	0.106	0.0050	mg/L	0.100		106	80-120			
Lead	0.104	0.0010	mg/L	0.100		104	80-120			
Nickel	0.104	0.0050	mg/L	0.100		104	80-120			
Selenium	0.1029	0.0020	mg/L	0.100		103	80-120			
Silver	0.106	0.0050	mg/L	0.100		106	80-120			
Thallium	0.101	0.0005	mg/L	0.100		101	80-120			
Vanadium	0.112	0.0020	mg/L	0.100		112	80-120			
Zinc	0.0996	0.0050	mg/L	0.100		99.6	80-120			
Matrix Spike (1IJ1560-MS1)		**Source: 1IJ1988-01**		Prepared: 10/27/25 16:24 Analyzed: 10/28/25 17:04						
Antimony	0.105	0.0010	mg/L	0.100	ND	105	75-125			
Arsenic	0.102	0.0020	mg/L	0.100	ND	102	75-125			
Barium	0.206	0.0010	mg/L	0.100	0.0912	115	75-125			
Beryllium	0.101	0.0005	mg/L	0.100	ND	101	75-125			
Cadmium	0.104	0.0002	mg/L	0.100	ND	104	75-125			
Chromium	0.106	0.0010	mg/L	0.100	0.0009	105	75-125			
Cobalt	0.108	0.0005	mg/L	0.100	0.00006	108	75-125			
Copper	0.0953	0.0050	mg/L	0.100	0.0014	93.9	75-125			
Lead	0.102	0.0010	mg/L	0.100	ND	102	75-125			
Nickel	0.0993	0.0050	mg/L	0.100	0.0008	98.5	75-125			
Selenium	0.1031	0.0020	mg/L	0.100	ND	103	75-125			
Silver	0.106	0.0050	mg/L	0.100	ND	106	75-125			
Thallium	0.102	0.0005	mg/L	0.100	ND	102	75-125			
Vanadium	0.115	0.0020	mg/L	0.100	ND	115	75-125			
Zinc	0.102	0.0050	mg/L	0.100	0.0070	94.7	75-125			
Matrix Spike Dup (1IJ1560-MSD1)		**Source: 1IJ1988-01**		Prepared: 10/27/25 16:24 Analyzed: 10/28/25 17:06						
Antimony	0.106	0.0010	mg/L	0.100	ND	106	75-125	1.28	20	
Arsenic	0.104	0.0020	mg/L	0.100	ND	104	75-125	1.57	20	
Barium	0.210	0.0010	mg/L	0.100	0.0912	119	75-125	2.13	20	
Beryllium	0.102	0.0005	mg/L	0.100	ND	102	75-125	0.877	20	
Cadmium	0.106	0.0002	mg/L	0.100	ND	106	75-125	1.74	20	
Chromium	0.104	0.0010	mg/L	0.100	0.0009	103	75-125	1.77	20	
Cobalt	0.108	0.0005	mg/L	0.100	0.00006	108	75-125	0.479	20	
Copper	0.0955	0.0050	mg/L	0.100	0.0014	94.1	75-125	0.207	20	
Lead	0.102	0.0010	mg/L	0.100	ND	102	75-125	0.251	20	
Nickel	0.0987	0.0050	mg/L	0.100	0.0008	97.9	75-125	0.611	20	
Selenium	0.1064	0.0020	mg/L	0.100	ND	106	75-125	3.09	20	

CERTIFICATE OF ANALYSIS

1IJ1988

Metals Total by ICPMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1560 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike Dup (1IJ1560-MSD1)	**Source: 1IJ1988-01**		Prepared: 10/27/25 16:24 Analyzed: 10/28/25 17:06							
Silver	0.104	0.0050	mg/L	0.100	ND	104	75-125	1.85	20	
Thallium	0.102	0.0005	mg/L	0.100	ND	102	75-125	0.0561	20	
Vanadium	0.112	0.0020	mg/L	0.100	ND	112	75-125	2.37	20	
Zinc	0.102	0.0050	mg/L	0.100	0.0070	94.5	75-125	0.162	20	
Post Spike (1IJ1560-PS1)	**Source: 1IJ1988-01**		Prepared: 10/27/25 16:24 Analyzed: 10/28/25 17:14							
Antimony	0.0202		mg/L	0.0200	0.0004	98.8	80-120			
Arsenic	0.0204		mg/L	0.0200	0.0002	101	80-120			
Barium	0.110		mg/L	0.0200	0.0912	91.8	80-120			
Beryllium	0.0195		mg/L	0.0200	-0.000006	97.3	80-120			
Cadmium	0.0194		mg/L	0.0200	0.00005	96.9	80-120			
Chromium	0.0199		mg/L	0.0200	0.0009	94.9	80-120			
Cobalt	0.0187		mg/L	0.0200	0.00006	93.4	80-120			
Copper	0.0196		mg/L	0.0200	0.0014	90.9	80-120			
Lead	0.0197		mg/L	0.0200	0.00003	98.4	80-120			
Nickel	0.0197		mg/L	0.0200	0.0008	94.5	80-120			
Selenium	0.0198		mg/L	0.0200	0.0003	97.5	80-120			
Silver	0.0212		mg/L	0.0200	0.00004	106	80-120			
Thallium	0.0200		mg/L	0.0200	0.00001	100	80-120			
Vanadium	0.0197		mg/L	0.0200	0.0002	97.8	80-120			
Zinc	0.0250		mg/L	0.0200	0.0070	90.0	80-120			
Batch 1IJ1761 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IJ1761-BLK1)			Prepared: 10/30/25 13:07 Analyzed: 10/31/25 19:50							
Cadmium	<0.0002	0.0002	mg/L							
Chromium	<0.0010	0.0010	mg/L							B
Copper	<0.0050	0.0050	mg/L							
Lead	<0.0010	0.0010	mg/L							
Zinc	<0.0050	0.0050	mg/L							
LCS (1IJ1761-BS1)			Prepared: 10/30/25 13:07 Analyzed: 10/31/25 19:53							
Cadmium	0.0962	0.0002	mg/L	0.100		96.2	80-120			
Chromium	0.0991	0.0010	mg/L	0.100		99.1	80-120			
Copper	0.0946	0.0050	mg/L	0.100		94.6	80-120			
Lead	0.0950	0.0010	mg/L	0.100		95.0	80-120			
Zinc	0.0986	0.0050	mg/L	0.100		98.6	80-120			
Matrix Spike (1IJ1761-MS1)	**Source: 1IJ2328-01**		Prepared: 10/30/25 13:07 Analyzed: 10/31/25 20:16							
Cadmium	0.100	0.0002	mg/L	0.100	0.0006	99.8	75-125			
Chromium	0.0972	0.0010	mg/L	0.100	0.0011	96.2	75-125			
Copper	0.0925	0.0050	mg/L	0.100	0.0014	92.5	75-125			
Lead	0.0950	0.0010	mg/L	0.100	ND	95.0	75-125			
Zinc	0.103	0.0050	mg/L	0.100	0.0082	95.0	75-125			
Matrix Spike Dup (1IJ1761-MSD1)	**Source: 1IJ2328-01**		Prepared: 10/30/25 13:07 Analyzed: 10/31/25 20:18							
Cadmium	0.103	0.0002	mg/L	0.100	0.0006	102	75-125	2.51	20	

CERTIFICATE OF ANALYSIS

1IJ1988

Metals Total by ICPMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1761 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike Dup (1IJ1761-MSD1)		**Source: 1IJ2328-01**		Prepared: 10/30/25 13:07 Analyzed: 10/31/25 20:18						
Chromium	0.102	0.0010	mg/L	0.100	0.0011	101	75-125	5.10	20	
Copper	0.0941	0.0050	mg/L	0.100	0.0014	94.1	75-125	1.77	20	
Lead	0.0973	0.0010	mg/L	0.100	ND	97.3	75-125	2.33	20	
Zinc	0.105	0.0050	mg/L	0.100	0.0082	96.8	75-125	1.75	20	
Post Spike (1IJ1761-PS1)		**Source: 1IJ2328-01**		Prepared: 10/30/25 13:07 Analyzed: 10/31/25 20:21						
Cadmium	0.0199		mg/L	0.0200	0.0006	96.6	80-120			
Chromium	0.0190		mg/L	0.0200	0.0011	89.9	80-120			
Copper	0.0187		mg/L	0.0200	0.0014	86.7	80-120			
Lead	0.0183		mg/L	0.0200	0.00005	91.4	80-120			
Zinc	0.0252		mg/L	0.0200	0.0082	84.7	80-120			

Definitions

B:	The target analyte was detected in the blank at or above the method acceptance criteria.
R1:	Duplicate RPD is outside acceptance criteria.
RL:	Reporting Limit
RPD:	Relative Percent Difference
S1:	Surrogate recovery is above acceptance limits.
S2:	Surrogate recovery is below acceptance limits.

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 6.0°C

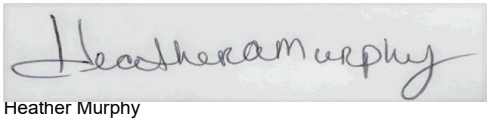
Cooler Inspection Checklist

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
11/05/25 16:44

CHAIN OF CUSTODY RECORD

MICROBAC®
600 East 17th Street South
Newton, IA 50208
Phone: 641-792-8451

SITE INFORMATION

Sampler: TODD WHIPPLE

Project: **FMC SLF - New Regs**
6028

REPORT TO

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

INVOICE TO

Christian Fox
Floyd Mitchell SWMA
3354 330th St
Elma, IA 50628

SPECIAL INSTRUCTIONS

None

Turn Around Time
☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

1IJ1988
HLW Engineering
PM: Heather Murphy

Temperature: 6-0 °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
01-001	**MW-9 (up)**	Aqueous	GRAB	10/21/25	10:15	7	lndfll-app1-metals-6020dfill-app1-voc-group	01
02-001	**MW-14 (up)**	Aqueous	GRAB	10/21/25	10:29	7	lndfll-app1-metals-6020dfill-app1-voc-group	02
03-001	**MW-4 (up)**	Aqueous	GRAB	10/21/25	10:55	7	lndfll-app1-metals-6020dfill-app1-voc-group	03
04-001	**MW-5 (up)**	Aqueous	GRAB	10/21/25	10:40	7	lndfll-app1-metals-6020dfill-app1-voc-group	04
05-001	**MW-11**	Aqueous	GRAB	10/21/25	8:44	7	lndfll-app1-metals-6020dfill-app1-voc-group	05
06-001	**MW-12**	Aqueous	GRAB	10/21/25	8:57	7	lndfll-app1-metals-6020dfill-app1-voc-group	06
07-001	**MW-15**	Aqueous	GRAB	10/21/25	9:10	7	lndfll-app1-metals-6020dfill-app1-voc-group	07
08-001	**MW-16**	Aqueous	GRAB	10/21/25	9:27	7	lndfll-app1-metals-6020dfill-app1-voc-group	08
09-001	**MW-2**	Aqueous	GRAB	10/21/25	8:25	7	lndfll-app1-metals-6020dfill-app1-voc-group	09
10-001	**MW-3**	Aqueous	GRAB	10/21/25	8:10	7	lndfll-app1-metals-6020dfill-app1-voc-group	10

70 15 49 39 1 174 88 69 17

Relinquished By [signature] Date/Time 10/22/25

Received By Date/Time

Relinquished By Date/Time

Received for Lab By [signature] Date/Time 10-22-25 9:30

Remarks:

CHAIN OF CUSTODY RECORD

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

SITE INFORMATION

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Story City, IA 50248

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Christian Fox
Floyd Mitchell SWMA
3354 330th St
Elma, IA 50628

SPECIAL INSTRUCTIONS

None

Turn Around Time
☐ Standard ☐ RUSH, need by ___/___/___

1IJ1988
HLW Engineering
PM: Heather Murphy

Temperature: 6.0°C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
11-001	**MW-6**	Aqueous	GRAB	10/21/25	10:02	7	lndfll-app1-metals-6020,ndfill-app1-voc-group	11 EE-EDF
12-001	**MW-7**	Aqueous	GRAB	10/21/25	9:45	7	lndfll-app1-metals-6020,ndfill-app1-voc-group	12
13-001	**Duplicate**	Aqueous	GRAB	10/21/25	~	1	lndfll-app1-metals-6020,ndfill-app1-voc-group	13

Relinquished By — Date/Time: 10/22/25

Received By — Date/Time

Relinquished By — Date/Time

Received for Lab By: 10-28-25 9:30 — Date/Time

Remarks:

Appendix D

Summary of Turbidity Data

FMC Sanitary Landfill

Field Turbidity Over Time

No-Purge Sampling

	10/14/14	1/12/15	4/14/15	7/21/15	9/22/15	11/24/15	4/12/16	10/11/16	1/17/17	4/20/17	10/12/17	4/23/18
Well	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**
2	23.84		196		8.03		108	132.9		263	30.29	386
3	0.6		0.3		0.41		0.21	0.2		1.61	0.19	1.73
4	113.8	2.44	1.95		1.35		5.79	1.71	40	78.6	0.83	98.9
5	5.82		1.74		6.17	0.21	1.82	5.75		7.32	1.9	3.25
6	22.48		152.3		51.75	2.88	106.2	47.97	265	204	1.7	12.6
7	0.71		1.01		2.29		5.47	2.4	1.52	1.32	0.17	0.77
9	1.01	2.87	0.42	1.34	0.25		0.14	0.56		0.43	0.24	0.39
11	0.96		1.21		11.99		0.43	0.56		2.16	0.26	0.44
12	3.08		0.53		0.06		0.23	0.57		1.23	0.32	1.1
14	2.95	1.81	0.72	6.67	0.12		0.13	0.31		0.56	0.15	1.89
15	1.73		1.06		0.57		0.51	12.55		0.77	0.14	1.6
16												
Max	**113.80**	**21.20**	**196.00**	**8.37**	**51.75**	**2.88**	**108.00**	**132.90**	**265.00**	**263.00**	**30.29**	**386.00**
Min	**0.52**	**1.81**	**0.10**	**1.34**	**0.04**	**0.21**	**0.13**	**0.20**	**0.80**	**0.43**	**0.14**	**0.39**
Median	**3.02**	**2.87**	**1.14**	**6.67**	**1.82**	**1.55**	**1.35**	**2.06**	**20.76**	**1.47**	**0.26**	**1.73**
Average	**14.69**	**7.60**	**28.44**	**5.46**	**6.85**	**1.55**	**18.99**	**16.26**	**76.83**	**46.80**	**3.29**	**46.24**

FMC San

Field Turbic

No-Purg

	7/5/18	10/12/18	4/16/19	10/17/19	4/9/20	10/8/20	4/15/21	10/28/21	4/13/22	10/19/22	4/6/23	10/10/23
Well	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**	**NTU**
2		21.0	3.72	42.7	164.5	51.4	77.78	26.51	40.15	119.00	126	3.96
3	1.37	1.4	0.82	0.62	1.68	3.44	1.38	1.73	1.29	2.83	2.48	3.61
4		18.9	2.11	60	1.22	1.49	2.1	0.8	2.6	134	706	3.78
5		0.8	1.81	1.95	1.08	1.9	2.03	0.96	1.33	2.00	19.2	4.08
6		1.85	13.6	29.8	12.83	7.33	65.82	4.18	7.49	8.7	78	22.29
7		1.92	5.02	0.84	0.71	1.27	1.64	2.91	2.87	1.11	1.25	1.31
9		2.24	0.35	1.03	2.84	1.58	1.71	0.91	1.08	1.33	2.54	1.9
11		0.62	0.59	0.57	0.79	1.86	2.29	1.79	1.81	4.05	11.7	1.75
12		0.44	0.42	0.4	0.89	2.06	1.91	0.81	1.3	12.1	3.77	3.03
14		0.78	2.96	0.76	0.88	1.1	1.61	0.42	0.97	1.55	3.52	2.49
15		0.4	0.52	0.84	1.14	1.68	1.57	0.67	0.98	1.86	10.7	2.58
16				0.66	0.67	1.35	2.7	1.25	0.6	2.17	1.83	3.53
Max	**1.37**	**23.30**	**13.60**	**60.00**	**164.50**	**51.38**	**77.78**	**26.51**	**40.15**	**134.00**	**706.00**	**22.29**
Min	**1.37**	**0.40**	**0.35**	**0.40**	**0.67**	**1.10**	**1.38**	**0.42**	**0.60**	**1.11**	**1.25**	**1.31**
Median	**1.37**	**1.63**	**1.81**	**0.84**	**1.11**	**1.77**	**1.97**	**1.11**	**1.32**	**2.50**	**7.24**	**3.28**
Average	**1.37**	**6.14**	**2.90**	**11.68**	**15.77**	**6.37**	**13.55**	**3.58**	**5.21**	**24.23**	**80.58**	**4.53**

FMC San

Field Turbic

No-Purg

	4/11/24	10/17/24	4/10/25	10/21/25	Max	Min	Ave	Std Dev
Well	**NTU**	**NTU**	**NTU**	**NTU**				
2	14.18	6.25	6.93	0.58	**386.00**	**0.58**	**80.55**	**97.45**
3	1.86	3.22	2.39	1.16	**3.61**	**0.19**	**1.52**	**1.04**
4	3.08	5.7	2.11	0.25	**706.00**	**0.25**	**51.58**	**142.08**
5	2.91	16.80	2.4	0.31	**19.20**	**0.21**	**3.90**	**4.75**
6	19.17	138	168.2	0.73	**265.00**	**0.73**	**57.79**	**73.18**
7	4.33	0.89	1.77	0.3	**5.47**	**0.17**	**1.83**	**1.41**
9	4.09	1.57	1.54	0.27	**4.09**	**0.14**	**1.31**	**1.01**
11	1.62	1.56	1.86	0.3	**11.99**	**0.26**	**2.22**	**3.16**
12	2.38	4.81	1.82	1.06	**12.10**	**0.06**	**1.93**	**2.54**
14	2.08	2.37	1.36	0.30	**6.67**	**0.12**	**1.54**	**1.45**
15	1.92	1.95	2.02	0.29	**12.55**	**0.14**	**2.09**	**3.09**
16	2.43	1.36	1.31	0.23	**3.53**	**0.23**	**1.55**	**0.95**
Max	**19.17**	**138.00**	**168.20**	**1.16**				
Min	**1.62**	**0.89**	**1.31**	**0.23**				
Median	**2.67**	**2.80**	**1.94**	**0.30**				
Average	**5.00**	**15.37**	**16.14**	**0.48**				

Appendix E

Summary of Prediction Limit Exceedances

Spring 2016†		**Fall 2016**	
MW-2	Arsenic	MW-2	Cobalt
			Nickel
			Zinc
MW-4	None	MW-4	Zinc
MW-5	None	MW-5	Barium
MW-6	None	MW-6	Cobalt
MW-7	None	MW-7	Nickel
MW-15	None	MW-15	Bis (2ethylhexyl) phthalate
SW-1	None	SW-1	Cobalt
			Nickel

† Predates use of the validated Site Prediction Limits.

Spring 2017		**Fall 2017**	
MW-2	Arsenic	MW-2	Arsenic
	Cobalt		Cobalt
	Nickel		Nickel
			Zinc
			Bis (2ethylhexyl) phthalate
MW-4	Chromium	MW-4	None
	Cobalt		
	Copper		
	Nickel		
	Zinc		
MW-5	Barium	MW-5	Barium
	Zinc		
MW-6	Cobalt	MW-6	Zinc
MW-7	Zinc	MW-7	None
MW-15	None	MW-15	Bis (2ethylhexyl) phthalate
SW-1	Cobalt	SW-1	Connect to LCS
	Nickel		

Spring 2018		**Fall 2018**	
MW-2	Arsenic	MW-2	Cobalt
	Cobalt		Nickel
	Zinc		Zinc
MW-3	Zinc	MW-3	Zinc
MW-4	Cobalt	MW-4	Cobalt
	Nickel		Nickel
	Zinc		Zinc
	Bis (2ethylhexyl) phthalate		
MW-5	Barium	MW-5	Barium
	Zinc		Zinc
MW-6	Zinc	MW-6	Zinc
	Bis (2ethylhexyl) phthalate		
MW-7	None	MW-7	Zinc
MW-11	None	MW-11	Zinc
MW-12	None	MW-12	Zinc
MW-15	None	MW-15	Zinc
			Bis (2ethylhexyl) phthalate

Spring 2019		**Fall 2019**	
MW-2	Arsenic	MW-2	Nickel
	Cobalt		Zinc
	Nickel		Bis (2ethylhexyl) phthalate
	Zinc		
MW-3	Zinc	MW-3	Bis (2ethylhexyl) phthalate
MW-4	None	MW-4	Cobalt
			Copper
			Nickel
MW-5	None	MW-5	Barium
			Zinc
MW-6	Zinc	MW-6	Bis (2ethylhexyl) phthalate
MW-7	Zinc	MW-7	None
MW-11	Zinc	MW-11	None
MW-12	Bis (2ethylhexyl) phthalate	MW-12	None
MW-15	Zinc	MW-15	Zinc
	Bis (2ethylhexyl) phthalate		Bis (2ethylhexyl) phthalate

Spring 2020		**Fall 2020**	
MW-2	Cobalt	MW-2	Cobalt
MW-6	Cobalt	MW-6	None
MW-12	Bis (2ethylhexyl) phthalate	MW-12	None
MW-16	Cobalt	MW-16	Bis (2ethylhexyl) phthalate
	Nickel		

Spring 2021		**Fall 2021**	
MW-2	Cobalt	MW-2	Bis (2ethylhexyl) phthalate
MW-16	None	MW-16	Bis (2ethylhexyl) phthalate

Spring 2022		**Fall 2022**	
MW-2	Cobalt	MW-2	Arsenic
	Bis (2ethylhexyl) phthalate		Cobalt
			Nickel
MW-6	None	MW-6	Arsenic
			Cobalt
MW-7	None	MW-7	Nickel
MW-12	Copper	MW-12	None
MW-16	None	MW-16	Copper
			Bis (2ethylhexyl) phthalate

Spring 2023		**Fall 2023**	
MW-6	Arsenic	MW-6	None
	Bis (2ethylhexyl) phthalate		

Spring 2024		**Fall 2024**	
MW-6	None	MW-6	Arsenic
			Cobalt

Spring 2025		**Fall 2025**	
MW-3	Cobalt	MW-3	Cobalt
	Nickel		Nickel
MW-6	Arsenic	MW-6	None

Appendix F

Summary of Results - On-Going Assessment Monitoring

Bis(2-ethylhexyl) phthalate detections (ug/L) (Green Highlights = Full Appendix II Samples)

Date	MW-11	MW-12	MW-15	MW-16	MW-2	MW-3	MW-6	MW-7
10/21/2013	NT	NT	**50.0**	---	NT	NT	NT	NT
4/8/2014	<8	NT	<8	---	NT	NT	NT	NT
10/14/2014	<8	NT	<10	---	NT	NT	NT	NT
4/14/2015	NT	NT	**11.0**	---	NT	NT	NT	NT
9/22/2015	NT	NT	<10	---	NT	NT	NT	NT
4/12/2016	NT	NT	<10	---	NT	NT	NT	NT
10/11/2016	NT	NT	**19.0**	---	<8	NT	NT	NT
4/20/2017	NT	NT	<6	---	NT	NT	<6	<6
10/12/2017	NT	NT	**15.0**	---	**35.0**	NT	NT	NT
4/23/2018	NT	NT	<6	---	<6	NT	**6.0**	<6
7/5/2018	NT	NT	NT	---	NT	NT	**8.0**	NT
10/12/2018	NT	NT	**6.0**	---	<6	<6	<6	NT
4/16/2019	<6	**16.0**	**7.0**	---	<6	NT	<6	NT
10/17/2019	NT	<6	**7.0**	---	**25.0**	<6	**10.0**	NT
4/9/2020	NT	**16.0**	<6	NT	<6	NT	<6	NT
10/8/2020	NT	<6	<6	**8.0**	<6	NT	<6	NT
12/9/2020	NT	NT	NT	<6	NT	NT	NT	NT
4/15/2021	NT	<6	<6	NT	<6	NT	<6	NT
10/28/2021	NT	<6	<6	**6.0**	**12.0**	NT	<6	NT
4/13/2022	NT	<6	<6	lab error	**11.0**	NT	<6	NT
10/19/2022	NT	NT	NT	**19.0**	<6	NT	NT	NT
4/6/2023	NT	NT	NT	<6	NT	NT	**7.0**	<6
10/10/2023	NT	NT	NT	NT	NT	NT	<6	NT
4/11/2024	<6	NT	<6	NT	NT	NT	NT	NT
10/17/2024	NT	NT	NT	NT	NT	<6	NT	NT
4/10/2025	NT	<6	NT	NT	NT	NT	NT	NT
10/21/2025	NT	NT	NT	NT	NT	NT	NT	NT

Appendix G

Leachate Collection System Performance Evaluation Report

Appendix G.1 - Treatment Agreement with Osage POTW

STATE OF IOWA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROGRAM
AMENDMENT TO NPDES PERMIT

Iowa NPDES Permit #	6663001
Date of Issuance:	February 1, 2025
Date of Expiration:	January 31, 2030
Date of this Amendment:	**July 1, 2025**
EPA NUMBER:	IA0032956

Name and Mailing Address of Applicant:
CITY OF OSAGE
PO BOX 29
OSAGE IA 50461-0029

Identity and Location of Facility:
OSAGE CITY OF STP
OFF OF 357TH STREEET, WEST OF TOWN
OSAGE IA 50461-0029

Section 26, T98N, R17W, Mitchell 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:

Enclosed is a copy of the NPDES permit amendment for the City of Osage's wastewater treatment facility. This amendment is fixing an error in regard to the Mitchell County limits. TKN was incorrectly included in the permit and has been corrected to Total Nitrogen.

Please replace your entire permit with the enclosed permit.

For the Department of Natural Resources:

By_____
Ryan Olive
NPDES Section

ENVIRONMENTAL SERVICES DIVISION

IOWA DEPARTMENT OF NATURAL RESOURCES

National Pollutant Discharge Elimination System (NPDES) Permit

OWNER NAME & ADDRESS

CITY OF OSAGE
806 MAIN STREET
PO BOX 29
OSAGE, IA 50461-0029

FACILITY NAME & ADDRESS

OSAGE CITY OF STP
OFF OF 357TH STREET, WEST OF
TOWN
OSAGE, IA 50461-0029

Section 26, T98N, R17W
Mitchell County

IOWA NPDES PERMIT NUMBER: 6663001
DATE OF ISSUANCE: 02/01/2025
DATE OF EXPIRATION: 01/31/2030

YOU ARE REQUIRED TO FILE FOR RENEWAL OF THIS PERMIT BY: 08/04/2029
EPA NUMBER: IA0032956

This permit is issued pursuant to the authority of section 402(b) of the Clean Water Act (33 U.S.C. 1342(b)), Iowa Code section 455B.174, and rule 567-64.3, Iowa Administrative Code. You are authorized to operate the disposal system and to discharge the pollutants specified in this permit in accordance with the effluent limitations, monitoring requirements and other terms set forth in this permit.

Pursuant to rule 561-7.4, Iowa Administrative Code, you may appeal any condition of this permit by filing a written notice of appeal and request for administrative hearing with the director of the department within 60 days of permit issuance.

Any existing, unexpired Iowa operation permit or Iowa NPDES permit previously issued by the department for the facility identified above is revoked by the issuance of this permit. This provision does not apply to any authorization to discharge under the terms and conditions of a general permit issued by the department or to any permit issued exclusively for the discharge of stormwater.

FOR THE DEPARTMENT OF NATURAL RESOURCES

By _____

Ryan Olive
NPDES Section, Environmental Services Division

Facility Name: OSAGE CITY OF STP

Permit Number: 6663001

Outfall No.: 001 DISCHARGE FROM AN ACTIVATED SLUDGE WASTEWATER TREATMENT FACILITY.

Receiving Stream: SUGAR CREEK

Route of Flow: SUGAR 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: OSAGE CITY OF STP

Permit Number: 6663001

Effluent Limitations:

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

001 DISCHARGE FROM AN ACTIVATED SLUDGE WASTEWATER TREATMENT FACILITY.

Outfall: 001 Effective Dates: 02/01/2025 to 01/31/2030				
Parameter	**Season**	**Limit Type**	**Limits**	
CBOD5			**85% Removal Required**	
	Yearly	7 Day Average	40 MG/L	357 LBS/DAY
	Yearly	30 Day Average	25 MG/L	223 LBS/DAY
TOTAL SUSPENDED SOLIDS			**85% Removal Required**	
	Yearly	7 Day Average	45 MG/L	402 LBS/DAY
	Yearly	30 Day Average	30 MG/L	268 LBS/DAY
NITROGEN, TOTAL (AS N)				
	Yearly	30 Day Average	239.2 LBS/DAY	
	Yearly	Daily Maximum	391.5 LBS/DAY	
COPPER, TOTAL (AS CU)				
	Yearly	30 Day Average	0.01757 MG/L	0.1563 LBS/DAY
	Yearly	Daily Maximum	0.02700 MG/L	0.2411 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	4.9 MG/L	
PH				
	Yearly	Daily Maximum	9.0 STD UNITS	
	Yearly	Daily Minimum	6.5 STD UNITS	
E. COLI				
	Yearly	Geometric Mean	126 #/100 ML	

Facility Name: OSAGE CITY OF STP

Permit Number: 6663001

Outfall: 001 Effective Dates: 02/01/2025 to 01/31/2030				
Parameter	**Season**	**Limit Type**	**Limits**	
AMMONIA NITROGEN (N)				
	JAN	30 Day Average	4.1 MG/L	35.8 LBS/DAY
	JAN	Daily Maximum	15.3 MG/L	136.2 LBS/DAY
	FEB	30 Day Average	4.7 MG/L	41.4 LBS/DAY
	FEB	Daily Maximum	14.3 MG/L	127.4 LBS/DAY
	MAR	30 Day Average	2.5 MG/L	21.9 LBS/DAY
	MAR	Daily Maximum	14.7 MG/L	131.7 LBS/DAY
	APR	30 Day Average	1.8 MG/L	16.0 LBS/DAY
	APR	Daily Maximum	15.8 MG/L	140.7 LBS/DAY
	MAY	30 Day Average	2.1 MG/L	18.2 LBS/DAY
	MAY	Daily Maximum	15.2 MG/L	136.1 LBS/DAY
	JUN	30 Day Average	1.6 MG/L	13.7 LBS/DAY
	JUN	Daily Maximum	14.5 MG/L	129.4 LBS/DAY
	JUL	30 Day Average	1.2 MG/L	10.5 LBS/DAY
	JUL	Daily Maximum	17.6 MG/L	157.6 LBS/DAY
	AUG	30 Day Average	1.1 MG/L	10.0 LBS/DAY
	AUG	Daily Maximum	16.3 MG/L	145.4 LBS/DAY
	SEP	30 Day Average	1.3 MG/L	11.1 LBS/DAY
	SEP	Daily Maximum	16.5 MG/L	147.8 LBS/DAY
	OCT	30 Day Average	1.9 MG/L	16.3 LBS/DAY
	OCT	Daily Maximum	15.8 MG/L	140.7 LBS/DAY
	NOV	30 Day Average	2.8 MG/L	24.4 LBS/DAY
	NOV	Daily Maximum	14.7 MG/L	131.6 LBS/DAY
	DEC	30 Day Average	3.0 MG/L	26.0 LBS/DAY
	DEC	Daily Maximum	16.0 MG/L	143.0 LBS/DAY

Facility Name: OSAGE CITY OF STP

Permit Number: 6663001

Outfall: 001 Effective Dates: 01/01/2030 to 01/31/2030				
Parameter	**Season**	**Limit Type**	**Limits**	
CHLORIDE (AS CL)				
	Yearly	30 Day Average	403 MG/L	3,591 LBS/DAY
	Yearly	Daily Maximum	631 MG/L	5,635 LBS/DAY

Facility Name: OSAGE CITY OF STP
Permit Number: 6663001

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: OSAGE CITY OF STP
Permit Number: 6663001

Outfall	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
The following monitoring requirements shall be in effect from 02/01/2025 to 01/31/2030				
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	RAW WASTE - TOTAL
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	RAW WASTE - STORM WATER BASIN RETURN
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	RAW WASTE - STORM WATER BASIN INFLUENT
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	RAW WASTE - MECHANICAL PLANT INFLUENT
001	BIOCHEMICAL OXYGEN DEMAND (BOD5)	2 TIMES PER WEEK	24 HOUR COMPOSITE	RAW WASTE
001	NITROGEN, TOTAL (AS N)	1 TIME PER WEEK	24 HOUR COMPOSITE	RAW WASTE
001	NITROGEN, TOTAL KJELDAHL (AS N)	1 EVERY MONTH	24 HOUR COMPOSITE	RAW WASTE
001	PH	2 TIMES PER WEEK	GRAB	RAW WASTE
001	PHOSPHORUS, TOTAL (AS P)	1 TIME PER WEEK	24 HOUR COMPOSITE	RAW WASTE
001	TEMPERATURE	2 TIMES PER WEEK	GRAB	RAW WASTE
001	TOTAL SUSPENDED SOLIDS	1 TIME PER WEEK	24 HOUR COMPOSITE	RAW WASTE
001	ACUTE TOXICITY, CERIODAPHNIA	1 EVERY 12 MONTHS	24 HOUR COMPOSITE	FINAL EFFLUENT
001	ACUTE TOXICITY, PIMEPHALES	1 EVERY 12 MONTHS	24 HOUR COMPOSITE	FINAL EFFLUENT
001	AMMONIA NITROGEN (N)	2 TIMES PER WEEK	24 HOUR COMPOSITE	FINAL EFFLUENT
001	CBOD5	2 TIMES PER WEEK	24 HOUR COMPOSITE	FINAL EFFLUENT

Facility Name: OSAGE CITY OF STP

Permit Number: 6663001

Outfall	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
The following monitoring requirements shall be in effect from 02/01/2025 to 01/31/2030				
001	CHLORIDE (AS CL)	1 TIME PER WEEK	24 HOUR COMPOSITE	FINAL EFFLUENT
001	COPPER, TOTAL (AS CU)	1 EVERY 2 WEEKS	24 HOUR COMPOSITE	FINAL EFFLUENT
001	DISSOLVED OXYGEN	2 TIMES PER WEEK	GRAB	FINAL EFFLUENT
001	E. COLI	GEO. MEAN 1/3 MONTHS	GRAB	FINAL EFFLUENT
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	FINAL EFFLUENT
001	NITROGEN, TOTAL (AS N)	1 TIME PER WEEK	24 HOUR COMPOSITE	FINAL EFFLUENT
001	PH	2 TIMES PER WEEK	GRAB	FINAL EFFLUENT
001	PHOSPHORUS, TOTAL (AS P)	1 TIME PER WEEK	24 HOUR COMPOSITE	FINAL EFFLUENT
001	TEMPERATURE	2 TIMES PER WEEK	GRAB	FINAL EFFLUENT
001	TOTAL SUSPENDED SOLIDS	1 TIME PER WEEK	24 HOUR COMPOSITE	FINAL EFFLUENT

Facility Name: OSAGE CITY OF STP

Permit Number: 6663001

Special Monitoring Requirements

Outfall # **Description**

001 **FLOW**

To calculate the total raw waste flow (TOTAL RAW WASTE FLOW = MECHANICAL PLANT INFLUENT+ INFLUENT TO STORM WATER RETENTION BASIN- STORM WATER BASIN RETURN)

CBOD5

If the CBOD5 sample is taken post disinfection, the sample must be seeded at the laboratory prior to analysis.

NITROGEN, TOTAL (AS N)

Total nitrogen shall be determined by testing for Total Kjeldahl Nitrogen (TKN) and nitrate + nitrite nitrogen and reporting the sum of the TKN and nitrate + nitrite results (reported as N). Nitrate + nitrite can be analyzed together or separately.

E. COLI

The limit for E. coli specified in the limit pages of this permit is a geometric mean. The disinfection season is established in the Iowa Administrative Code, Subparagraph 567 IAC 61.3(3)“a”(1), and is in effect year-round. 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 sample period during the year. The recreational season sample periods are March 15 – May 31, June 1 – August 31, and September 1 – November 15. The winter sampling period is November 16 – March 14. For example, for the winter sample period, the operator may choose January 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 December or February as well, as long as each of the 5 samples are collected during a single calendar month. The same principle applies to the other three sample periods during the year. The following requirements apply to the individual samples collected in one calendar month:
Samples must be spaced over one calendar month.
No more than one sample can be collected on any one day.
There must be a minimum of two days between each sample.
No more than two samples may be collected in a period of seven consecutive days.

If the effluent has been disinfected using chlorine, ultraviolet light (UV), or any other process intended to disrupt the biological integrity of the E. coli, the samples shall be analyzed using the Most Probable Number method found in Standard Method 9223B (Colilert® or Colilert-18® made by IDEXX Laboratories, Inc.). If the effluent has not been disinfected the samples may be analyzed using either the MPN method above or EPA Method 1603: Escherichia coli (E. coli) in water by membrane filtration using modified membrane-thermotolerant E. coli agar (modified mTEC) or mColiBlue-24® made by the Hach Company.

The geometric mean must be calculated using all valid sample results collected during a month. The geometric mean formula is as follows: Geometric Mean = (Sample one * Sample two * Sample three * Sample four *Sample five…Sample N)^(1/N), which is the Nth root of the result of the multiplication of all of the sample results where N = the number of samples. If a sample result is a less than value, the value reported by the lab without the less than sign should be used in the geometric mean calculation.

METALS

Sample and analyze your final effluent for parameters listed below at the frequency shown on the Monitoring and Reporting Requirements pages of this permit. EPA approved test methods shall be used to test at a detection level at or below the levels listed after each parameter. If a sample result is not at a detection level which is low enough to demonstrate compliance with the limit in the permit, the facility will be considered to be non-compliant with that limit.

Copper 0.01757 mg/L

Facility Name: OSAGE CITY OF STP
Permit Number: 6663001

Significant Industrial User Discharges:

Significant Industrial User: A-Z DRYING COMPANY (SOUTH PLANT)

Outfall #	**Outfall Description**
001	NORTH PLANT EFFLUENT PRIOR TO DISCHARGE TO CITY SEWER.
002	**SOUTH PLANT EFFLUENT PRIOR TO DISCHARGE TO CITY SEWER.**

Significant Industrial User Effluent Limitations

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

A-Z DRYING COMPANY (SOUTH PLANT)
Outfall: 002 Effective Dates: 02/01/2025 to 01/31/2030

Parameter	Season	Limit Type	Limit Values
FLOW			
	Yearly	30 Day Average	0.075 MGD
	Yearly	DAILY MAXIMUM	0.175 MGD
BIOCHEMICAL OXYGEN DEMAND (BOD5)			
	Yearly	30 Day Average	400 LBS/DAY
	Yearly	DAILY MAXIMUM	500 LBS/DAY
TOTAL SUSPENDED SOLIDS			
	Yearly	30 Day Average	475 LBS/DAY
	Yearly	DAILY MAXIMUM	710 LBS/DAY
PH			
	Yearly	DAILY MAXIMUM	9.0 STD UNITS
	Yearly	DAILY MINIMUM	6.0 STD UNITS

Facility Name: OSAGE CITY OF STP
Permit Number: 6663001

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: OSAGE CITY OF STP
Permit Number: 6663001

A-Z DRYING COMPANY (SOUTH PLANT)				
Outfall	**Wastewater Parameter**	**Sample Frequency**	**Sample Type**	**Monitoring Location**
002	BIOCHEMICAL OXYGEN DEMAND (BOD5)	1 TIME PER WEEK	24 HOUR COMPOSITE	PRIOR TO DISCHARGE TO CITY SEWER
002	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	PRIOR TO DISCHARGE TO CITY SEWER
002	PH	1 TIME PER WEEK	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
002	TOTAL SUSPENDED SOLIDS	1 EVERY MONTH	24 HOUR COMPOSITE	PRIOR TO DISCHARGE TO CITY SEWER

Facility Name: OSAGE CITY OF STP
Permit Number: 6663001

Significant Industrial User Discharges:

Significant Industrial User: FOX RIVER MILLS INC.

Outfall # **Outfall Description**

001 **EFFLUENT (WASTE) PRIOR TO DISCHARGE TO MUNICIPAL COLLECTION SYSTEM.**

Significant Industrial User Effluent Limitations

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

FOX RIVER MILLS INC. ***Outfall: 001 Effective Dates: 02/01/2025 to 01/31/2030***			
Parameter	**Season**	**Limit Type**	**Limit Values**
FLOW			
	Yearly	30 Day Average	0.150 MGD
	Yearly	DAILY MAXIMUM	0.200 MGD
BIOCHEMICAL OXYGEN DEMAND (BOD5)			
	Yearly	30 Day Average	350 LBS/DAY
	Yearly	DAILY MAXIMUM	500 LBS/DAY
TOTAL SUSPENDED SOLIDS			
	Yearly	30 Day Average	200 LBS/DAY
	Yearly	DAILY MAXIMUM	350 LBS/DAY
PH			
	Yearly	DAILY MAXIMUM	9.3 STD UNITS
	Yearly	DAILY MINIMUM	5.7 STD UNITS

Facility Name: OSAGE CITY OF STP
Permit Number: 6663001

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: OSAGE CITY OF STP
Permit Number: 6663001

FOX RIVER MILLS INC.				
Outfall	**Wastewater Parameter**	**Sample Frequency**	**Sample Type**	**Monitoring Location**
001	BIOCHEMICAL OXYGEN DEMAND (BOD5)	1 TIME PER WEEK	24 HOUR COMPOSITE	PRIOR TO DISCHARGE TO CITY SEWER
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	PRIOR TO DISCHARGE TO CITY SEWER
001	PH	1 TIME PER WEEK	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	TOTAL SUSPENDED SOLIDS	1 EVERY MONTH	24 HOUR COMPOSITE	PRIOR TO DISCHARGE TO CITY SEWER

Facility Name: OSAGE CITY OF STP
Permit Number: 6663001

Significant Industrial User Discharges:

Significant Industrial User: FLOYD-MITCHELL SOLID WASTE MANAGEMENT AGENCY

Outfall # **Outfall Description**

001 **LANDFILL LEACHATE TRANSPORTED TO THE TREATMENT PLANT FOR DISPOSAL.**

Significant Industrial User Effluent Limitations

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

FLOYD-MITCHELL SOLID WASTE MANAGEMENT AGENCY ***Outfall: 001 Effective Dates: 02/01/2025 to 01/31/2030***			
Parameter	**Season**	**Limit Type**	**Limit Values**
FLOW			
	Yearly	30 Day Average	0.010 MGD
	Yearly	DAILY MAXIMUM	0.012 MGD
BIOCHEMICAL OXYGEN DEMAND (BOD5)			
	Yearly	30 Day Average	50 LBS/DAY
	Yearly	DAILY MAXIMUM	60 LBS/DAY
TOTAL SUSPENDED SOLIDS			
	Yearly	30 Day Average	35 LBS/DAY
	Yearly	DAILY MAXIMUM	65 LBS/DAY
NITROGEN, TOTAL KJELDAHL (AS N)			
	Yearly	30 Day Average	13 LBS/DAY
	Yearly	DAILY MAXIMUM	24 LBS/DAY
PH			
	Yearly	DAILY MAXIMUM	9.0 STD UNITS
	Yearly	DAILY MINIMUM	6.2 STD UNITS

Facility Name: OSAGE CITY OF STP
Permit Number: 6663001

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: OSAGE CITY OF STP
Permit Number: 6663001

FLOYD-MITCHELL SOLID WASTE MANAGEMENT AGENCY				
Outfall	**Wastewater Parameter**	**Sample Frequency**	**Sample Type**	**Monitoring Location**
001	BIOCHEMICAL OXYGEN DEMAND (BOD5)	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	FLOW	7/WEEK OR DAILY	ESTIMATED	PRIOR TO DISCHARGE TO CITY SEWER
001	NITROGEN, TOTAL KJELDAHL (AS N)	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	PH	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	SANITARY LANDFILL LEACHATE	1 EVERY 12 MONTHS	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	TOTAL SUSPENDED SOLIDS	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO CITY SEWER

Facility Name: OSAGE CITY OF STP
Permit Number: 6663001

ADDITIONAL MONITORING REQUIREMENTS

FLOYD-MITCHELL SOLID WASTE MANAGEMENT AGENCY

In addition to the monitoring requirements listed on page 19, the landfill shall analyze a representative sample of the leachate discharge from Floyd-Mitchell Solid Waste Management Agency at least annually for each of the pollutants listed below.

Pollutant

Biochemical Oxygen Demand (BOD5)
Total Suspended Solids
Ammonia Nitrogen (NH3-N)
Oil and Grease (O&G)
pH
Chloride (as Cl)
Sulfate (as SO4)
Arsenic, Total (as As)
Chromium, Total (as Cr)
Copper, Total (as Cu)
Iron, Total (as Fe)
Lead, Total (as Pb)
Nickel, Total (as Ni)
Selenium, Total (as Se)
Zinc, Total (as Zn)
Benzoic Acid
Chlorobenzene
Ethylbenzene
p-Cresol
Phenol
Toluene

The permittee will indicate completion of the annual leachate monitoring by entering a "1" in the "LEACHAT" column on the Discharge Monitoring Report (DMR) spreadsheet on the day that the samples are collected. Select the No Discharge Indicator "NOT REQUIRED/MP" on the DMR spreadsheet during the months that the monitoring is not required.

Results of annual monitoring shall be submitted to the addresses below:

NPDES.mail@dnr.iowa.gov
Subject: Landfill Leachate Scan (6663001)

Iowa DNR Field Office 2
2300 15th St SW
Mason City, IA 50401

Facility Name: OSAGE CITY OF STP
Permit Number: 6663001

Significant Industrial User Discharges:

Significant Industrial User: MITCHELL COUNTY INDUSTRIAL PRETREATMENT FACILITY

Outfall # **Outfall Description**

001 **EFFLUENT (WASTE) PRIOR TO DISCHARGE TO MUNICIPAL COLLECTION SYSTEM**

Significant Industrial User Effluent Limitations

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

MITCHELL COUNTY INDUSTRIAL PRETREATMENT FACILITY ***Outfall: 001 Effective Dates: 02/01/2025 to 01/31/2030***			
Parameter	**Season**	**Limit Type**	**Limit Values**
FLOW			
	Yearly	30 Day Average	0.200 MGD
	Yearly	DAILY MAXIMUM	0.250 MGD
BIOCHEMICAL OXYGEN DEMAND (BOD5)			
	Yearly	30 Day Average	625 LBS/DAY
	Yearly	DAILY MAXIMUM	750 LBS/DAY
TOTAL SUSPENDED SOLIDS			
	Yearly	30 Day Average	535 LBS/DAY
	Yearly	DAILY MAXIMUM	640 LBS/DAY
NITROGEN, TOTAL (AS N)			
	Yearly	30 Day Average	150 LBS/DAY
	Yearly	DAILY MAXIMUM	180 LBS/DAY
OIL AND GREASE			
	Yearly	30 Day Average	200 MG/L
	Yearly	DAILY MAXIMUM	300 MG/L
PH			
	Yearly	DAILY MAXIMUM	9.5 STD UNITS
	Yearly	DAILY MINIMUM	6.0 STD UNITS

Facility Name: OSAGE CITY OF STP
Permit Number: 6663001

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: OSAGE CITY OF STP
Permit Number: 6663001

MITCHELL COUNTY INDUSTRIAL PRETREATMENT FACILITY				
Outfall	**Wastewater Parameter**	**Sample Frequency**	**Sample Type**	**Monitoring Location**
001	BIOCHEMICAL OXYGEN DEMAND (BOD5)	2 TIMES PER WEEK	24 HOUR COMPOSITE	PRIOR TO DISCHARGE TO CITY SEWER
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	PRIOR TO DISCHARGE TO CITY SEWER
001	NITROGEN, TOTAL (AS N)	2 TIMES PER WEEK	24 HOUR COMPOSITE	PRIOR TO DISCHARGE TO CITY SEWER
001	OIL AND GREASE	1 TIME PER WEEK	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	PH	2 TIMES PER WEEK	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	TOTAL SUSPENDED SOLIDS	1 TIME PER WEEK	24 HOUR COMPOSITE	PRIOR TO DISCHARGE TO CITY SEWER

Facility Name: OSAGE CITY OF STP
Permit Number: 6663001

Significant Industrial User Discharges:

Significant Industrial User: VALENT BIOSCIENCES LLC (Utility & Low Load)

Outfall #	Outfall Description
001	COOLING TOWER BLOWDOWN, RO CONCENTRATE, BOILER BLOWDOWN WATER, LOW LOADING WATER

Significant Industrial User Effluent Limitations

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

VALENT BIOSCIENCES LLC (Utility & Low Load) *Outfall: 001 Effective Dates: 02/01/2025 to 01/31/2030*			
Parameter	**Season**	**Limit Type**	**Limit Values**
FLOW			
	Yearly	30 Day Average	0.150 MGD
	Yearly	DAILY MAXIMUM	0.250 MGD
BIOCHEMICAL OXYGEN DEMAND (BOD5)			
	Yearly	30 Day Average	200 LBS/DAY
	Yearly	DAILY MAXIMUM	250 LBS/DAY
TOTAL SUSPENDED SOLIDS			
	Yearly	30 Day Average	100 LBS/DAY
	Yearly	DAILY MAXIMUM	150 LBS/DAY
AMMONIA NITROGEN (N)			
	Yearly	30 Day Average	45 LBS/DAY
	Yearly	DAILY MAXIMUM	54 LBS/DAY
NITROGEN, TOTAL KJELDAHL (AS N)			
	Yearly	30 Day Average	85 LBS/DAY
	Yearly	DAILY MAXIMUM	105 LBS/DAY
OIL AND GREASE			
	Yearly	30 Day Average	200 MG/L
	Yearly	DAILY MAXIMUM	300 MG/L

Facility Name: OSAGE CITY OF STP

Permit Number: 6663001

VALENT BIOSCIENCES LLC (Utility & Low Load) *Outfall: 001 Effective Dates: 02/01/2025 to 01/31/2030*			
Parameter	**Season**	**Limit Type**	**Limit Values**
PH			
	Yearly	DAILY MAXIMUM	9.5 STD UNITS
	Yearly	DAILY MINIMUM	6.0 STD UNITS

Facility Name: OSAGE CITY OF STP
Permit Number: 6663001

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: OSAGE CITY OF STP
Permit Number: 6663001

VALENT BIOSCIENCES LLC (Utility & Low Load)				
Outfall	**Wastewater Parameter**	**Sample Frequency**	**Sample Type**	**Monitoring Location**
001	AMMONIA NITROGEN (N)	1 TIME PER WEEK	24 HOUR COMPOSITE	PRIOR TO DISCHARGE TO CITY SEWER
001	BIOCHEMICAL OXYGEN DEMAND (BOD5)	1 TIME PER WEEK	24 HOUR COMPOSITE	PRIOR TO DISCHARGE TO CITY SEWER
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	PRIOR TO DISCHARGE TO CITY SEWER
001	NITROGEN, TOTAL KJELDAHL (AS N)	1 TIME PER WEEK	24 HOUR COMPOSITE	PRIOR TO DISCHARGE TO CITY SEWER
001	OIL AND GREASE	1 EVERY 2 WEEKS	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	PH	1 TIME PER WEEK	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	TOTAL SUSPENDED SOLIDS	1 EVERY 2 WEEKS	24 HOUR COMPOSITE	PRIOR TO DISCHARGE TO CITY SEWER

Facility Name: OSAGE CITY OF STP

Permit Number: 6663001

Outfall Number: 001

Ceriodaphnia and Pimephales Toxicity Effluent Testing

1. For facilities that have not been required to conduct toxicity testing by a previous NPDES permit, the initial annual toxicity test shall be conducted within three (3) months of permit issuance. For facilities that have been required to conduct toxicity testing by a previous NPDES permit, the initial annual toxicity test shall be conducted within twelve months (12) of the last toxicity test.

2. The test organisms that shall be used for acute toxicity testing are Ceriodaphnia dubia and Pimephales promelas. The acute toxicity testing procedures used to demonstrate compliance with permit limits shall be those listed in 567 IAC 63.4 and 40 CFR Part 136 and adopted by reference in rule 567 IAC 63.1(1). The method for measuring acute toxicity is specified in the EPA document EPA-821-R-02-012, Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, 5th edition, October 2002.

3. The diluted effluent sample must contain a minimum of 99.60 % effluent and no more than 0.40 % of culture water.

4. One valid positive toxicity result will require, at a minimum, quarterly testing for effluent toxicity until three successive tests are determined not to be positive.

5. Two successive valid positive toxicity results or three positive results out of five successive valid effluent toxicity tests will require a toxicity reduction evaluation to be completed to eliminate the toxicity.

6. A non-toxic test result shall be indicated as a "1" on the discharge monitoring report (DMR). A toxic test result shall be indicated as a "2" on the DMR. DNR Form 542-1381 shall also be submitted to the DNR field office along with the DMR.

Ceriodaphnia and Pimephales Toxicity Effluent Limits

The maximum limit of "1" for the parameters Acute Toxicity, Ceriodaphnia and Acute Toxicity, Pimephales means no positive toxicity results.

Definition: "Positive toxicity result" means a statistical difference of mortality rate between the control and the diluted effluent sample. For more information, see the EPA document EPA-821-R-02-012, Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, 5th edition, October 2002.

Facility Name: OSAGE CITY OF STP

Permit Number: 6663001

Design Capacity

Design: 2

The design capacity for the treatment works is specified in Construction Permit Number 2014-0010-S, issued July 10, 2013. The treatment plant is designed to treat:

* An average dry weather (ADW) flow of 0.968 Million Gallons Per Day (MGD).
* An average wet weather (AWW) flow of 1.071 Million Gallons Per Day (MGD).
* A maximum wet weather (MWW) flow of 1.693 Million Gallons Per Day (MGD).
* A design 5-day biochemical oxygen demand (BOD5) load of 2,465 lbs/day.
* A design Total Kjeldahl Nitrogen (TKN) load of 317 lbs/day.
* A design Total Suspended Solids (TSS) load of 2,830 lbs/day

Operator Certification Type/Grade: WW/III

Wastes in such volumes or quantities as to exceed the design capacity of the treatment works or reduce the effluent quality below that specified in the operation permit of the treatment works are considered to be a waste which interferes with the operation or performance of the treatment works and are prohibited by subrule IAC 567-62.1(7).

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: OSAGE CITY OF STP
Permit Number: 6663001

SIGNIFICANT INDUSTRIAL USER LIMITATIONS, MONITORING AND REPORTING REQUIREMENTS

1. You must enforce the pollutant limits for each significant industrial user that are listed elsewhere in this permit. Violation of a treatment agreement limit is prohibited by subrule 567 IAC 62.1(6). Monitoring of each significant industrial user is required elsewhere in this permit.

2. Monitoring of each significant industrial user is required elsewhere in this permit. Results of the required monitoring shall be included on your discharge monitoring report, which must be submitted by the fifteenth of the following month.

3. You are required to notify the department, in writing, of any of the following:

   (a) 180 days prior to the introduction of pollutants to your facility from a significant industrial user. A significant industrial user means an industrial user of a treatment works that:
      (1) Discharges an average of 25,000 gallons per day or more of process wastewater excluding sanitary, noncontact cooling and boiler blowdown wastewater;
      (2) Contributes a process waste stream which makes up five percent or more of the average dry weather hydraulic or organic capacity of the publicly-owned treatment works;
      (3) Is subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N; or
      (4) Is designated by the department as a significant industrial user on the basis that the contributing industry, either singly or in combination with other contributing industries, has a reasonable potential for adversely affecting the operation of or effluent quality from the publicly-owned treatment works or for violating any pretreatment standards or requirements.

   (b) 60 days prior to a proposed expansion, production increase or process modification that may result in the discharge of a new pollutant or a discharge in excess of limitations stated in the existing treatment agreement.

   (c) 10 days prior to any commitment by you to accept waste from any new significant industrial user. Your written notification must include a new or revised treatment agreement in accordance with rule 64.3(5)(455B).

4. You shall require all users of your facility to comply with Sections 204(b), 307, and 308 of the Clean Water Act.

   (a) Section 204(b) requires that all users of the treatment works constructed with funds provided under Sections 201(g) or 601 of the Act to pay their proportionate share of the costs of operation, maintenance and replacement of the treatment works.

   (b) Section 307 of the Act requires users to comply with pretreatment standards promulgated by EPA for pollutants that would cause interference with the treatment process or would pass through the treatment works.

   (c) Section 308 of the Act requires users to allow access at reasonable times to state and EPA inspectors for the purpose of sampling the discharge and reviewing and copying records.

Facility Name: OSAGE CITY OF STP
Permit Number: 6663001

Chloride Compliance Schedule

The facility shall meet the final chloride limits listed on the limits page of this permit according to the following schedule:

- Contact Iowa DNR staff by **May 1, 2025** to schedule a Chloride Compliance Meeting. Contact Ryan Olive at 515-452-6235 or ryan.olive@dnr.iowa.gov to schedule the meeting.

- The facility shall submit a Chloride Compliance Strategy, by **November 1, 2025**. The Chloride Compliance Strategy must describe the steps the facility will take to comply with the effluent limits as soon as possible, but no later than **January 1, 2030**.

- The facility shall submit progress reports every 12 months until compliance with the final chloride effluent limits is achieved, with the first progress report due **August 1, 2026**.

- Achieve compliance with final chloride effluent limits by **January 1, 2030**.

Within fourteen (14) days following all dates of compliance, the permittee shall provide written notice of compliance with the scheduled event. All written notices and progress reports shall be sent to the following address:

Iowa Department of Natural Resources
DNR Field Office 2
2300 15th St SW
Mason City, IA 50401

Facility Name: OSAGE CITY OF STP
Permit Number: 6663001

Nutrient Reduction Strategy Construction Schedule

Total Nitrogen and Total Phosphorus – Outfall 001

The City of Osage shall implement the strategy recommended in the Nutrient Reduction Strategy Feasibility Report (dated June 2021) approved by the Department August 9, 2021 for reducing total nitrogen and total phosphorus in the final effluent. Construction of improvements shall be implemented according to the following schedule:

- Complete treatment plant optimization for nutrient reduction by **June 1, 2025.**
- Submit one year of at least weekly total nitrogen and total phosphorus sampling data from the raw waste and final effluent by **July 1, 2026**. The report must include the results of all monitoring for total nitrogen and total phosphorus in the raw waste and final effluent between June 1, 2025 and May 31, 2026.

Progress reports shall be submitted by the required due dates. Within fourteen (14) days following all dates of construction completion, optimization completion, and one year of monitoring, the permittee shall provide written notice of compliance with the scheduled event along with any applicable data. All written notices and progress reports shall be sent to the following address:

Ben Hucka
Iowa Department of Natural Resources
npdes.mail@dnr.iowa.gov

STANDARD CONDITIONS

1. **ADMINISTRATIVE RULES -** Rules of the Iowa Department of Natural Resources (department) that govern the operation of a facility in connection with this permit are published in Part 567 of the Iowa Administrative Code (IAC) in Chapters 60-65, 67, and 121. Reference to the term "rule" in this permit means the designated provision of Part 567 of the IAC. Reference to the term "CFR" means the Code of Federal Regulations.

2. **LIMIT DEFINITIONS -**
   (a) 7-day average is the arithmetic mean (average) of pollutant parameter values for samples collected in a period of seven consecutive days. A calendar month consists of four 7-day periods with the first 7-day period beginning the first day of the month. ***{40 CFR §133.101}***
   (b) 30-day average is the arithmetic mean of pollutant parameter values for samples collected in a period of 30 consecutive days. A 30-day period begins the first day of the month. ***{40 CFR §133.101}***
   (c) Daily maximum is the total discharge by mass, volume, or concentration during a twenty-four hour period.

3. **MONITORING AND RECORDS OF OPERATION -**
   (a) Electronic reporting. Operation records required by this permit shall be electronically submitted to the department within 15 days following the close of the monthly reporting period, in accordance with the monitoring requirements incorporated in this permit, unless an approval for paper submittal of operation records has been obtained in accordance with 567 IAC 63.7(2).
   (b) Record maintenance. You shall retain, for a minimum of three years, all paper and electronic records of monitoring activities and results including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records. ***{567 IAC 63.2(2) and 40 CFR §122.41(j)(2)}***
   (c) Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $10,000 or by imprisonment for not more than two years, or both. ***{40 CFR §122.41(j)(5)}***

4. **USE OF CERTIFIED LABORATORIES -** Analyses of wastewater, groundwater or sewage sludge that are required to be submitted as a result of this permit must be performed by a laboratory certified by the State of Iowa. Routine, on-site monitoring for pH, temperature, dissolved oxygen, total residual chlorine and other pollutants that must be analyzed immediately upon sample collection, physical measurements, and operational performance monitoring specified in 567 IAC 63.3(4) are excluded from this requirement. ***{567 IAC 63.1(3)}***

5. **DUTY TO PROVIDE INFORMATION -** You must furnish to the department, within a reasonable time, any information the department may request to determine compliance with this permit or determine whether cause exists for amending, revoking and reissuing, or terminating this permit, in accordance with 567 IAC 60.3(6)"*b*"(1). You must also furnish to the department, upon request, copies of any records required to be kept by this permit. If you become aware that you failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, you must promptly submit such facts or information. If you become aware that you failed to submit any relevant facts in any report to the department, including records of operation, you shall promptly submit such facts or information. ***{567 IAC 60.3(2)"a"(3)"3," 567 IAC 63.9(6), 40 CFR §122.41(h) and (l)}***

6. **DUTY TO REAPPLY AND PERMIT CONTINUATION -** If you wish to continue to discharge after the expiration date of this permit, you must file a complete application for reissuance at least 180 days prior to the expiration date of this permit. If a timely and sufficient application is submitted, this permit will remain in effect until the department makes a final determination on the permit application. ***{567 IAC 60.3(2)"a"(2)"3" and 60.8(3), Iowa Code 17A.18}***

7. **DUTY TO COMPLY -** You must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Iowa Code and the Clean Water Act and is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Issuance of this permit does not relieve you of the responsibility to comply with all local, state and federal laws, ordinances, regulations or other legal requirements applying to the operation of your facility. ***{567 IAC 60.7(4), 40 CFR §122.41(a)}***

8. **DUTY TO MITIGATE -** You shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. ***{567 IAC 60.7(7)"k," 40 CFR §122.41(d)}***

9. **PROPER OPERATION AND MAINTENANCE -** All facilities and control systems shall be operated as efficiently as possible and maintained in good working order. A sufficient number of staff, adequately trained and knowledgeable in the operation of your facility, shall be retained at all times. Adequate laboratory controls and appropriate quality assurance procedures shall be provided to maintain compliance with the conditions of this permit. ***{567 IAC 60.7(7)"i," 40 CFR §122.41(e)}***

10. **SIGNATORY REQUIREMENTS -** Applications, discharge monitoring reports, or other information submitted to the department in connection with this permit must be signed and certified in accordance with 40 CFR §122.22.

11. **TRANSFER OF TITLE OR OWNER ADDRESS CHANGE -** If title to your facility, or any part of it, is transferred, the new owner shall be subject to this permit. You are required to notify the new owner of the requirements of this permit in writing prior to any transfer of title. The department shall be notified in writing within 30 days of the occurrence. No transfer of the authorization to discharge from the facility represented by the permit shall take place prior to notifying the department of the transfer of title. Whenever the address of the owner is changed, the department shall be notified in writing within 30 days of the address change. ***{567 IAC 60.12}***

STANDARD CONDITIONS

12. **PERMIT MODIFICATION, SUSPENSION OR REVOCATION -** This permit may be amended, revoked and reissued, or terminated in whole or in part for cause including, but not limited to, those specified in 567 IAC 60.3(6)*"c."* This permit may be modified due to conditions or information on which this permit is based, including any new standard the department may adopt that would change the required effluent limits. If a toxic pollutant is present in your discharge and more stringent standards for toxic pollutants are established under Section 307(a) of the Clean Water Act, this permit will be modified in accordance with the new standards. The filing of a request for a permit amendment, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. ***{567 IAC 60.3(6), 60.7(7)"e" and "j," 40 CFR §122.62(a)(6)}***

13. **TWENTY-FOUR HOUR REPORTING -** You shall report any noncompliance that may endanger human health or the environment, including, but not limited to, violations of maximum daily limits for any toxic pollutant (listed as toxic in Section 307(a)(1) of the Clean Water Act) or hazardous substance (as designated in 40 CFR Part 116 pursuant to 311 of the Act). Information shall be provided orally to the appropriate regional field office of the department within 24 hours from the time you become aware of the circumstances. A written submission that includes a description of noncompliance and its cause; the period of noncompliance including exact dates and times; whether the noncompliance has been corrected or the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent a reoccurrence of the noncompliance must be provided to the appropriate field office within 5 days of the occurrence. ***{567 IAC 63.9(1), 40 CFR §122.41(l)(6)}***

14. **OTHER NONCOMPLIANCE -** You shall give advance notice to the appropriate regional field office of the department of any planned activity which may result in noncompliance with permit requirements. Notice is required only when previous notice has not been given to any other section of the department. You shall report all instances of noncompliance not reported under Condition #13 at the time discharge monitoring reports are submitted. The report shall contain the information listed in Condition #13. ***{567 IAC 63.9(3) and (4), 40 CFR §122.41(l)(2) and (l)(7)}***

15. **INSPECTION OF PREMISES, RECORDS, EQUIPMENT, METHODS AND DISCHARGES -** You are required to permit authorized personnel to:
    (a) Enter upon the premises where a regulated facility or activity is located or conducted or where records are kept under conditions of this permit;
    (b) Provide access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
    (c) Inspect, at reasonable times, any facilities, equipment, practices or operations regulated or required under this permit; and
    (d) Sample or monitor, at reasonable times, to assure compliance or as otherwise authorized by the Clean Water Act.
    {567 IAC 60.7(7)"f," 40 CFR §122.41(i)}

16. **NOTICE OF CHANGED CONDITIONS -** You are required to notify the department of any changes in existing conditions or information on which this permit is based, including, but not limited to, the following:
    (a) If your facility is a publicly owned treatment works (POTW) or otherwise accepts waste for treatment from an indirect discharger or industrial contributor, you must notify the department if there is any substantial change in the volume or character of pollutants being introduced to the POTW by an indirect discharger or industrial contributor. See 567 IAC 60.3(3) and 60.7(7)"g" for further requirements. ***{40 CFR §122.42(b)}***
    (b) If your facility has a manufacturing, commercial, mining, or silviculture discharge, you must notify the department as soon as you know or have reason to believe that any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in this permit. ***{40 CFR §122.42(a)}***
    (c) You must notify the department if you have begun or will begin to use or manufacture, as an intermediate or final product or byproduct, any toxic pollutant which was not reported in the permit application. ***{40 CFR §122.21(g)(9)}***

17. **PLANNED CHANGES -** You shall give notice to the appropriate regional field office of the department 30 days prior to any planned physical alterations or additions to the permitted facility. Facility expansions, production increases, or process modifications which result in new or increased discharges of pollutants must be reported by submission of a new permit application. If any modification of, addition to, or construction of a disposal system is to be made, you must first obtain a written construction permit from this department. In addition, no construction activity that will result in disturbance of one acre or more shall be initiated without first obtaining coverage under NPDES General Permit No. 2.
    Notice is required only when:
    (a) Notice has not been given to any other section of the department:
    (b) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source as defined in 455B.171(16) and 40 CFR §403.3(m);
    (c) The alteration or addition results in a significant change in sludge use or disposal practices; or
    (d) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are not subject to effluent limitations in the permit.
    {567 IAC 63.9(2), 567 IAC 60.2 and 60.7(7)"b"}

18. **FAILURE TO SUBMIT FEES -** This permit may be revoked, in whole or in part, if the appropriate permit fees are not submitted by the due date specified in the notification that such fees are due. ***{567 IAC 60.14(1)}***

STANDARD CONDITIONS

19. BYPASSES - "Bypass" means the diversion of waste streams from any portion of a treatment facility or collection system. A bypass does not include internal operational waste stream diversions that are part of the design of the treatment facility, maintenance diversions where redundancy is provided, diversions of wastewater from one point in a collection system to another point in a collection system, or wastewater backups into buildings that are caused in the building lateral or private sewer line. ***{567 IAC 60.1(2)}***

(a) Prohibition. Bypasses from any portion of a treatment facility or from a sanitary sewer collection system designed to carry only sewage are prohibited, in accordance with 567 IAC 63.6(1). The department may not assess a civil penalty against a permittee for a bypass if the permittee has complied with all of the following:

i. The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

ii. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

iii. The permittee submitted notices as required by 567 IAC 63.6.

(b) Anticipated bypass. Except for bypasses that occur as a result of mechanical failure or acts beyond the control of the owner or operator of a waste disposal system (unanticipated bypasses), the owner or operator shall obtain written permission from the department prior to any discharge of sewage or wastes from a waste disposal system not authorized by this permit. The department may approve an anticipated bypass after considering its adverse effects if the department determines that it will meet the three conditions listed above and a request for bypass has been submitted to the appropriate regional field office of the department at least ten days prior to the expected event, in accordance with the requirements in 567 IAC 63.6(2).

(c) Unanticipated bypass. In the event that a bypass or upset occurs without prior notice having been provided pursuant to 567 IAC 63.6(2) or as a result of mechanical failure or acts beyond the control of the owner or operator, the owner or operator of the treatment facility or collection system shall notify the department by telephone as soon as possible but not later than 24 hours after the onset or discovery in accordance with the requirements in 567 IAC 63.6(3). A written submission describing the bypass shall also be provided within five days of the time the permittee becomes aware of the bypass, in accordance with the requirements in 567 IAC 63.6(3)"*d.*"

(d) Reporting. Bypasses shall be reported in accordance with 567 IAC 63.6.

{567 IAC 63.6}

20. UPSETS - "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

(a) Effect of an upset. An upset constitutes an affirmative defense to the assessment of a civil penalty for noncompliance with technology-based permit effluent limitations if the requirements of paragraph (b) of this condition are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

(b) Conditions necessary for demonstration of an upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed operating logs or other relevant evidence, that;

i. An upset occurred and that the permittee can identify the cause(s) of the upset;

ii. The permitted facility was at the time being properly operated;

iii. The permittee submitted notice of the upset to the department in accordance with 567 IAC 63.6(3); and

iv. The permittee complied with any remedial measures required by the department in accordance with 567 IAC 63.6(4).

(c) Burden of proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

{40 CFR §122.41(n)}

21. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE - It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. ***{567 IAC 60.7(7)"l," 40 CFR §122.41(c)}***

22. PROPERTY RIGHTS - This permit does not convey any property rights of any sort or any exclusive privilege. ***{40 CFR §122.41(g)}***

23. EFFECT OF A PERMIT - Compliance with a permit during its term constitutes compliance, for purposes of enforcement, with Sections 301, 302, 306, 307, 318, 403 and 405(a)-(b) of the Clean Water Act, and equivalent limitations and standards set out in 567 IAC Chapters 61 and 62. ***{567 IAC 60.4(3) and 40 CFR §122.5}***

24. SEVERABILITY - The provisions of this permit are severable. If any provision or application of any provision to any circumstance is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding.

Appendix G.2 - Treatment Agreement with Mason City POTW

INDUSTRIAL USER PERMIT

MASON CITY WASTEWATER POLLUTION CONTROL PERMIT AND AUTHORIZATION TO DISCHARGE INDUSTRIAL WASTES TO A PUBICALLY OWNED TREATMENT WORKS (POTW) UNDER THE PROVISION OF THE CLEAN WATER ACT.

CITY OF MASON CITY WRF
10-1ST St. N.W., Mason City, IA 50401
Phone: (641) 421-3682
Fax: (641)-421-3634

Pursuant to the provisions of Iowa Water Quality Standards, Chapter 61, the Federal Water Pollution Control Act as amended (33 U.S.C. 1251), U.S. Environmental Protection Agency Pretreatment Regulations 40 CFR 403 and Iowa Administrative Code 567 IAC Chapter 60-67.

Owner/ Facility Name:	**Floyd Mitchell Chickasaw Sanitary Landfill**
Facility Address:	**3354 330th Street** **Elma, IA 50628**
POTW Receiving Wastes:	**Water Reclamation Facility,** **2950 S. Birch Dr., Mason City, IA**
POTW's Iowa Permit Number:	**1750001**

Floyd Mitchell Chickasaw Sanitary Landfill is hereby authorized to haul industrial waste from the above identified facility into the City of Mason City's Water Reclamation Facility in accordance with the conditions set forth in this permit. Compliance with this permit does not relieve the permittee of its obligation to comply with any or all applicable pretreatment regulations, standards or requirements under local, State, and Federal laws, including any such regulations, standards, requirements, or laws that may become effective during the term of this permit.

Permit No. **FMC2528**
Reapplication for Permit Due Date: **January 6, 2028**
Permit effective Date: **April 6, 2025**
Permit Expiration Date: **April 6, 2028**
Designated Control Authority and facility Contact: **Christian Fox**

FACILITY DESCRIPTION: Non-Significant Industrial User, Hauled Waste

FMC Sanitary Landfill: FMC Sanitary Landfill is a non-hazardous landfill operation.

Permit No. **FMC2528**

INDUSTRIAL USER PERMIT

In accordance with the provisions of 6-2-17

Floyd Mitchell Chickasaw (FMC) Sanitary Landfill
3354 330th Street
Elma, IA 50628

is hereby authorized to haul landfill leachate from the above identified facility to the City of Mason City's Water Reclamation Facility in accordance with the conditions set forth in this permit. Compliance with this permit does not relieve the permittee of its obligation to comply with any or all applicable pretreatment regulations, standards or requirements under local, State, and Federal laws, including any such regulations, standards, requirements, or laws that may become effective during the term of this permit.

Noncompliance with any term or condition of this permit shall constitute a violation of the City of Mason City's sewer use ordinance.

This permit shall become effective on April 6, 2025, and shall expire at midnight on April 6, 2028.

If the permittee wishes to continue to discharge after the expiration date of this permit, an application must be filed for a renewal permit in accordance with the requirements of 6-2-28, a minimum of 90 days prior to the expiration date.

Signature Paul Vanaman **Date** 5/8/25
Water Reclamation Superintendent

Signature Shelby Tag **Date** 5-8-25
Pretreatment & Operations Coordinator

PART 1 - EFFLUENT LIMITATIONS

A. The permittee is authorized to discharge hauled landfill leachate into the City of Mason City's POTW from the effective dates listed above.

B. All wastewater hauled to the POTW shall comply with all other applicable laws, regulations, standards, and requirements contained in 6-2-9 and any applicable State and Federal pretreatment laws, regulations, standards, and requirements including any such laws, regulations, standards, or requirements that may become effective during the term of this permit.

C. The following are the effluent limits that will be used as a guide to determine if wastewater will be accepted from your facility. Results over these limits may be accepted at the discretion of the City of Mason City's Water Reclamation Facility on a case by case basis.

Biannual Pollutant	Daily Maximum **(mg/l)**
Arsenic-T	0.04
Cadmium-T	0.26
Chromium-T	1.71
Chromium VI	1.28
Copper-T	2.07
Cyanide-T	0.65
Lead-T	0.43
Mercury-T	0.003
Molybdenum-T	0.025
Nickel-T	2.38
Selenium-T	0.045
Silver-T	0.24
Zinc-T	1.48

* All other pollutants are evaluated on a per sample basis and do not have set effluent limits.

*pH of the discharge shall be between 5.5 - 9.5.

PART 2 - MONITORING REQUIREMENTS

A. The permittee shall monitor leachate for the following parameters, at the indicated frequency:

Sample Parameter (units)	Measurement Location	Frequency	Sample Type
Flow (gpd)	See note A-1, 4	per discharge Wastewater	Hauled WW
Conventional Pollutants And Metals	See note A-2	1/Quarter	Grab
All Pollutants	See note A-3	2x/year	Grab

1. All Samples shall be representative of the leachate delivered to the City of Mason City WRF.

2. The "Conventional Pollutants and Metals" (page 17) shall be performed once each quarter (Jan., Apr., Jul., Oct.) prior to discharge. Permission must be granted prior to dumping at the City of Mason City's Water Reclamation Facility after the Pretreatment & Operations Coordinator has examined the parameters per quarter. The time span to collect a sample shall not exceed three months.

3. All pollutants (pages 17-18) shall be performed two times per year, parallel to quarterly pollutants. Permission must be granted prior to dumping at the City of Mason City's Water Reclamation Facility after the Pretreatment & Operations Coordinator has examined the parameters. The time span to collect a sample shall not exceed six months.

4. Wastewater volume will be limited to **24,000 gallons per day**, hauled to the POTW, unless special permission is given.

B. All handling and preservation of collected samples and laboratory analyses of samples shall be performed in accordance with 40 CFR Part 136 and amendments thereto unless specified otherwise in the monitoring conditions of this permit.

PART 3 - REPORTING REQUIREMENTS

A. Monitoring Reports

Monitoring results obtained shall be reported to the City of Mason City and be approved prior to hauling waste to the POTW. The report shall indicate the nature and concentration of all required pollutants in the waste water.

If the permittee monitors any pollutant more frequently than required by this permit, using test procedures prescribed in 40 CFR Part 136 or amendments thereto, or otherwise approved by EPA or as specified in this permit, the results of such monitoring shall be included in any calculations of actual daily maximum or monthly average pollutant discharge and results shall be reported in the quarterly report submitted to the City of Mason City.

B. Automatic Re-sampling

If the result of the permittee's wastewater analysis indicates that a violation of this permit has occurred, the permittee must:

1. Inform the City of Mason City of the violation within 24 hours; and

2. Repeat the sampling and pollutant analysis and submit, in writing, the results of this second analysis within 30 days of the first violation.

PART 4 SPECIAL CONDITIONS

Section 1 Additional/Special Monitoring Requirements

A. The City of Mason has the right to refuse any hauled waste load.

B. Discharge of hazardous waste into the Mason City Water Reclamation Facility is prohibited.

Section 2 Reopener Clause

A. This permit may be reopened and modified to incorporate any new or revised requirements resulting from the City of Mason City's reevaluation of its local limit for any metals.

B. This permit may be reopened and modified to incorporate any new or revised requirements developed by the City of Mason City as are necessary to ensure POTW compliance with applicable sludge management requirements promulgated by EPA (40 CFR 503).

PART 5 - STANDARD CONDITIONS

SECTION A. GENERAL CONDITIONS AND DEFINITIONS

1. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

2. Duty to Comply

The permittee must comply with all conditions of this permit. Failure to comply with the requirements of this permit may be grounds for administrative action, or enforcement proceedings including civil or criminal penalties, injunctive relief, and summary abatements.

3. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or correct any adverse impact to the public treatment plant or the environment resulting from noncompliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge.

4. Permit Modification

This permit may be modified for good causes including, but not limited to, the following:

a. To incorporate any new or revised Federal, State, or local pretreatment standards or requirements

b. Material or substantial alterations or additions to the discharger's operation processes, or discharge volume or character which were not considered in drafting the effective permit

c. A change in any condition in either the industrial user or the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge

d. Information indicating that the permitted discharge poses a threat to the Control Authority's collection and treatment systems, POTW personnel or the receiving waters

e. Violation of any terms or conditions of the permit

f. Misrepresentation or failure to disclose fully all relevant facts in the permit application or in any required reporting

g. Revision of or a grant of variance from such categorical standards pursuant to 40 CFR 403.13; or

h. To correct typographical or other errors in the permit

i. To reflect transfer of the facility ownership and/or operation to a new owner/operator

j. Upon request of the permittee, provided such request does not create a violation of any applicable requirements, standards, laws, or rules and regulations.

The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

5. Permit Termination

This permit may be terminated for the following reasons:

a. Falsifying self-monitoring reports

b. Tampering with monitoring equipment

c. Refusing to allow timely access to the facility premises and records

d. Failure to meet effluent limitations

e. Failure to pay fines

f. Failure to pay sewer charges

g. Failure to meet compliance schedules.

6. Permit Appeals

The permittee may petition to appeal the terms of this permit within thirty (30) days of the notice.

This petition must be in writing; failure to submit a petition for review shall be deemed to be a waiver of the appeal. In its petition, the permittee must indicate the permit provisions objected to, the reasons for this objection, and the alternative condition, if any, it seeks to be placed in the permit.

The effectiveness of this permit shall not be stayed pending a reconsideration by the City Council. If, after considering the petition and any arguments put forth by the Superintendent, the City Council determines that reconsideration is proper, it shall remand the permit back to the Superintendent for reissuance. Those permit provisions being reconsidered by the Superintendent shall be stayed pending reissuance.

The City Councils' decision not to reconsider a final permit shall be considered final administrative action for purposes of judicial review. The permittee seeking judicial review of the City Councils' final action must do so by filing a complaint with the Iowa District Court for Cerro Gordo County within 30 days after final administrative action.

7. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any violation of Federal, State, or local laws or regulations.

8. Limitation on Permit Transfer

Permits may be reassigned or transferred to a new owner and/or operator with prior approval of the Superintendent:

a. The permittee must give at least ninety (90) days advance notice to the Superintendent or designee.

b. The notice must include a written certification by the new owner which:

(i) States that the new owner has no immediate intent to change the facility's operations and processes

(ii) Identifies the specific date on which the transfer is to occur

(iii) Acknowledges full responsibility for complying with the existing permit.

9. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must submit an application for a new permit at least 90 days before the expiration date of this permit.

10. Continuation of Expired Permits

An expired permit will continue to be effective and enforceable until the permit is reissued if:

a. The permittee has submitted a complete permit application at least ninety (90) days prior to the expiration date of the user's existing permit.

b. The failure to reissue the permit, prior to expiration of the previous permit, is not due to any act or failure to act on the part of the permittee.

11. Dilution

The permittee shall not increase the use of potable or process water or, in anyway, attempt to dilute a tank as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this permit.

12. Definitions

a. Daily Maximum - the maximum allowable discharge of pollutant during a calendar day. Where daily maximum limitations are expressed in units of mass, the daily discharge is the total mass discharged over the course of the day. Where daily maximum limitations are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.

b. Composite Sample - A sample that is collected over time, formed either by continuous sampling or by mixing discrete samples. The sample may be composited either as a time composite sample: composed of discrete sample aliquots collected in one container at constant time intervals providing representative samples irrespective of stream flow; or as a flow proportional composite sample: collected either as a constant sample volume at time intervals proportional to stream flow, or collected by increasing the volume of each aliquot as the flow increases while maintaining a constant time interval between the aliquots.

c. Grab Sample - an individual sample collected in less than 15 minutes, without regard for flow or time.

d. Instantaneous Maximum Concentration - the maximum concentration allowed in any single grab sample.

e. Cooling Water

(1) Uncontaminated: Water used for cooling purposes only which has no direct contact with any raw material, intermediate, or final product and which does not contain a level of contaminants detectably higher than that of the intake water.

(2) Contaminated: Water used for cooling purposes only which may become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides, or by direct contact with process materials and/or wastewater.

f. Monthly Average - The arithmetic mean of the values for effluent samples collected during a calendar month or specified 30-day period (as opposed to a rolling 30-day window).

g. Weekly Average - The arithmetic mean of the values for effluent samples collected over a period of seven consecutive days.

h. Bi-Weeklv - Once every other week.

i. Bi-Monthly - Once every other month.

j. 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, excluding

such factors as operational error, improperly designed or inadequate treatment facilities, or improper operation and maintenance or lack thereof.

k. Bypass - Means the intentional diversion of wastes from any portion of a treatment facility.

12. General Prohibitive Standards

The permittee shall comply with all the general prohibitive discharge standards in 6-2-9. Namely, the industrial user shall not discharge wastewater to the POTW:

a. Having a temperature higher than 150 degrees F (65 degrees C);

b. Containing more than 200 ppm by weight of fats, oils, and grease;

c. Containing any gasoline, benzene, naphtha, fuel oil or other flammable or explosive liquids, solids or gases; and in no case pollutants with a closed cup flashpoint of less than one hundred forty (140) degrees Fahrenheit (60° C), or pollutants which cause an exceedance of 10 percent of the Lower Explosive Limit (LEL) at any point within the POTW.

d. Containing any garbage that has not been ground by household type or other suitable garbage grinders;

e. Containing any ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, paunch, manure, or any other solids or viscous substances capable of causing obstructions or other interferences with proper operation of the POTW;

f. Having a pH lower than 5.5 or higher than 9.5, or having any other corrosive property capable of causing damage or hazards to structures, equipment or personnel of the POTW;

g. Containing toxic or poisonous substances in sufficient quantity to injure or interfere with any wastewater treatment process, to constitute hazards to humans or animals, or to create any hazard in waters. Toxic wastes shall include, but are not limited to wastes containing cyanide, chromium, cadmium, mercury, copper, and nickel ions;

h. Containing noxious or malodorous gases or substances capable of creating a public nuisance; including pollutants which result in the presence of toxic gases, vapors, or fumes:

i. Containing solids of such character and quantity that special and unusual attention is required for their handling;

j. Containing any substance which may affect the treatment plant's effluent and cause violation of the NPDES permit requirements;

k. Containing any substance which would cause the treatment plant to be in noncompliance with sludge use, recycle or disposal criteria pursuant to guidelines or regulations developed under section 405 of the Federal Act, the Solid Waste Disposal Act, the Clean Air Act, the Toxic Substances Control Act or other regulations or criteria for sludge management and disposal as required by the State;

l. Containing color which is not removed in the treatment processes;

m. Containing any radioactive wastes or isotopes; or

n. Containing any pollutant, including BOD pollutants, released at a flow rate and/or pollutant concentration, which would cause interference with the treatment plant.

13. Compliance with Applicable Pretreatment Standards and Requirements

Compliance with this permit does not relieve the permittee from its obligations regarding compliance with any and all applicable local, State and Federal pretreatment standards and requirements including any such standards or requirements that may become effective during the term of this permit

SECTION B. OPERATION AND MAINTENANCE OF POLLUTION CONTROLS

1. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes but is not limited to: effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.

2. Duty to Halt or Reduce Activity

Upon reduction of efficiency of operation, or loss or failure of all or part of the treatment facility, the permittee shall, to the extent necessary to maintain compliance with its permit, control its production or discharges (or both) until operation of the treatment facility is restored or an alternative method of treatment is provided. This requirement applies, for example, when the primary source of power of the treatment facility fails or is reduced. 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.

3. Bypass of Treatment Facilities

a) Bypass is prohibited unless it is unavoidable to prevent loss of life, personal injury, or severe property damage or no feasible alternatives exist

b) The permittee may allow bypass to occur which does not cause effluent limitations to be exceeded, but only if it is also for essential maintenance to assure efficient operation.

c) Notification of bypass:

(1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior written notice, at least ten days before the date of the bypass, to the City of Mason City.

(2) Unanticipated bypass. The permittee shall immediately notify the City of Mason City and submit a written notice to the POTW within 5 days. This report shall specify:

(i) A description of the bypass, and its cause, including its duration:

(ii) Whether the bypass has been corrected; and

(iii) The steps being taken or to be taken to reduce, eliminate and prevent a reoccurrence of the bypass.

4. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and Recovery Act and Section 6-2-9 of the Sewer Use Ordinance.

SECTION C. MONITORING AND RECORDS

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in this permit and. If applicable, all equipment used for sampling and analysis must be routinely calibrated, inspected and maintained to ensure their accuracy. Monitoring points shall not be changed without notification to and the approval of the City of Mason City.

2. Flow Measurements

If flow measurement is required by this permit, the appropriate flow measurement devices and methods consistent with approved scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. If applicable, the devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements is consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than 10 percent from true discharge rates throughout the range of expected discharge volumes.

3. Analytical Methods to Demonstrate Continued Compliance

All sampling and analysis required by this permit shall be performed in accordance with the techniques prescribed in 40 CFR Part 136 and amendments thereto, otherwise approved by EPA, or as specified in this permit.

4. Additional Monitoring by the Permittee

If the permittee monitors any pollutant more frequently than required by this permit, using test procedures identified in Section C.3, the results of this monitoring shall be included in the permittee's self-monitoring reports.

5. Inspection and Entry

The permittee shall allow the City of Mason City, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the 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 (including monitoring and control equipment), practices, or operations regulated or required under this permit;

d) Sample or monitor, for the purposes of assuring permit compliance, any substances or parameters at any location; and

e) Inspect any production, manufacturing, fabricating, or storage area where pollutants, regulated under the permit, could originate, be stored, or be hauled to the POTW.

6. Retention of Records

a) The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application.

This period may be extended by request of the City of Mason City at any time.

b) All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the City of Mason City shall be retained and preserved by the permittee until all enforcement activities have concluded and all periods of limitation with respect to any and all appeals have expired.

7. Record Contents

Records of sampling and analyses shall include:

a) The date, exact place, time, and methods of sampling or measurements, and sample preservation techniques or procedures;

b) Who performed the sampling or measurements;

c) The date(s) analyses were performed;

d) Who performed the analyses;

e) The analytical techniques or methods used; and

f) The results of such analyses.

8. Falsifying Information

Knowingly making any false statement on any report or other document required by this permit or knowingly rendering any monitoring device or method inaccurate is a crime and may result in the imposition of criminal sanctions and/or civil penalties.

SECTION D. ADDITIONAL REPORTING REQUIREMENTS

1. Planned Changes

The permittee shall give notice to the City of Mason City, 90 days prior to any facility expansion, production increase, or process modifications, which results in new or change in the nature of the wastewater.

2. Anticipated Noncompliance

The permittee shall give advance notice to the City of Mason City of any planned changes in the permitted facility or activity, which may result in noncompliance with permit requirements.

3. Automatic Resampling

If the results of the permittees' wastewater analysis indicate a violation has occurred, the permittee must notify the City of Mason City within 24 hours of becoming aware of the violation and will not be allowed to haul to the POTW.

4. Duty to Provide Information

The permittee shall furnish to the City of Mason City, within **10 calendar days** any information which the City of Mason City may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also, upon request, furnish to the City of Mason City within 10 calendar days, copies of any records required to be kept by this point.

5. Signatory Requirements

All applications, reports, or information submitted to the City of Mason City must contain the following certification statement and be signed as required in Sections (a), (b), (c) or (d) below:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. It is non-hazardous wastewater. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

a) By a responsible corporate officer, if the Industrial User submitting the reports is a corporation. For the purpose of this paragraph, a responsible corporate officer means:

   (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or;

   (ii) The manager of one or more manufacturing, production, or operation facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

b) By a general partner or proprietor if the Industrial User submitting the reports is a partnership or sole proprietorship respectively.

c) The principal executive officer or director having responsibility for the overall operation of the discharging facility if the Industrial User submitting the reports is a Federal, State, or local governmental entity, or their agents.

d) By a duly authorized representative of the individual designated in paragraph (a), (b), or (c) of this section if:

   i. The authorization is made in writing by the individual described in paragraph (a), (b), or (c);

   ii. The authorization specifies either an individual or a position having responsibility for the overall operation of the facility from which the Industrial Discharge originates, such as the position of plant manager, operator of a well, or a well field superintendent, or a position of equivalent responsibility, or having overall responsibility for environmental matters for the company; and

   iii. The written authorization is submitted to the City.

e) If an authorization under paragraph (d) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, or overall responsibility for the environmental matters for the company, a new authorization satisfying the requirements of paragraph (d) of this section must be submitted to the City prior to or together with any reports to be signed by an authorized representative.

6. Operating Upsets

Any permittee that experiences an upset in operations that places the permittee in a temporary state of noncompliance with the provisions of either this permit or with any section of the City Code shall inform the City of Mason City within 24 hours of becoming aware of the upset at 421-3682. The wastewater may not be dumped at the POTW if it is in non-compliance with the City Code or set limits.

7. Annual Publication

A list of all industries in significant non-compliance, which were subject to enforcement proceedings during the twelve (12) previous months, shall be annually published in the largest daily newspaper within its service area. Accordingly, the permittee is apprised that significant noncompliance with this permit may lead to an enforcement action and may result in publication of its name in an appropriate newspaper in accordance with this section.

8. Civil and Criminal Liability

Nothing in this permit shall be construed to relieve the permittee from civil and/or criminal penalties for noncompliance under 6-2-38 to 6-2-42 or State or Federal laws or regulations.

9. Penalties for Violations of Permit Conditions

Continuously violating the permit that causes a Significant Non-Compliance (SNC) violation will cause the industry to be placed on a 90-day compliance schedule that includes mile stone requirements and in many cases, additional testing paid by the industry. The City of Mason City provides that any person who violates a permit condition is subject to a civil penalty up to $1000 per day of such violation. Any person who willfully or negligently violates permit conditions is subject to criminal penalties of a fine of up to $100

per day of violation, or by imprisonment for 30 day(s), or both. The permittee may also be subject to sanctions under State and/or Federal law.

10. Recovery of Costs Incurred

In addition to civil and criminal liability, the permittee violating any of the provisions of this permit or Section 6-2-9 of the Sewer Use Ordinance or causing damage to or otherwise inhibiting the City of Mason City wastewater disposal system shall be liable to the City of Mason City for any expense, loss, or damage caused by such violation or discharge. The City of Mason City shall bill the permittee for the costs incurred by the City of Mason City for any cleaning, repair, or replacement work caused by the violation or discharge. Refusal to pay the assessed costs shall constitute a separate violation of Section 6-2-39 of the Sewer Use Ordinance.

MONITORING REQUIREMENTS – FMC Sanitary Landfill

The permittee shall analyze a representative sample of the leachate hauled from the Central Disposal, per the monitoring requirements listed in Part 2, for each of the pollutants listed below.

Conventional Pollutants and Metals Biochemical Oxygen Demand (BOD_5) Total Suspended Solids Ammonia Nitrogen pH Total Nitrogen Kjeldahl N Total Phosphorous Fats, Oils and Grease Arsenic, Total (as As) Cadmium, Total (as Cd) Chromium, Total (as Cr) Chromium VI (as Cr(VI)) Copper, Total (as Cu) Cyanide, Total (as Cn) Lead, Total (as Pb) Mercury, Total (as Hg) Molybdenum, Total (as Mo) Nickel, Total (as Ni) Selenium, Total (as Se) Silver, Total (as Ag) Zinc, Total (as Zn) **Volatile Compounds** Method of Analysis: EPA Methods 624 or 1624 Chloromethane (methyl chloride) Bromomethane (methyl bromide) Vinyl chloride Chloroethane (ethyl chloride) Methylene chloride (dichloromethane) 1,1-Dichloroethene (1,1-dichloroethylene) 1,1-Dichloroethane 1,2-Dichloroethene (1,2-dichloroethylene) Chloroform 1,2-Dichloroethane	1,1,1-Trichloroethane (methyl chloroform) Carbon tetrachloride Bromodichloromethane 1,1,2,2-Tetrachloroethane 1,2-Dichloropropane 1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene 2-Chloroethyl vinyl ether Bromoform Tetrachloroethene Toluene Chlorobenzene Ethylbenzene **Acid Extractable Compounds** Method of Analysis: EPA Methods 625 or 1625 2-Chlorophenol 2-Nitrophenol 2,4-Dimethylphenol Benzoic acid 2,4-Dichlorophenol 4-Chloro-3-methylphenol 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4-Dinitrophenol 4-Nitrophenol 4,6-Dinitro-2-methylphenol Pentachlorophenol

Chlorinated Hydrocarbon Insecticides

Methods of Analysis: EPA Methods 608 or 625

Beta BHC
Delta BHC
Gamma BHC
Heptachlor
Aldrin
Heptachlor epoxide
Endosulfan
Dieldrin
4,4'-DDE
Endrin
Endosulfan II
4,4'-DDD
Endosulfan sulfate
4,4'-DDT
Endrin aldehyde
Chlordane
Toxaphene

Polychlorinated Biphenyls

Methods of Analysis: EPA Methods 608 or 625

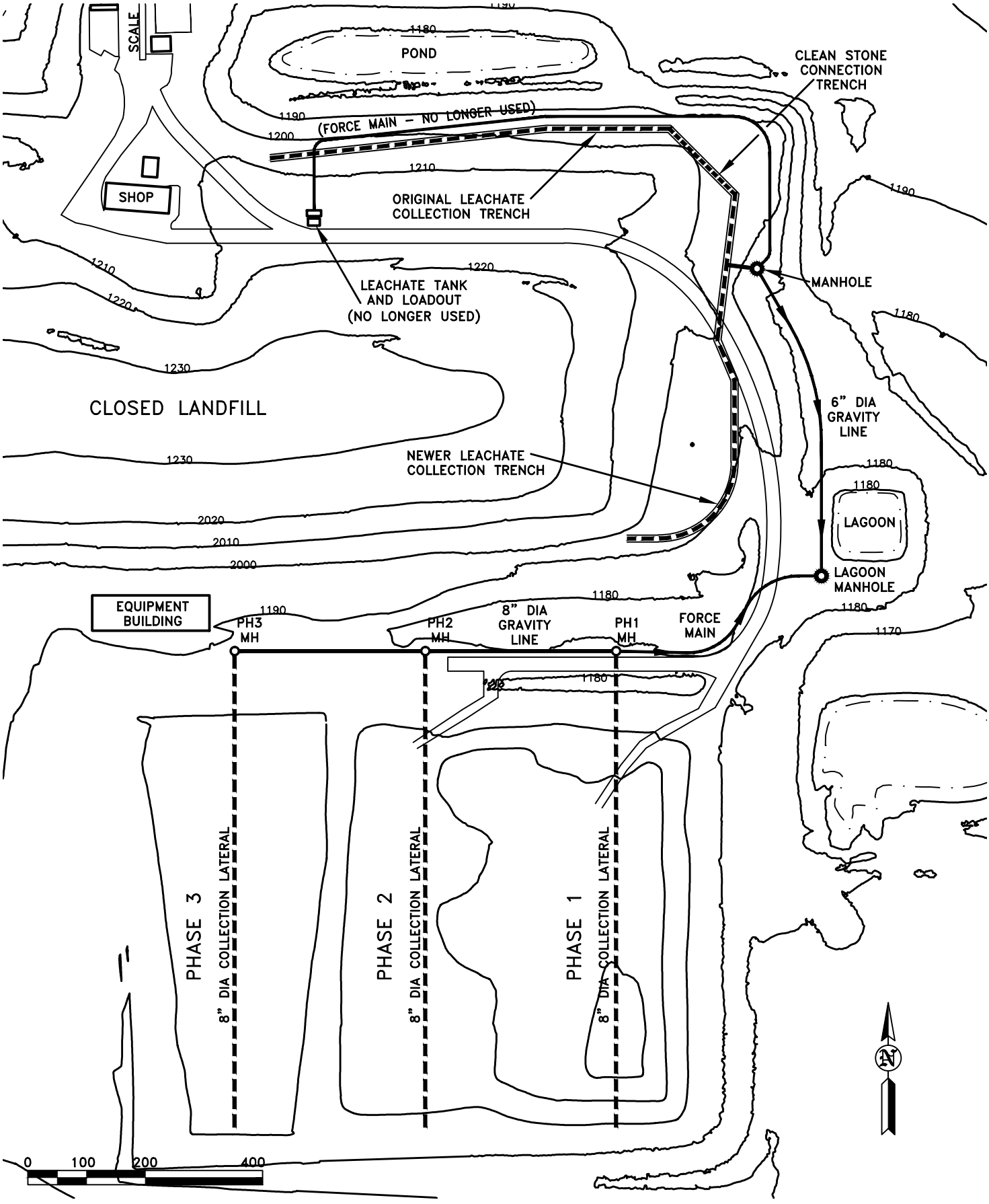
Arochlor-1016
Arochlor-1221
Arochlor-1232
Arochlor-1242
Arochlor-1248
Arochlor-1254
Arochlor-1260

Base/Neutral Compounds

Methods of Analysis: EPA Methods 625 or 1625

bis (2-chloroethyl) ether
1,3-Dichlorobenzene
1,4-Dichlorobenzene
Benzyl alcohol
1,2-Dichlorobenzene
bis (2-chloroisopropyl) ether
N-Nitroso-dipropylamine
Hexachloroethane
Nitrobenzene
Isophorone
bis (2-chloroethoxy) methane
1,2,4-Trichlorobenzene
Naphthalene
Hexachlorobutadiene
Hexachlorocyclopentadiene
2-Chloronaphthalene
Dimethyl phthalate
Acenaphthylene
Acenaphthene
Dibenzofuran
2,4-Dinitrotoluene
2,6-Dinitrotoluene
Diethyl phthalate
4-Chlorophenyl phenyl ether
Fluorene
N-Nitrosodiphenylamine
4-Bromophenyl phenyl ether
Hexachlorobenzene
Phenanthrene
Anthracene
Di-n-butyl phthalate
Fluoranthene
Pyrene
Butyl benzyl phthalate
3,3'-Dichlorobenzidine
Benzo (a) anthracene
bis (2-ethylhexyl) phthalate
Chrysene
Di-n-octyl phthalate
Benzo (b) fluoranthene
Benzo (k) fluoranthene
Benzo (a) pyrene
Indeno (1,2,3-cd) pyrene
Dibenz (a,h) anthracene
Benzo (g,h,i) perylene

Appendix G.3 – Leachate Treatment System Map – Closed Original Landfill



HLW

HLW Engineering Group

LEACHATE COLLECTION SYSTEM

FLOYD–MITCHELL–CHICKASAW SANITARY LANDFILL
ELMA, IOWA

FIGURE: 1

REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6028	DATE 10–29–25

Appendix G.4 - Leachate Testing Results

Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IG0435

Project Description

6028

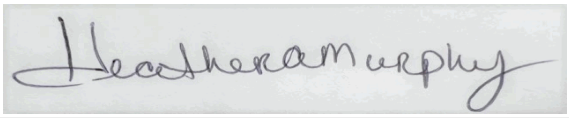
For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248



Heather Murphy

Customer Relationship Specialist

Friday, July 11, 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., Newton

CERTIFICATE OF ANALYSIS

1IG0435

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6028

Project / PO Number: N/A
Received: 07/01/2025
Reported: 07/11/2025

Sample Summary Report

Sample Name	Laboratory ID	Client Matrix	Sample Type	Sample Begin	Sample Taken	Lab Received
Leachate	1IG0435-01	Aqueous	GRAB		06/30/25 00:00	07/01/25 10:35

Analytical Testing Parameters

Client Sample ID:	Leachate		
Sample Matrix:	Aqueous	**Collected By:**	Unknown
Lab Sample ID:	1IG0435-01	**Collection Date:**	06/30/2025

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 624.1							
Dichlorodifluoromethane	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
Chloromethane	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
Vinyl Chloride	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
Bromomethane	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
Chloroethane	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
1,1-Dichloroethylene	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
Methylene Chloride	<50.0	50.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
trans-1,2-Dichloroethylene	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
1,1-Dichloroethane	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
cis-1,2-Dichloroethylene	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
Chloroform	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
1,1,1-Trichloroethane	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
Carbon Tetrachloride	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
Benzene	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
1,2-Dichloroethane	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
Trichloroethylene	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
1,2-Dichloropropane	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
Bromodichloromethane	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
2-Chloroethylvinyl ether	<100	100	ug/L		07/02/25 0000	07/02/25 1853	RAF
cis-1,3-Dichloropropene	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
Toluene	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
trans-1,3-Dichloropropene	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
1,1,2-Trichloroethane	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
Tetrachloroethylene	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
Chlorobenzene	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
Ethylbenzene	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
Bromoform	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
1,1,2,2-Tetrachloroethane	<10.0	10.0	ug/L		07/02/25 0000	07/02/25 1853	RAF
Surrogate: Dibromofluoromethane	93.2	Limit: 59-123	% Rec		07/02/25 0000	07/02/25 1853	RAF
Surrogate: 1,2-Dichloroethane-d4	94.1	Limit: 56-130	% Rec		07/02/25 0000	07/02/25 1853	RAF
Surrogate: Toluene-d8	98.7	Limit: 85-113	% Rec		07/02/25 0000	07/02/25 1853	RAF
Surrogate: 4-Bromofluorobenzene	93.6	Limit: 82-112	% Rec		07/02/25 0000	07/02/25 1853	RAF

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 625.1		**Method Notes:** D1					
Bis(2-Chloroethyl) Ether	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
2-Chlorophenol	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
1,3-Dichlorobenzene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
1,4-Dichlorobenzene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Benzyl Alcohol	<200	200	ug/L	**Q8**	07/07/25 0943	07/09/25 1439	EPP

Client Sample ID:	Leachate		
Sample Matrix:	Aqueous	**Collected By:**	Unknown
Lab Sample ID:	1IG0435-01	**Collection Date:**	06/30/2025

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
1,2-Dichlorobenzene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Bis[2-Chloroisopropyl]ether	<200	200	ug/L	Q3	07/07/25 0943	07/09/25 1439	EPP
n-Nitroso-di-n-propylamine	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Hexachloroethane	<200	200	ug/L	Q3	07/07/25 0943	07/09/25 1439	EPP
Nitrobenzene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Isophorone	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
2-Nitrophenol	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
2,4-Dimethylphenol	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Bis (2-Chloroethoxy) Methane	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Benzoic acid	<1000	1000	ug/L	Q8	07/07/25 0943	07/09/25 1439	EPP
2,4-Dichlorophenol	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
1,2,4-Trichlorobenzene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Naphthalene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Hexachlorobutadiene	<400	400	ug/L		07/07/25 0943	07/09/25 1439	EPP
4-Chloro-3-methylphenol	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Hexachlorocyclopentadiene	<400	400	ug/L		07/07/25 0943	07/09/25 1439	EPP
2,4,6-Trichlorophenol	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
2,4,5-Trichlorophenol	<1000	1000	ug/L		07/07/25 0943	07/09/25 1439	EPP
2-Chloronaphthalene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Dimethylphthalate	<300	300	ug/L		07/07/25 0943	07/09/25 1439	EPP
Acenaphthylene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
2,6-Dinitrotoluene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Acenaphthene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
2,4-Dinitrophenol	<400	400	ug/L		07/07/25 0943	07/09/25 1439	EPP
Dibenzofuran	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
2,4-Dinitrotoluene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
4-Nitrophenol	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Diethyl Phthalate	<600	600	ug/L		07/07/25 0943	07/09/25 1439	EPP
Fluorene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
4-Chlorophenyl Phenyl Ether	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
4,6-Dinitro-2-methylphenol	<400	400	ug/L		07/07/25 0943	07/09/25 1439	EPP
N-Nitrosodiphenylamine	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
4-Bromophenyl Phenyl Ether	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Hexachlorobenzene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Pentachlorophenol	<400	400	ug/L		07/07/25 0943	07/09/25 1439	EPP
Phenanthrene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Anthracene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Di-n-butyl Phthalate	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Fluoranthene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Pyrene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Butyl Benzyl Phthalate	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Benzo(a)anthracene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Chrysene	<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP

Client Sample ID:	Leachate		
Sample Matrix:	Aqueous	**Collected By:**	Unknown
Lab Sample ID:	1IG0435-01	**Collection Date:**	06/30/2025

Determination of Base/Neutral/Acid Extractable Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bis(2-Ethylhexyl) Phthalate		<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Di-n-octyl Phthalate		<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Indeno(1,2,3-cd)Pyrene		<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
3,3´-Dichlorobenzidine		<400	400	ug/L		07/07/25 0943	07/09/25 1439	EPP
Benzo(b)Fluoranthene		<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Benzo(k)Fluoranthene		<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Benzo(a)Pyrene		<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Dibenzo(a,h)anthracene		<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Benzo(g,h,i)perylene		<200	200	ug/L		07/07/25 0943	07/09/25 1439	EPP
Surrogate: 2-Fluorophenol	66.0	Limit: 16-140		% Rec		07/07/25 0943	07/09/25 1439	EPP
Surrogate: Phenol-d6	66.9	Limit: 13-147		% Rec		07/07/25 0943	07/09/25 1439	EPP
Surrogate: Nitrobenzene-d5	68.3	Limit: 17-150		% Rec		07/07/25 0943	07/09/25 1439	EPP
Surrogate: 2-Fluorobiphenyl	73.1	Limit: 15-134		% Rec		07/07/25 0943	07/09/25 1439	EPP
Surrogate: 2,4,6-Tribromophenol	76.6	Limit: 20-158		% Rec		07/07/25 0943	07/09/25 1439	EPP
Surrogate: Terphenyl-dl4	87.5	Limit: 12-157		% Rec		07/07/25 0943	07/09/25 1439	EPP

Determination of Organochlorine Insecticides & PCBs		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 608.3 GC-ECD								
Gamma-BHC [Lindane]		<1.00	1.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Beta-BHC		<1.00	1.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Heptachlor		<1.00	1.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Delta-BHC		<1.00	1.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Aldrin		<1.00	1.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Heptachlor Epoxide		<1.00	1.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Endosulfan I		<1.00	1.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
4,4`-DDE		<1.00	1.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Dieldrin		<1.00	1.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Endrin		<1.00	1.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
4,4`-DDD		<1.00	1.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Endosulfan II		<1.00	1.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
4,4`-DDT		<1.00	1.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Endrin Aldehyde		<1.00	1.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Endosulfan Sulfate		<1.00	1.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Chlordane		<2.00	2.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Toxaphene		<4.00	4.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Arochlor 1016		<4.00	4.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Arochlor 1221		<4.00	4.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Arochlor 1232		<4.00	4.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Arochlor 1242		<4.00	4.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Arochlor 1248		<4.00	4.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Arochlor 1254		<4.00	4.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Arochlor 1260		<4.00	4.00	ug/L		07/02/25 1110	07/02/25 1633	EPP
Surrogate: Decachlorobiphenyl	18.6	Limit: 10-148		% Rec		07/02/25 1110	07/02/25 1633	EPP

Client Sample ID:	Leachate		
Sample Matrix:	Aqueous	**Collected By:**	Unknown
Lab Sample ID:	1IG0435-01	**Collection Date:**	06/30/2025

Determination of Organochlorine Insecticides & PCBs		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Surrogate: Tetrachloro-m-xylene	70.3	Limit: 10-144	% Rec			07/02/25 1110	07/02/25 1633	EPP

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
5310B							
Total Organic Carbon	**296**	25.0	mg/L		07/08/25 0000	07/08/25 1327	CSM
EPA 1664A							
Oil and Grease	<4	4	mg/L	**A14**	07/07/25 0714	07/07/25 0900	RDH
EPA 351.2, Rv. 2 (1993)							
Nitrogen, Kjeldahl, total	**645**	25.0	mg/L			07/07/25 0947	SGB
EPA 353.2, Rv. 2 (1993)							
Nitrogen, Nitrate+Nitrite	**0.21**	0.10	mg/L		07/08/25 0834	07/08/25 1546	KKJ
SM 4500-H+ B-2011							
pH	**8.4**	0.5	pH	**H4**	07/02/25 0943	07/02/25 1654	BSS
SM 5210 B-2016							
BOD (5 day)	<24	24	mg/L		07/01/25 1315	07/01/25 1509	MND
TIMBERLINE							
Nitrogen, Ammonia	**546**	10.0	mg/L		07/01/25 1403	07/01/25 1506	TEP
TKN+NOX							
Nitrogen, total	**645**	0.100	mg/L		07/08/25 0834	07/08/25 1546	KKJ
USGS I-1750-85							
Total Dissolved Solids (TDS)	**4710**	5	mg/L		07/02/25 0705	07/02/25 0837	LAW
USGS I-3765-85							
Total Suspended Solids (TSS)	**50**	1	mg/L		07/01/25 1450	07/02/25 0805	LAW

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
200.7							
Iron, total	**8.37**	0.100	mg/L		07/02/25 1553	07/07/25 2050	JAR
245.1							
Mercury, total	<0.00500	0.00500	mg/L		07/02/25 0733	07/02/25 1236	JAR
EPA 200.8, Rv. 5.4 (1994)							
Arsenic, total	**0.0728**	0.0010	mg/L		07/01/25 1631	07/02/25 1811	RVV
Barium, total	**0.589**	0.0010	mg/L		07/01/25 1631	07/02/25 1811	RVV
Cadmium, total	**0.0012**	0.0002	mg/L		07/01/25 1631	07/02/25 1811	RVV
Chromium, total	**0.172**	0.0010	mg/L		07/01/25 1631	07/02/25 1811	RVV
Copper, total	**0.0079**	0.0050	mg/L		07/01/25 1631	07/02/25 1811	RVV
Lead, total	**0.0021**	0.0005	mg/L		07/01/25 1631	07/02/25 1811	RVV
Nickel, total	**0.167**	0.0010	mg/L		07/01/25 1631	07/02/25 1811	RVV
Selenium, total	**0.0041**	0.0020	mg/L		07/01/25 1631	07/02/25 1811	RVV
Silver, total	<0.0050	0.0050	mg/L		07/01/25 1631	07/02/25 1811	RVV
Zinc, total	**0.0564**	0.0200	mg/L		07/01/25 1631	07/02/25 1811	RVV

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
SM 5210 B-2016	1IG0023	1IG0023-BLK1	
		1IG0023-SRM1	
		1IG0023-DUP1	1IF2274-01
		1IG0435-01	Leachate
Method	**Batch**	**Laboratory ID**	**Client / Source ID**
TIMBERLINE	1IG0025	1IG0025-BLK1	
		1IG0025-BS1	
		1IG0025-MS1	1IG0429-02
		1IG0025-MSD1	1IG0429-02
		1IG0435-01	Leachate
Method	**Batch**	**Laboratory ID**	**Client / Source ID**
USGS I-3765-85	1IG0036	1IG0036-BS1	
		1IG0435-01	Leachate
		1IG0036-DUP1	1IG0427-01
		1IG0036-BLK1	
Method	**Batch**	**Laboratory ID**	**Client / Source ID**
EPA 200.8, Rv. 5.4 (1994)	1IG0053	1IG0053-BLK1	
		1IG0053-BS1	
		1IG0053-MS1	1IF2259-01
		1IG0053-MSD1	1IF2259-01
		1IG0053-PS1	1IF2259-01
		1IG0435-01	Leachate
		1IG0053-BS1	
Method	**Batch**	**Laboratory ID**	**Client / Source ID**
USGS I-1750-85	1IG0062	1IG0062-BLK1	
		1IG0062-DUP1	1IG0434-01
		1IG0062-BS1	
		1IG0435-01	Leachate
Method	**Batch**	**Laboratory ID**	**Client / Source ID**
245.1	1IG0068	1IG0068-BLK1	
		1IG0068-BS1	
		1IG0068-MS1	1IF2131-01
		1IG0068-MSD1	1IF2131-01
		1IG0435-01	Leachate
Method	**Batch**	**Laboratory ID**	**Client / Source ID**

SM 4500-H+ B-2011	1IG0087	1IG0087-SRM1	
		1IG0087-DUP1	1IG0434-01
		1IG0087-SRM2	
		1IG0435-01	Leachate

Method	Batch	Laboratory ID	Client / Source ID
EPA 608.3 GC-ECD	1IG0095	1IG0095-BLK1	
		1IG0095-BS1	
		1IG0095-BSD1	
		1IG0095-SRM1	
		1IG0435-01	Leachate

Method	Batch	Laboratory ID	Client / Source ID
200.7	1IG0141	1IG0141-BLK1	
		1IG0141-BS1	
		1IG0141-MS1	1IF2191-05
		1IG0141-MSD1	1IF2191-05
		1IG0141-PS1	1IF2191-05
		1IG0435-01	Leachate

Method	Batch	Laboratory ID	Client / Source ID
EPA 624.1	1IG0155	1IG0155-BS1	
		1IG0155-BSD1	
		1IG0155-BLK1	
		1IG0435-01	Leachate
		1IG0155-MS1	1IG0441-01
		1IG0155-MSD1	1IG0441-01

Method	Batch	Laboratory ID	Client / Source ID
EPA 1664A	1IG0243	1IG0243-BS1	
		1IG0243-DUP1	1IF1986-01
		1IG0243-BLK1	
		1IG0243-BSD1	
		1IG0435-01	Leachate

Method	Batch	Laboratory ID	Client / Source ID
EPA 351.2, Rv. 2 (1993)	1IG0264	1IG0264-MSD1	3IF0129-01
		1IG0264-MS1	3IF0129-01
		1IG0435-01	Leachate
		1IG0264-BS1	
		1IG0264-BLK1	

Method	Batch	Laboratory ID	Client / Source ID
EPA 625.1	1IG0266	1IG0266-BLK1	
		1IG0266-BS1	

EPA 625.1	1IG0266	1IG0266-BSD1	
		1IG0435-01	Leachate

Method	Batch	Laboratory ID	Client / Source ID
EPA 353.2, Rv. 2 (1993)	1IG0325	1IG0435-01	Leachate
		1IG0325-BLK1	
		1IG0325-MS1	1IG0427-01
		1IG0325-BS1	
		1IG0325-MSD1	1IG0427-01

Method	Batch	Laboratory ID	Client / Source ID
5310B	1IG0421	1IG0421-BS1	
		1IG0421-BSD1	
		1IG0421-BLK1	
		1IG0435-01	Leachate
		1IG0421-MS1	1IF2134-04
		1IG0421-MSD1	1IF2134-04

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 1IG0155 - EPA 5030B - EPA 624.1										
Blank (1IG0155-BLK1)		Prepared: 07/02/25 00:00 Analyzed: 07/02/25 17:44								
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							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
2-Chloroethylvinyl ether	<10.0	10.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0155 - EPA 5030B - EPA 624.1										
Blank (1IG0155-BLK1)			Prepared: 07/02/25 00:00 Analyzed: 07/02/25 17:44							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	*46.1*		ug/L	*50.2*		*91.8*	*59-123*			
Surrogate: 1,2-Dichloroethane-d4	*46.4*		ug/L	*50.4*		*92.1*	*56-130*			
Surrogate: Toluene-d8	*47.5*		ug/L	*50.5*		*94.1*	*85-113*			
Surrogate: 4-Bromofluorobenzene	*47.4*		ug/L	*50.2*		*94.5*	*82-112*			
LCS (1IG0155-BS1)			Prepared: 07/02/25 00:00 Analyzed: 07/02/25 16:35							
Dichlorodifluoromethane	23.57	1.0	ug/L	30.0		78.6	39-143			
Chloromethane	26.99	1.0	ug/L	30.0		90.0	5-205			
Vinyl Chloride	27.22	1.0	ug/L	30.0		90.7	5-195			
Bromomethane	31.81	1.0	ug/L	30.0		106	15-185			
Chloroethane	29.93	1.0	ug/L	30.0		99.8	40-160			
1,1-Dichloroethylene	49.89	1.0	ug/L	50.0		99.8	50-150			
Methylene Chloride	49.17	5.0	ug/L	50.0		98.3	60-140			
trans-1,2-Dichloroethylene	47.11	1.0	ug/L	50.0		94.2	70-130			
1,1-Dichloroethane	49.26	1.0	ug/L	50.0		98.5	70-130			
cis-1,2-Dichloroethylene	47.10	1.0	ug/L	50.0		94.2	57-148			
2-Butanone (MEK)	91.16	10.0	ug/L	100		91.2	44-134			
Chloroform	46.18	1.0	ug/L	50.0		92.4	70-135			
1,1,1-Trichloroethane	49.52	1.0	ug/L	50.0		99.0	70-130			
Carbon Tetrachloride	48.11	1.0	ug/L	50.0		96.2	70-130			
Benzene	51.24	1.0	ug/L	50.0		102	65-135			
1,2-Dichloroethane	48.75	1.0	ug/L	50.0		97.5	70-130			
Trichloroethylene	50.42	1.0	ug/L	50.0		101	65-135			
1,2-Dichloropropane	45.21	1.0	ug/L	50.0		90.4	35-165			
Dibromomethane	52.60	1.0	ug/L	50.0		105	71-139			
Bromodichloromethane	48.69	1.0	ug/L	50.0		97.4	65-135			
2-Chloroethylvinyl ether	119.3	10.0	ug/L	125		95.5	5-225			
2-Chloroethylvinyl ether	119.3	10.0	ug/L	125		95.5	5-225			
cis-1,3-Dichloropropene	51.39	1.0	ug/L	50.0		103	25-175			
Toluene	46.75	1.0	ug/L	50.0		93.5	70-130			
trans-1,3-Dichloropropene	50.83	1.0	ug/L	50.0		102	50-150			
1,1,2-Trichloroethane	46.50	1.0	ug/L	50.0		93.0	70-130			
Tetrachloroethylene	50.89	1.0	ug/L	50.0		102	70-130			
Chlorobenzene	49.56	1.0	ug/L	50.0		99.1	65-135			
Ethylbenzene	48.93	1.0	ug/L	50.0		97.9	60-140			
Xylenes, total	146.4	2.0	ug/L	150		97.6	79-126			
Bromoform	46.34	1.0	ug/L	50.0		92.7	70-130			

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0155 - EPA 5030B - EPA 624.1										
LCS (1IG0155-BS1)	Prepared: 07/02/25 00:00 Analyzed: 07/02/25 16:35									
1,1,2,2-Tetrachloroethane	46.45	1.0	ug/L	50.0		92.9	60-140			
1,3-Dichlorobenzene	49.60	1.0	ug/L	50.0		99.2	70-130			
1,4-Dichlorobenzene	47.43	1.0	ug/L	50.0		94.9	65-135			
1,2-Dichlorobenzene	48.66	1.0	ug/L	50.0		97.3	65-135			
Surrogate: Dibromofluoromethane	*47.7*		ug/L	*50.2*		*95.1*	*59-123*			
Surrogate: 1,2-Dichloroethane-d4	*50.5*		ug/L	*50.4*		*100*	*56-130*			
Surrogate: Toluene-d8	*49.7*		ug/L	*50.5*		*98.4*	*85-113*			
Surrogate: 4-Bromofluorobenzene	*49.9*		ug/L	*50.2*		*99.4*	*82-112*			
LCS Dup (1IG0155-BSD1)	Prepared: 07/02/25 00:00 Analyzed: 07/02/25 16:58									
Dichlorodifluoromethane	22.68	1.0	ug/L	30.0		75.6	39-143	3.85	30	
Chloromethane	26.14	1.0	ug/L	30.0		87.1	5-205	3.20	19	
Vinyl Chloride	25.60	1.0	ug/L	30.0		85.3	5-195	6.13	26	
Bromomethane	29.23	1.0	ug/L	30.0		97.4	15-185	8.45	20	
Chloroethane	30.58	1.0	ug/L	30.0		102	40-160	2.15	22	
1,1-Dichloroethylene	48.60	1.0	ug/L	50.0		97.2	50-150	2.62	19	
Methylene Chloride	46.89	5.0	ug/L	50.0		93.8	60-140	4.75	17	
trans-1,2-Dichloroethylene	45.99	1.0	ug/L	50.0		92.0	70-130	2.41	17	
1,1-Dichloroethane	48.02	1.0	ug/L	50.0		96.0	70-130	2.55	17	
cis-1,2-Dichloroethylene	47.97	1.0	ug/L	50.0		95.9	57-148	1.83	21	
2-Butanone (MEK)	92.14	10.0	ug/L	100		92.1	44-134	1.07	30	
Chloroform	44.17	1.0	ug/L	50.0		88.3	70-135	4.45	17	
1,1,1-Trichloroethane	47.22	1.0	ug/L	50.0		94.4	70-130	4.76	30	
Carbon Tetrachloride	46.75	1.0	ug/L	50.0		93.5	70-130	2.87	19	
Benzene	48.79	1.0	ug/L	50.0		97.6	65-135	4.90	17	
1,2-Dichloroethane	49.17	1.0	ug/L	50.0		98.3	70-130	0.858	15	
Trichloroethylene	47.37	1.0	ug/L	50.0		94.7	65-135	6.24	18	
1,2-Dichloropropane	44.20	1.0	ug/L	50.0		88.4	35-165	2.26	17	
Dibromomethane	50.21	1.0	ug/L	50.0		100	71-139	4.65	27	
Bromodichloromethane	46.67	1.0	ug/L	50.0		93.3	65-135	4.24	14	
2-Chloroethylvinyl ether	119.8	10.0	ug/L	125		95.8	5-225	0.393	26	
2-Chloroethylvinyl ether	119.8	10.0	ug/L	125		95.8	5-225	0.393	26	
cis-1,3-Dichloropropene	51.36	1.0	ug/L	50.0		103	25-175	0.0584	30	
Toluene	45.63	1.0	ug/L	50.0		91.3	70-130	2.42	17	
trans-1,3-Dichloropropene	48.37	1.0	ug/L	50.0		96.7	50-150	4.96	20	
1,1,2-Trichloroethane	46.30	1.0	ug/L	50.0		92.6	70-130	0.431	18	
Tetrachloroethylene	49.81	1.0	ug/L	50.0		99.6	70-130	2.14	16	
Chlorobenzene	48.87	1.0	ug/L	50.0		97.7	65-135	1.40	18	
Ethylbenzene	48.58	1.0	ug/L	50.0		97.2	60-140	0.718	17	
Xylenes, total	146.4	2.0	ug/L	150		97.6	79-126	0.0273	18	
Bromoform	48.90	1.0	ug/L	50.0		97.8	70-130	5.38	21	
1,1,2,2-Tetrachloroethane	47.23	1.0	ug/L	50.0		94.5	60-140	1.67	30	
1,3-Dichlorobenzene	47.82	1.0	ug/L	50.0		95.6	70-130	3.65	15	

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0155 - EPA 5030B - EPA 624.1										
LCS Dup (1IG0155-BSD1)			Prepared: 07/02/25 00:00 Analyzed: 07/02/25 16:58							
1,4-Dichlorobenzene	45.29	1.0	ug/L	50.0		90.6	65-135	4.62	15	
1,2-Dichlorobenzene	47.40	1.0	ug/L	50.0		94.8	65-135	2.62	15	
Surrogate: Dibromofluoromethane	*48.6*		ug/L	*50.2*		*96.8*	*59-123*			
Surrogate: 1,2-Dichloroethane-d4	*49.6*		ug/L	*50.4*		*98.4*	*56-130*			
Surrogate: Toluene-d8	*50.5*		ug/L	*50.5*		*100*	*85-113*			
Surrogate: 4-Bromofluorobenzene	*55.0*		ug/L	*50.2*		*110*	*82-112*			
Matrix Spike (1IG0155-MS1)	**Source: 1IG0441-01**		Prepared: 07/02/25 00:00 Analyzed: 07/02/25 19:16							
Dichlorodifluoromethane	222.7	10.0	ug/L	300	ND	74.2	46-151			
Chloromethane	254.0	10.0	ug/L	300	ND	84.7	5-273			
Vinyl Chloride	249.0	10.0	ug/L	300	ND	83.0	5-251			
Bromomethane	292.6	10.0	ug/L	300	ND	97.5	5-242			
Chloroethane	294.8	10.0	ug/L	300	ND	98.3	14-230			
1,1-Dichloroethylene	477.3	10.0	ug/L	500	ND	95.5	5-235			
Methylene Chloride	471.2	50.0	ug/L	500	ND	94.2	5-221			
trans-1,2-Dichloroethylene	447.0	10.0	ug/L	500	ND	89.4	54-156			
1,1-Dichloroethane	457.2	10.0	ug/L	500	ND	91.4	59-155			
cis-1,2-Dichloroethylene	457.1	10.0	ug/L	500	ND	91.4	42-168			
2-Butanone (MEK)	849.0	100	ug/L	1000	ND	84.9	57-133			
Chloroform	444.3	10.0	ug/L	500	ND	88.9	51-138			
1,1,1-Trichloroethane	468.2	10.0	ug/L	500	ND	93.6	52-162			
Carbon Tetrachloride	453.5	10.0	ug/L	500	ND	90.7	70-140			
Benzene	487.1	10.0	ug/L	500	ND	97.4	37-151			
1,2-Dichloroethane	489.8	10.0	ug/L	500	ND	98.0	59-155			
Trichloroethylene	485.0	10.0	ug/L	500	ND	97.0	70-157			
1,2-Dichloropropane	450.0	10.0	ug/L	500	ND	90.0	5-210			
Dibromomethane	501.9	10.0	ug/L	500	ND	100	62-141			
Bromodichloromethane	472.9	10.0	ug/L	500	ND	94.6	35-155			
2-Chloroethylvinyl ether	<100	100	ug/L	1250	ND		5-305			M2
2-Chloroethylvinyl ether	<100	100	ug/L	1250	ND		5-305			M2
cis-1,3-Dichloropropene	498.7	10.0	ug/L	500	ND	99.7	5-227			
Toluene	452.3	10.0	ug/L	500	ND	90.5	47-150			
trans-1,3-Dichloropropene	482.6	10.0	ug/L	500	ND	96.5	17-183			
1,1,2-Trichloroethane	466.1	10.0	ug/L	500	ND	93.2	52-150			
Tetrachloroethylene	505.9	10.0	ug/L	500	ND	101	64-148			
Chlorobenzene	485.9	10.0	ug/L	500	ND	97.2	37-160			
Ethylbenzene	505.5	10.0	ug/L	500	ND	101	79-119			
Xylenes, total	1476	20.0	ug/L	1500	ND	98.4	80-120			
Bromoform	490.1	10.0	ug/L	500	ND	98.0	45-169			
1,1,2,2-Tetrachloroethane	495.5	10.0	ug/L	500	ND	99.1	46-157			
1,3-Dichlorobenzene	492.4	10.0	ug/L	500	ND	98.5	59-156			
1,4-Dichlorobenzene	467.8	10.0	ug/L	500	ND	93.6	18-190			
1,2-Dichlorobenzene	490.2	10.0	ug/L	500	ND	98.0	18-190			

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0155 - EPA 5030B - EPA 624.1										
Matrix Spike (1IG0155-MS1)	**Source: 1IG0441-01**	Prepared: 07/02/25 00:00 Analyzed: 07/02/25 19:16								
Surrogate: Dibromofluoromethane	*468*		ug/L	*502*		*93.2*	*59-123*			
Surrogate: 1,2-Dichloroethane-d4	*478*		ug/L	*504*		*94.8*	*56-130*			
Surrogate: Toluene-d8	*493*		ug/L	*505*		*97.6*	*85-113*			
Surrogate: 4-Bromofluorobenzene	*547*		ug/L	*502*		*109*	*82-112*			
Matrix Spike Dup (1IG0155-MSD1)	**Source: 1IG0441-01**	Prepared: 07/02/25 00:00 Analyzed: 07/02/25 19:39								
Dichlorodifluoromethane	211.8	10.0	ug/L	300	ND	70.6	46-151	5.02	30	
Chloromethane	241.8	10.0	ug/L	300	ND	80.6	5-273	4.92	60	
Vinyl Chloride	238.4	10.0	ug/L	300	ND	79.5	5-251	4.35	66	
Bromomethane	277.1	10.0	ug/L	300	ND	92.4	5-242	5.44	61	
Chloroethane	281.8	10.0	ug/L	300	ND	93.9	14-230	4.51	78	
1,1-Dichloroethylene	445.1	10.0	ug/L	500	ND	89.0	5-235	6.98	32	
Methylene Chloride	432.4	50.0	ug/L	500	ND	86.5	5-221	8.59	60	
trans-1,2-Dichloroethylene	429.8	10.0	ug/L	500	ND	86.0	54-156	3.92	45	
1,1-Dichloroethane	457.5	10.0	ug/L	500	ND	91.5	59-155	0.0656	40	
cis-1,2-Dichloroethylene	426.9	10.0	ug/L	500	ND	85.4	42-168	6.83	28	
2-Butanone (MEK)	851.5	100	ug/L	1000	ND	85.2	57-133	0.294	30	
Chloroform	430.6	10.0	ug/L	500	ND	86.1	51-138	3.13	54	
1,1,1-Trichloroethane	460.8	10.0	ug/L	500	ND	92.2	52-162	1.59	36	
Carbon Tetrachloride	428.9	10.0	ug/L	500	ND	85.8	70-140	5.58	41	
Benzene	477.4	10.0	ug/L	500	ND	95.5	37-151	2.01	61	
1,2-Dichloroethane	452.2	10.0	ug/L	500	ND	90.4	59-155	7.98	49	
Trichloroethylene	467.1	10.0	ug/L	500	ND	93.4	70-157	3.76	48	
1,2-Dichloropropane	419.3	10.0	ug/L	500	ND	83.9	5-210	7.06	55	
Dibromomethane	498.5	10.0	ug/L	500	ND	99.7	62-141	0.680	11	
Bromodichloromethane	447.5	10.0	ug/L	500	ND	89.5	35-155	5.52	56	
2-Chloroethylvinyl ether	<100	100	ug/L	1250	ND		5-305		71	M2
2-Chloroethylvinyl ether	<100	100	ug/L	1250	ND		5-305		71	M2
cis-1,3-Dichloropropene	464.5	10.0	ug/L	500	ND	92.9	5-227	7.10	58	
Toluene	436.3	10.0	ug/L	500	ND	87.3	47-150	3.60	41	
trans-1,3-Dichloropropene	477.9	10.0	ug/L	500	ND	95.6	17-183	0.979	86	
1,1,2-Trichloroethane	454.2	10.0	ug/L	500	ND	90.8	52-150	2.59	45	
Tetrachloroethylene	507.1	10.0	ug/L	500	ND	101	64-148	0.237	39	
Chlorobenzene	481.3	10.0	ug/L	500	ND	96.3	37-160	0.951	53	
Ethylbenzene	481.6	10.0	ug/L	500	ND	96.3	79-119	4.84	63	
Xylenes, total	1428	20.0	ug/L	1500	ND	95.2	80-120	3.32	12	
Bromoform	475.9	10.0	ug/L	500	ND	95.2	45-169	2.94	42	
1,1,2,2-Tetrachloroethane	504.7	10.0	ug/L	500	ND	101	46-157	1.84	61	
1,3-Dichlorobenzene	484.0	10.0	ug/L	500	ND	96.8	59-156	1.72	43	
1,4-Dichlorobenzene	482.3	10.0	ug/L	500	ND	96.5	18-190	3.05	57	
1,2-Dichlorobenzene	509.1	10.0	ug/L	500	ND	102	18-190	3.78	57	
Surrogate: Dibromofluoromethane	*474*		ug/L	*502*		*94.4*	*59-123*			
Surrogate: 1,2-Dichloroethane-d4	*458*		ug/L	*504*		*90.9*	*56-130*			
Surrogate: Toluene-d8	*481*		ug/L	*505*		*95.3*	*85-113*			

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0155 - EPA 5030B - EPA 624.1										
Matrix Spike Dup (1IG0155-MSD1)	**Source: 1IG0441-01**		Prepared: 07/02/25 00:00 Analyzed: 07/02/25 19:39							
Surrogate: 4-Bromofluorobenzene	*512*		ug/L	*502*		*102*	*82-112*			

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0266 - EPA 625 BNA - EPA 625.1										
Blank (1IG0266-BLK1)			Prepared: 07/07/25 09:43 Analyzed: 07/09/25 13:25							
Bis(2-Chloroethyl) Ether	<10	10	ug/L							
2-Chlorophenol	<10	10	ug/L							
1,3-Dichlorobenzene	<10	10	ug/L							
1,4-Dichlorobenzene	<10	10	ug/L							
Benzyl Alcohol	<10	10	ug/L							
1,2-Dichlorobenzene	<10	10	ug/L							
Bis[2-Chloroisopropyl]ether	<10	10	ug/L							
n-Nitroso-di-n-propylamine	<10	10	ug/L							
Hexachloroethane	<10	10	ug/L							
Nitrobenzene	<10	10	ug/L							
Isophorone	<10	10	ug/L							
2-Nitrophenol	<10	10	ug/L							
2,4-Dimethylphenol	<10	10	ug/L							
Bis (2-Chloroethoxy) Methane	<10	10	ug/L							
Benzoic acid	<50	50	ug/L							
2,4-Dichlorophenol	<10	10	ug/L							
1,2,4-Trichlorobenzene	<10	10	ug/L							
Naphthalene	<10	10	ug/L							
Hexachlorobutadiene	<20	20	ug/L							
4-Chloro-3-methylphenol	<10	10	ug/L							
Hexachlorocyclopentadiene	<20	20	ug/L							
2,4,6-Trichlorophenol	<10	10	ug/L							
2,4,5-Trichlorophenol	<50	50	ug/L							
2-Chloronaphthalene	<10	10	ug/L							
Dimethylphthalate	<15	15	ug/L							
Acenaphthylene	<10	10	ug/L							
2,6-Dinitrotoluene	<10	10	ug/L							
Acenaphthene	<10	10	ug/L							
2,4-Dinitrophenol	<20	20	ug/L							
Dibenzofuran	<10	10	ug/L							
2,4-Dinitrotoluene	<10	10	ug/L							
4-Nitrophenol	<10	10	ug/L							
Diethyl Phthalate	<30	30	ug/L							
Fluorene	<10	10	ug/L							

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0266 - EPA 625 BNA - EPA 625.1										
Blank (1IG0266-BLK1)				Prepared: 07/07/25 09:43 Analyzed: 07/09/25 13:25						
4-Chlorophenyl Phenyl Ether	<10	10	ug/L							
4,6-Dinitro-2-methylphenol	<20	20	ug/L							
N-Nitrosodiphenylamine	<10	10	ug/L							
4-Bromophenyl Phenyl Ether	<10	10	ug/L							
Hexachlorobenzene	<10	10	ug/L							
Pentachlorophenol	<20	20	ug/L							
Phenanthrene	<10	10	ug/L							
Anthracene	<10	10	ug/L							
Di-n-butyl Phthalate	<10	10	ug/L							
Fluoranthene	<10	10	ug/L							
Pyrene	<10	10	ug/L							
Butyl Benzyl Phthalate	<10	10	ug/L							
Benzo(a)anthracene	<10	10	ug/L							
Chrysene	<10	10	ug/L							
Bis(2-Ethylhexyl) Phthalate	<10	10	ug/L							
Di-n-octyl Phthalate	<10	10	ug/L							
Indeno(1,2,3-cd)Pyrene	<10	10	ug/L							
3,3´-Dichlorobenzidine	<20	20	ug/L							
Benzo(b)Fluoranthene	<10	10	ug/L							
Benzo(k)Fluoranthene	<10	10	ug/L							
Benzo(a)Pyrene	<10	10	ug/L							
Dibenzo(a,h)anthracene	<10	10	ug/L							
Benzo(g,h,i)perylene	<10	10	ug/L							
Surrogate: 2-Fluorophenol	*11.5*		ug/L	*20.2*		*57.0*	*16-140*			
Surrogate: Phenol-d6	*11.0*		ug/L	*19.8*		*55.3*	*13-147*			
Surrogate: Nitrobenzene-d5	*11.3*		ug/L	*19.5*		*57.7*	*17-150*			
Surrogate: 2-Fluorobiphenyl	*12.6*		ug/L	*19.4*		*64.8*	*15-134*			
Surrogate: 2,4,6-Tribromophenol	*13.1*		ug/L	*20.5*		*63.7*	*20-158*			
Surrogate: Terphenyl-dl4	*ND*		ug/L	*12.2*		*64.4*	*12-157*			
LCS (1IG0266-BS1)				Prepared: 07/07/25 09:43 Analyzed: 07/09/25 13:50						
Bis(2-Chloroethyl) Ether	<10	10	ug/L	10.0		56.4	43-126			
2-Chlorophenol	<10	10	ug/L	10.0		63.7	36-120			
1,3-Dichlorobenzene	<10	10	ug/L	10.0		57.2	18-95			
1,4-Dichlorobenzene	<10	10	ug/L	10.0		59.4	18-99			
Benzyl Alcohol	<10	10	ug/L	10.0		43.0	10-125			
1,2-Dichlorobenzene	<10	10	ug/L	10.0		60.2	20-100			
Bis[2-Chloroisopropyl]ether	<10	10	ug/L	10.0		62.5	63-139			Q3
n-Nitroso-di-n-propylamine	<10	10	ug/L	10.0		53.8	14-198			
Hexachloroethane	<10	10	ug/L	10.0		51.4	55-120			Q3
Nitrobenzene	<10	10	ug/L	10.0		60.3	54-158			
Isophorone	<10	10	ug/L	10.0		58.6	47-180			
2-Nitrophenol	<10	10	ug/L	10.0		72.3	45-167			

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0266 - EPA 625 BNA - EPA 625.1										
LCS (1IG0266-BS1)				Prepared: 07/07/25 09:43 Analyzed: 07/09/25 13:50						
2,4-Dimethylphenol	<10	10	ug/L	10.0		67.2	42-120			
Bis (2-Chloroethoxy) Methane	<10	10	ug/L	10.0		58.8	49-165			
2,4-Dichlorophenol	<10	10	ug/L	10.0		74.8	53-122			
1,2,4-Trichlorobenzene	<10	10	ug/L	10.0		67.7	57-130			
Naphthalene	<10	10	ug/L	10.0		65.6	36-120			
Hexachlorobutadiene	<20	20	ug/L	10.0		55.4	38-120			
4-Chloro-3-methylphenol	<10	10	ug/L	10.0		65.4	41-128			
Hexachlorocyclopentadiene	<20	20	ug/L	10.0		48.3	10-107			
2,4,6-Trichlorophenol	<10	10	ug/L	10.0		78.4	52-129			
2,4,5-Trichlorophenol	<50	50	ug/L	10.0		78.6	50-121			
2-Chloronaphthalene	<10	10	ug/L	10.0		66.6	65-120			
Dimethylphthalate	<15	15	ug/L	10.0		71.2	1-120			
Acenaphthylene	<10	10	ug/L	10.0		70.1	54-126			
2,6-Dinitrotoluene	<10	10	ug/L	10.0		70.7	68-137			
Acenaphthene	<10	10	ug/L	10.0		65.6	60-132			
2,4-Dinitrophenol	<20	20	ug/L	10.0		132	1-172			
Dibenzofuran	<10	10	ug/L	10.0		68.9	49-108			
2,4-Dinitrotoluene	<10	10	ug/L	10.0		73.6	48-127			
4-Nitrophenol	<10	10	ug/L	10.0		74.1	13-129			
Diethyl Phthalate	<30	30	ug/L	10.0		75.5	1-120			
Fluorene	<10	10	ug/L	10.0		67.9	70-120			Q3
4-Chlorophenyl Phenyl Ether	<10	10	ug/L	10.0		71.3	38-145			
4,6-Dinitro-2-methylphenol	<20	20	ug/L	10.0		97.3	53-130			
N-Nitrosodiphenylamine	<10	10	ug/L	10.0		71.0	29-136			
4-Bromophenyl Phenyl Ether	<10	10	ug/L	10.0		74.1	44-127			
Hexachlorobenzene	<10	10	ug/L	10.0		70.9	8-142			
Pentachlorophenol	<20	20	ug/L	10.0		97.5	38-152			
Phenanthrene	<10	10	ug/L	10.0		73.3	65-120			
Anthracene	<10	10	ug/L	10.0		74.4	43-120			
Di-n-butyl Phthalate	<10	10	ug/L	10.0		69.9	8-120			
Fluoranthene	<10	10	ug/L	10.0		72.0	42-121			
Pyrene	<10	10	ug/L	10.0		79.0	70-120			
Butyl Benzyl Phthalate	<10	10	ug/L	10.0		69.2	1-140			
Benzo(a)anthracene	<10	10	ug/L	10.0		72.0	42-133			
Chrysene	<10	10	ug/L	10.0		72.6	44-140			
Bis(2-Ethylhexyl) Phthalate	<10	10	ug/L	10.0		78.9	29-137			
Di-n-octyl Phthalate	<10	10	ug/L	10.0		70.0	19-132			
Indeno(1,2,3-cd)Pyrene	<10	10	ug/L	10.0		72.1	1-151			
Benzo(b)Fluoranthene	<10	10	ug/L	10.0		75.0	42-140			
Benzo(k)Fluoranthene	<10	10	ug/L	10.0		77.3	27-168			
Benzo(a)Pyrene	<10	10	ug/L	10.0		74.8	32-148			
Dibenzo(a,h)anthracene	<10	10	ug/L	10.0		72.3	1-200			

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0266 - EPA 625 BNA - EPA 625.1										
LCS (1IG0266-BS1)			Prepared: 07/07/25 09:43 Analyzed: 07/09/25 13:50							
Benzo(g,h,i)perylene	<10	10	ug/L	10.0		71.2	1-195			
Surrogate: 2-Fluorophenol	*10.6*		ug/L	*20.2*		*52.3*	*16-140*			
Surrogate: Phenol-d6	*10.6*		ug/L	*19.8*		*53.7*	*13-147*			
Surrogate: Nitrobenzene-d5	*11.3*		ug/L	*19.5*		*57.7*	*17-150*			
Surrogate: 2-Fluorobiphenyl	*12.3*		ug/L	*19.4*		*63.5*	*15-134*			
Surrogate: 2,4,6-Tribromophenol	*12.8*		ug/L	*20.5*		*62.6*	*20-158*			
Surrogate: Terphenyl-dl4	*6.52*		ug/L	*12.2*		*53.5*	*12-157*			
LCS Dup (1IG0266-BSD1)			Prepared: 07/07/25 09:43 Analyzed: 07/09/25 14:14							
Bis(2-Chloroethyl) Ether	<10	10	ug/L	10.0		56.0	43-126	0.712	65	
2-Chlorophenol	<10	10	ug/L	10.0		64.3	36-120	0.937	37	
1,3-Dichlorobenzene	<10	10	ug/L	10.0		56.3	18-95	1.59	30	
1,4-Dichlorobenzene	<10	10	ug/L	10.0		58.9	18-99	0.845	30	
Benzyl Alcohol	<10	10	ug/L	10.0		44.9	10-125	4.32	30	
1,2-Dichlorobenzene	<10	10	ug/L	10.0		59.3	20-100	1.51	30	
Bis[2-Chloroisopropyl]ether	<10	10	ug/L	10.0		61.0	63-139	2.43	46	Q3
n-Nitroso-di-n-propylamine	<10	10	ug/L	10.0		52.9	14-198	1.69	52	
Hexachloroethane	<10	10	ug/L	10.0		51.8	55-120	0.775	32	Q3
Nitrobenzene	<10	10	ug/L	10.0		60.5	54-158	0.331	37	
Isophorone	<10	10	ug/L	10.0		58.4	47-180	0.342	56	
2-Nitrophenol	<10	10	ug/L	10.0		71.4	45-167	1.25	33	
2,4-Dimethylphenol	<10	10	ug/L	10.0		67.8	42-120	0.889	35	
Bis (2-Chloroethoxy) Methane	<10	10	ug/L	10.0		59.4	49-165	1.02	32	
2,4-Dichlorophenol	<10	10	ug/L	10.0		74.8	53-122	0.00	30	
1,2,4-Trichlorobenzene	<10	10	ug/L	10.0		66.4	57-130	1.94	30	
Naphthalene	<10	10	ug/L	10.0		64.6	36-120	1.54	39	
Hexachlorobutadiene	<20	20	ug/L	10.0		55.5	38-120	0.180	38	
4-Chloro-3-methylphenol	<10	10	ug/L	10.0		67.7	41-128	3.46	44	
Hexachlorocyclopentadiene	<20	20	ug/L	10.0		43.9	10-107	9.54	30	
2,4,6-Trichlorophenol	<10	10	ug/L	10.0		81.3	52-129	3.63	35	
2,4,5-Trichlorophenol	<50	50	ug/L	10.0		82.0	50-121	4.23	25	
2-Chloronaphthalene	<10	10	ug/L	10.0		66.7	65-120	0.150	26	
Dimethylphthalate	<15	15	ug/L	10.0		73.2	1-120	2.77	110	
Acenaphthylene	<10	10	ug/L	10.0		71.5	54-126	1.98	45	
2,6-Dinitrotoluene	<10	10	ug/L	10.0		74.3	68-137	4.97	29	
Acenaphthene	<10	10	ug/L	10.0		65.3	60-132	0.458	29	
2,4-Dinitrophenol	<20	20	ug/L	10.0		125	1-172	5.36	79	
Dibenzofuran	<10	10	ug/L	10.0		71.3	49-108	3.42	26	
2,4-Dinitrotoluene	<10	10	ug/L	10.0		77.3	48-127	4.90	25	
4-Nitrophenol	<10	10	ug/L	10.0		75.6	13-129	2.00	79	
Diethyl Phthalate	<30	30	ug/L	10.0		78.2	1-120	3.51	60	
Fluorene	<10	10	ug/L	10.0		70.6	70-120	3.90	23	
4-Chlorophenyl Phenyl Ether	<10	10	ug/L	10.0		74.8	38-145	4.79	36	

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0266 - EPA 625 BNA - EPA 625.1										
LCS Dup (1IG0266-BSD1)	Prepared: 07/07/25 09:43 Analyzed: 07/09/25 14:14									
4,6-Dinitro-2-methylphenol	<20	20	ug/L	10.0		97.2	53-130	0.103	122	
N-Nitrosodiphenylamine	<10	10	ug/L	10.0		72.8	29-136	2.50	30	
4-Bromophenyl Phenyl Ether	<10	10	ug/L	10.0		76.4	44-127	3.06	30	
Hexachlorobenzene	<10	10	ug/L	10.0		72.2	8-142	1.82	33	
Pentachlorophenol	<20	20	ug/L	10.0		91.7	38-152	6.13	52	
Phenanthrene	<10	10	ug/L	10.0		74.1	65-120	1.09	24	
Anthracene	<10	10	ug/L	10.0		76.5	43-120	2.78	40	
Di-n-butyl Phthalate	<10	10	ug/L	10.0		72.9	8-120	4.20	28	
Fluoranthene	<10	10	ug/L	10.0		73.6	42-121	2.20	40	
Pyrene	<10	10	ug/L	10.0		81.5	70-120	3.12	30	
Butyl Benzyl Phthalate	<10	10	ug/L	10.0		72.8	1-140	5.07	37	
Benzo(a)anthracene	<10	10	ug/L	10.0		75.1	42-133	4.21	32	
Chrysene	<10	10	ug/L	10.0		76.2	44-140	4.84	53	
Bis(2-Ethylhexyl) Phthalate	<10	10	ug/L	10.0		83.2	29-137	5.31	50	
Di-n-octyl Phthalate	<10	10	ug/L	10.0		71.4	19-132	1.98	42	
Indeno(1,2,3-cd)Pyrene	<10	10	ug/L	10.0		74.8	1-151	3.68	60	
Benzo(b)Fluoranthene	<10	10	ug/L	10.0		78.3	42-140	4.31	38	
Benzo(k)Fluoranthene	<10	10	ug/L	10.0		79.7	27-168	3.06	30	
Benzo(a)Pyrene	<10	10	ug/L	10.0		78.0	32-148	4.19	43	
Dibenzo(a,h)anthracene	<10	10	ug/L	10.0		75.2	1-200	3.93	75	
Benzo(g,h,i)perylene	<10	10	ug/L	10.0		74.1	1-195	3.99	61	
Surrogate: 2-Fluorophenol	*10.5*		ug/L	*20.2*		*51.7*	*16-140*			
Surrogate: Phenol-d6	*10.0*		ug/L	*19.8*		*50.7*	*13-147*			
Surrogate: Nitrobenzene-d5	*10.4*		ug/L	*19.5*		*53.4*	*17-150*			
Surrogate: 2-Fluorobiphenyl	*11.5*		ug/L	*19.4*		*59.4*	*15-134*			
Surrogate: 2,4,6-Tribromophenol	*12.9*		ug/L	*20.5*		*63.0*	*20-158*			
Surrogate: Terphenyl-dl4	*7.17*		ug/L	*12.2*		*58.9*	*12-157*			

Determination of Organochlorine Insecticides & PCBs	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0095 - EPA 608 OC/PCB - EPA 608.3 GC-ECD										
Blank (1IG0095-BLK1)	Prepared: 07/02/25 11:10 Analyzed: 07/02/25 15:36									
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							

Determination of Organochlorine Insecticides & PCBs	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0095 - EPA 608 OC/PCB - EPA 608.3 GC-ECD										
Blank (1IG0095-BLK1)			Prepared: 07/02/25 11:10 Analyzed: 07/02/25 15:36							
Dieldrin	<0.05	0.05	ug/L							
Endrin	<0.05	0.05	ug/L							
4,4`-DDD	<0.05	0.05	ug/L							
Endosulfan II	<0.05	0.05	ug/L							
4,4`-DDT	<0.05	0.05	ug/L							
Endrin Aldehyde	<0.05	0.05	ug/L							
Endosulfan Sulfate	<0.05	0.05	ug/L							
Chlordane	<0.10	0.10	ug/L							
Toxaphene	<0.20	0.20	ug/L							
Arochlor 1016	<0.20	0.20	ug/L							
Arochlor 1221	<0.20	0.20	ug/L							
Arochlor 1232	<0.20	0.20	ug/L							
Arochlor 1242	<0.20	0.20	ug/L							
Arochlor 1248	<0.20	0.20	ug/L							
Arochlor 1254	<0.20	0.20	ug/L							
Arochlor 1260	<0.20	0.20	ug/L							
Surrogate: Decachlorobiphenyl	*0.252*		ug/L	*0.600*		*42.1*	*10-148*			
Surrogate: Tetrachloro-m-xylene	*0.475*		ug/L	*0.600*		*79.2*	*10-144*			
LCS (1IG0095-BS1)			Prepared: 07/02/25 11:10 Analyzed: 07/02/25 15:51							
Gamma-BHC [Lindane]	0.177	0.05	ug/L	0.250		70.7	49-129			
Beta-BHC	0.162	0.05	ug/L	0.250		64.7	46-119			
Heptachlor	0.216	0.05	ug/L	0.250		86.2	58-130			
Delta-BHC	0.190	0.05	ug/L	0.250		76.0	51-145			
Aldrin	0.202	0.05	ug/L	0.250		80.9	51-113			
Heptachlor Epoxide	0.196	0.05	ug/L	0.250		78.5	50-130			
Endosulfan I	0.206	0.05	ug/L	0.250		82.5	49-137			
4,4`-DDE	0.223	0.05	ug/L	0.250		89.1	55-123			
Dieldrin	0.207	0.05	ug/L	0.250		82.9	32-135			
Endrin	0.223	0.05	ug/L	0.250		89.3	18-171			
4,4`-DDD	0.220	0.05	ug/L	0.250		88.0	56-129			
Endosulfan II	0.207	0.05	ug/L	0.250		82.7	41-140			
4,4`-DDT	0.232	0.05	ug/L	0.250		92.9	52-143			
Endrin Aldehyde	0.214	0.05	ug/L	0.250		85.6	43-131			
Endosulfan Sulfate	0.212	0.05	ug/L	0.250		84.9	58-123			
Surrogate: Tetrachloro-m-xylene	*0.419*		ug/L	*0.600*		*69.9*	*10-144*			
Surrogate: Decachlorobiphenyl	*0.279*		ug/L	*0.600*		*46.6*	*10-148*			
LCS Dup (1IG0095-BSD1)			Prepared: 07/02/25 11:10 Analyzed: 07/02/25 16:05							
Gamma-BHC [Lindane]	0.191	0.05	ug/L	0.250		76.3	49-129	7.66	30	
Beta-BHC	0.177	0.05	ug/L	0.250		71.0	46-119	9.32	30	
Heptachlor	0.230	0.05	ug/L	0.250		92.0	58-130	6.46	30	

Determination of Organochlorine Insecticides & PCBs	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0095 - EPA 608 OC/PCB - EPA 608.3 GC-ECD										
LCS Dup (1IG0095-BSD1)			Prepared: 07/02/25 11:10 Analyzed: 07/02/25 16:05							
Delta-BHC	0.202	0.05	ug/L	0.250		80.9	51-145	6.15	30	
Aldrin	0.208	0.05	ug/L	0.250		83.3	51-113	2.85	30	
Heptachlor Epoxide	0.208	0.05	ug/L	0.250		83.1	50-130	5.74	30	
Endosulfan I	0.212	0.05	ug/L	0.250		84.9	49-137	2.80	30	
4,4`-DDE	0.237	0.05	ug/L	0.250		94.7	55-123	6.09	30	
Dieldrin	0.220	0.05	ug/L	0.250		87.9	32-135	5.78	30	
Endrin	0.240	0.05	ug/L	0.250		96.2	18-171	7.40	30	
4,4`-DDD	0.240	0.05	ug/L	0.250		96.2	56-129	8.87	30	
Endosulfan II	0.221	0.05	ug/L	0.250		88.6	41-140	6.91	30	
4,4`-DDT	0.250	0.05	ug/L	0.250		100	52-143	7.29	30	
Endrin Aldehyde	0.231	0.05	ug/L	0.250		92.5	43-131	7.81	30	
Endosulfan Sulfate	0.228	0.05	ug/L	0.250		91.3	58-123	7.25	30	
Surrogate: Decachlorobiphenyl	*0.234*		ug/L	*0.600*		*39.0*	*10-148*			
Surrogate: Tetrachloro-m-xylene	*0.441*		ug/L	*0.600*		*73.4*	*10-144*			
Reference (1IG0095-SRM1)			Prepared: 07/02/25 11:10 Analyzed: 07/02/25 16:19							
Gamma-BHC [Lindane]	0.210	0.05	ug/L	0.250		84.0	80-120			
Beta-BHC	0.212	0.05	ug/L	0.250		84.8	80-120			
Heptachlor	0.250	0.05	ug/L	0.250		100	80-120			
Delta-BHC	0.213	0.05	ug/L	0.250		85.2	80-120			
Aldrin	0.227	0.05	ug/L	0.250		90.9	80-120			
Heptachlor Epoxide	0.212	0.05	ug/L	0.250		84.9	80-120			
Endosulfan I	0.227	0.05	ug/L	0.250		90.9	80-120			
4,4`-DDE	0.230	0.05	ug/L	0.250		92.0	80-120			
Dieldrin	0.220	0.05	ug/L	0.250		88.1	80-120			
Endrin	0.239	0.05	ug/L	0.250		95.5	80-120			
4,4`-DDD	0.225	0.05	ug/L	0.250		90.2	80-120			
Endosulfan II	0.215	0.05	ug/L	0.250		86.0	80-120			
4,4`-DDT	0.247	0.05	ug/L	0.250		98.7	80-120			
Endrin Aldehyde	0.240	0.05	ug/L	0.250		96.1	80-120			
Endosulfan Sulfate	0.221	0.05	ug/L	0.250		88.2	80-120			
Surrogate: Tetrachloro-m-xylene	*0.557*		ug/L	*0.600*		*92.8*	*10-144*			
Surrogate: Decachlorobiphenyl	*0.566*		ug/L	*0.600*		*94.4*	*10-148*			

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0023 - General Prep Micro - SM 5210 B-2016										
Blank (1IG0023-BLK1)			Prepared: 07/01/25 13:15 Analyzed: 07/01/25 14:18							
BOD (5 day)	<2	2	mg/L							

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0023 - General Prep Micro - SM 5210 B-2016										
Duplicate (1IG0023-DUP1)	**Source: 1IF2274-01**		Prepared: 07/01/25 13:15 Analyzed: 07/01/25 14:30							
BOD (5 day)	64.8	24	mg/L		64.8			0.00	30	
Reference (1IG0023-SRM1)			Prepared: 07/01/25 13:15 Analyzed: 07/01/25 14:25							
BOD (5 day)	201	100	mg/L	198		101	84.6-115.4			
Batch 1IG0025 - General Prep HPLC/IC - TIMBERLINE										
Blank (1IG0025-BLK1)			Prepared: 07/01/25 14:03 Analyzed: 07/01/25 14:25							
Nitrogen, Ammonia	<0.10	0.10	mg/L							
LCS (1IG0025-BS1)			Prepared: 07/01/25 14:03 Analyzed: 07/01/25 14:26							
Nitrogen, Ammonia	5.14	0.10	mg/L	5.00		103	90-114			
Matrix Spike (1IG0025-MS1)	**Source: 1IG0429-02**		Prepared: 07/01/25 14:03 Analyzed: 07/01/25 14:28							
Nitrogen, Ammonia	6.00	0.10	mg/L	5.00	0.694	106	84-115			
Matrix Spike Dup (1IG0025-MSD1)	**Source: 1IG0429-02**		Prepared: 07/01/25 14:03 Analyzed: 07/01/25 14:30							
Nitrogen, Ammonia	6.07	0.10	mg/L	5.00	0.694	107	84-115	0.999	20	
Batch 1IG0036 - Wet Chem Preparation - USGS I-3765-85										
Blank (1IG0036-BLK1)			Prepared: 07/01/25 14:50 Analyzed: 07/02/25 08:05							
Total Suspended Solids (TSS)	<1	1	mg/L							
LCS (1IG0036-BS1)			Prepared: 07/01/25 14:50 Analyzed: 07/02/25 08:05							
Total Suspended Solids (TSS)	14.6	1	mg/L	15.0		97.3	73-110			
Duplicate (1IG0036-DUP1)	**Source: 1IG0427-01**		Prepared: 07/01/25 14:50 Analyzed: 07/02/25 08:05							
Total Suspended Solids (TSS)	500	1	mg/L		710			34.7	30	R1
Batch 1IG0062 - Wet Chem Preparation - USGS I-1750-85										
Blank (1IG0062-BLK1)			Prepared: 07/02/25 07:05 Analyzed: 07/02/25 08:37							
Total Dissolved Solids (TDS)	<5	5	mg/L							
LCS (1IG0062-BS1)			Prepared: 07/02/25 07:05 Analyzed: 07/02/25 08:37							
Total Dissolved Solids (TDS)	86	5	mg/L	100		86.0	83-110			
Duplicate (1IG0062-DUP1)	**Source: 1IG0434-01**		Prepared: 07/02/25 07:05 Analyzed: 07/02/25 08:37							
Total Dissolved Solids (TDS)	316	5	mg/L		307			3.00	20	
Batch 1IG0087 - Wet Chem Preparation - SM 4500-H+ B-2011										
Duplicate (1IG0087-DUP1)	**Source: 1IG0434-01**		Prepared: 07/02/25 09:43 Analyzed: 07/02/25 16:54							
pH	8.0	0.5	pH		8.0			0.0251	10	
Reference (1IG0087-SRM1)			Prepared: 07/02/25 09:43 Analyzed: 07/02/25 16:54							
pH	7.0	0.5	pH	7.00		99.9	98.6-101.4			
Reference (1IG0087-SRM2)			Prepared: 07/02/25 09:43 Analyzed: 07/02/25 16:54							
pH	7.0	0.5	pH	7.00		100	98.6-101.4			

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0243 - Wet Chem Preparation - EPA 1664A										
Blank (1IG0243-BLK1)				Prepared: 07/07/25 07:14 Analyzed: 07/07/25 09:00						
Oil and Grease	<4	4	mg/L							
LCS (1IG0243-BS1)				Prepared: 07/07/25 07:14 Analyzed: 07/07/25 09:00						
Oil and Grease	36.9	4	mg/L	40.0		92.2	78-114			
LCS Dup (1IG0243-BSD1)				Prepared: 07/07/25 07:14 Analyzed: 07/07/25 09:00						
Oil and Grease	39.1	4	mg/L	40.0		97.8	78-114	5.79	18	
Duplicate (1IG0243-DUP1)	**Source: 1IF1986-01**			Prepared: 07/07/25 07:14 Analyzed: 07/07/25 09:00						
Oil and Grease	5.1	4	mg/L		7.5			38.1	18	R1
Batch 1IG0264 - Wet Chem Preparation - EPA 351.2, Rv. 2 (1993)										
Blank (1IG0264-BLK1)				Prepared & Analyzed: 07/07/25 09:47						
Nitrogen, Kjeldahl, total	<1.00	1.00	mg/L							
LCS (1IG0264-BS1)				Prepared & Analyzed: 07/07/25 09:47						
Nitrogen, Kjeldahl, total	21.9	1.00	mg/L	20.0		109	90-110			
Matrix Spike (1IG0264-MS1)	**Source: 3IF0129-01**			Prepared & Analyzed: 07/07/25 09:47						
Nitrogen, Kjeldahl, total	61.0	2.50	mg/L	50.0	4.81	112	90-110			M1
Matrix Spike Dup (1IG0264-MSD1)	**Source: 3IF0129-01**			Prepared & Analyzed: 07/07/25 09:47						
Nitrogen, Kjeldahl, total	62.0	2.50	mg/L	50.0	4.81	114	90-110	1.61	10	M1
Batch 1IG0325 - Wet Chem Preparation - EPA 353.2, Rv. 2 (1993)										
Blank (1IG0325-BLK1)				Prepared: 07/08/25 08:34 Analyzed: 07/08/25 15:46						
Nitrogen, Nitrate+Nitrite	<0.10	0.10	mg/L							
LCS (1IG0325-BS1)				Prepared: 07/08/25 08:34 Analyzed: 07/08/25 15:46						
Nitrogen, Nitrate+Nitrite	4.86	0.20	mg/L	5.00		97.2	90-110			
Matrix Spike (1IG0325-MS1)	**Source: 1IG0427-01**			Prepared: 07/08/25 08:34 Analyzed: 07/08/25 15:46						
Nitrogen, Nitrate+Nitrite	5.19	0.20	mg/L	5.00	0.55	92.8	90-110			
Matrix Spike Dup (1IG0325-MSD1)	**Source: 1IG0427-01**			Prepared: 07/08/25 08:34 Analyzed: 07/08/25 15:46						
Nitrogen, Nitrate+Nitrite	5.36	0.20	mg/L	5.00	0.55	96.3	90-110	3.26	20	
Batch 1IG0421 - TOC/DOC - 5310B										
Blank (1IG0421-BLK1)				Prepared: 07/08/25 00:00 Analyzed: 07/08/25 12:50						
Total Organic Carbon	<0.50	0.50	mg/L							
LCS (1IG0421-BS1)				Prepared: 07/08/25 00:00 Analyzed: 07/08/25 12:20						
Total Organic Carbon	4.99	0.50	mg/L	5.00		99.9	90-114			
LCS Dup (1IG0421-BSD1)				Prepared: 07/08/25 00:00 Analyzed: 07/08/25 12:35						
Total Organic Carbon	5.02	0.50	mg/L	5.00		100	90-114	0.599	10	
Matrix Spike (1IG0421-MS1)	**Source: 1IF2134-04**			Prepared: 07/08/25 00:00 Analyzed: 07/08/25 16:11						
Total Organic Carbon	7.14	0.50	mg/L	5.00	2.04	102	63-132			

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0421 - TOC/DOC - 5310B										
Matrix Spike Dup (1IG0421-MSD1)	**Source: 1IF2134-04**			Prepared: 07/08/25 00:00 Analyzed: 07/08/25 16:25						
Total Organic Carbon	7.02	0.50	mg/L	5.00	2.04	99.5	63-132	1.75	10	

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0053 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994)										
Blank (1IG0053-BLK1)				Prepared: 07/01/25 16:31 Analyzed: 07/02/25 17:53						
Arsenic, total	<0.0010	0.0010	mg/L							
Barium, total	<0.0010	0.0010	mg/L							
Cadmium, total	<0.0002	0.0002	mg/L							
Chromium, total	<0.0010	0.0010	mg/L							
Copper, total	<0.0050	0.0050	mg/L							
Lead, total	<0.0005	0.0005	mg/L							
Nickel, total	<0.0010	0.0010	mg/L							
Selenium, total	<0.0020	0.0020	mg/L							
Silver, total	<0.0050	0.0050	mg/L							
Zinc, total	<0.0200	0.0200	mg/L							
LCS (1IG0053-BS1)				Prepared: 07/01/25 16:31 Analyzed: 07/02/25 17:55						
Arsenic, total	0.106	0.0010	mg/L	0.100		106	85-115			
Barium, total	0.117	0.0010	mg/L	0.100		117	85-115			Q2
Cadmium, total	0.102	0.0002	mg/L	0.100		102	85-115			
Chromium, total	0.108	0.0010	mg/L	0.100		108	85-115			
Copper, total	0.103	0.0050	mg/L	0.100		103	85-115			
Lead, total	0.0973	0.0005	mg/L	0.100		97.3	85-115			
Nickel, total	0.0986	0.0010	mg/L	0.100		98.6	85-115			
Selenium, total	0.103	0.0020	mg/L	0.100		103	85-115			
Silver, total	0.104	0.0050	mg/L	0.100		104	85-115			
Zinc, total	0.102	0.0200	mg/L	0.100		102	85-115			
Matrix Spike (1IG0053-MS1)	**Source: 1IF2259-01**			Prepared: 07/01/25 16:31 Analyzed: 07/02/25 18:00						
Arsenic, total	0.112	0.0010	mg/L	0.100	0.0031	109	70-130			
Barium, total	0.139	0.0010	mg/L	0.100	0.0174	122	70-130			
Cadmium, total	0.106	0.0002	mg/L	0.100	0.00009	106	70-130			
Chromium, total	0.112	0.0010	mg/L	0.100	0.0030	109	70-130			
Copper, total	0.148	0.0050	mg/L	0.100	0.0429	105	70-130			
Lead, total	0.100	0.0005	mg/L	0.100	ND	100	70-130			
Nickel, total	0.129	0.0010	mg/L	0.100	0.0302	98.8	70-130			
Selenium, total	0.107	0.0020	mg/L	0.100	ND	107	70-130			
Silver, total	0.106	0.0050	mg/L	0.100	ND	106	70-130			
Zinc, total	0.121	0.0200	mg/L	0.100	0.0196	102	70-130			
Matrix Spike Dup (1IG0053-MSD1)	**Source: 1IF2259-01**			Prepared: 07/01/25 16:31 Analyzed: 07/02/25 18:07						
Arsenic, total	0.109	0.0010	mg/L	0.100	0.0031	106	70-130	2.92	20	
Barium, total	0.135	0.0010	mg/L	0.100	0.0174	118	70-130	3.02	20	

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0053 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994)										
Matrix Spike Dup (1IG0053-MSD1)	**Source: 1IF2259-01**		Prepared: 07/01/25 16:31 Analyzed: 07/02/25 18:07							
Cadmium, total	0.104	0.0002	mg/L	0.100	0.00009	104	70-130	1.89	20	
Chromium, total	0.108	0.0010	mg/L	0.100	0.0030	105	70-130	2.94	20	
Copper, total	0.140	0.0050	mg/L	0.100	0.0429	97.4	70-130	5.39	20	
Lead, total	0.102	0.0005	mg/L	0.100	ND	102	70-130	1.38	20	
Nickel, total	0.128	0.0010	mg/L	0.100	0.0302	97.4	70-130	1.09	20	
Selenium, total	0.104	0.0020	mg/L	0.100	ND	104	70-130	2.88	20	
Silver, total	0.103	0.0050	mg/L	0.100	ND	103	70-130	2.50	20	
Zinc, total	0.121	0.0200	mg/L	0.100	0.0196	101	70-130	0.688	20	
Post Spike (1IG0053-PS1)	**Source: 1IF2259-01**		Prepared: 07/01/25 16:31 Analyzed: 07/02/25 18:09							
Arsenic, total	0.0237		mg/L	0.0200	0.0031	103	70-130			
Barium, total	0.0376		mg/L	0.0200	0.0174	101	70-130			
Cadmium, total	0.0206		mg/L	0.0200	0.00009	102	70-130			
Chromium, total	0.0240		mg/L	0.0200	0.0030	105	70-130			
Copper, total	0.0615		mg/L	0.0200	0.0429	93.4	70-130			
Lead, total	0.0199		mg/L	0.0200	0.0001	99.1	70-130			
Nickel, total	0.0493		mg/L	0.0200	0.0302	95.5	70-130			
Selenium, total	0.0200		mg/L	0.0200	-0.000007	100	70-130			
Silver, total	0.0210		mg/L	0.0200	0.00003	105	70-130			
Zinc, total	0.0393		mg/L	0.0200	0.0196	98.4	70-130			
Batch 1IG0068 - EPA 7470A Hg Water - 245.1										
Blank (1IG0068-BLK1)			Prepared: 07/02/25 07:33 Analyzed: 07/02/25 12:15							
Mercury, total	<0.00050	0.00050	mg/L							
LCS (1IG0068-BS1)			Prepared: 07/02/25 07:33 Analyzed: 07/02/25 12:18							
Mercury, total	0.00256	0.00050	mg/L	0.00250		103	85-115			
Matrix Spike (1IG0068-MS1)	**Source: 1IF2131-01**		Prepared: 07/02/25 07:33 Analyzed: 07/02/25 12:22							
Mercury, total	0.00238	0.00050	mg/L	0.00250	ND	95.1	70-130			
Matrix Spike Dup (1IG0068-MSD1)	**Source: 1IF2131-01**		Prepared: 07/02/25 07:33 Analyzed: 07/02/25 12:25							
Mercury, total	0.00238	0.00050	mg/L	0.00250	ND	95.1	70-130	0.00	10	
Batch 1IG0141 - EPA 200.2 Total ICP-OES (200.7) - 200.7										
Blank (1IG0141-BLK1)			Prepared: 07/02/25 15:53 Analyzed: 07/07/25 20:05							
Iron, total	<0.100	0.100	mg/L							
LCS (1IG0141-BS1)			Prepared: 07/02/25 15:53 Analyzed: 07/07/25 20:11							
Iron, total	2.30	0.100	mg/L	2.20		105	85-115			
Matrix Spike (1IG0141-MS1)	**Source: 1IF2191-05**		Prepared: 07/02/25 15:53 Analyzed: 07/07/25 20:26							
Iron, total	2.76	0.100	mg/L	2.20	0.467	104	70-130			
Matrix Spike Dup (1IG0141-MSD1)	**Source: 1IF2191-05**		Prepared: 07/02/25 15:53 Analyzed: 07/07/25 20:35							
Iron, total	2.69	0.100	mg/L	2.20	0.467	101	70-130	2.53	20	
Post Spike (1IG0141-PS1)	**Source: 1IF2191-05**		Prepared: 07/02/25 15:53 Analyzed: 07/07/25 20:44							

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0141 - EPA 200.2 Total ICP-OES (200.7) - 200.7										
Post Spike (1IG0141-PS1)	**Source: 1IF2191-05**	Prepared: 07/02/25 15:53 Analyzed: 07/07/25 20:44								
Iron, total	9.55		mg/L	8.80	0.467	103	85-115			

Definitions

A14:	Sample was preserved with Hydrochloric Acid to pH <2 on receipt.
D1:	The sample was diluted during sample preparation (extraction, distillation or digestion) due to matrix interference.
H4:	The test was performed outside of the EPA recommended holding time of 15 minutes.
M1:	Matrix spike recovery is above acceptance limits.
M2:	Matrix spike recovery is below acceptance limits.
Q2:	LCS recovery is above acceptance limits.
Q3:	LCS recovery is below acceptance limits. The reported value is estimated.
Q8:	CCV recovery is below acceptance limits. The reported value is estimated.
R1:	Duplicate RPD is outside acceptance criteria.
RL:	Reporting Limit
RPD:	Relative Percent Difference

Cooler Receipt Log

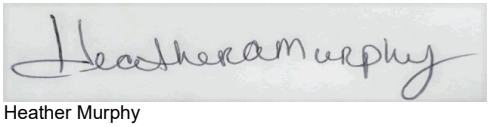
Cooler ID: Default Cooler Temp: 11.3°C

Cooler Inspection Checklist

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

Report Comments

Reviewed and Approved By:



Heather Murphy
Customer Relationship Specialist
heather.murphy@microbac.com
07/11/25 09:55

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>.***

CHAIN OF CUSTODY RECORD

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

SITE INFORMATION

Sampler:

Project: FMC SLF - Leachate
6028

REPORT TO

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

INVOICE TO

Lori King
Floyd Mitchell SWMA
3354 330th St
Elma, IA 50628

SPECIAL INSTRUCTIONS

None

As soon as you can! Thanks!

Turn Around Time
☐ Standard ☑ RUSH, need by ___/___/___

1 I G 0 4 3 5
HLW Engineering
PM: Heather Murphy

Temperature: 11-3 16.6 oC

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
01-001	Leachate	Aqueous	GRAB				624-105 624@2ceve as-t-200.8 se-t-200.8 dilution hg-t-245.1 toc-5310b fe-t-200.7 bod-5210 nh3-timberline 624@dichlorodifluoromethane 4500 ag-t-200.8 ba-t-200.8 cd-t-200.8 cr-t-200.8 cu-t-200.8 ni-t-200.8 zn-t-200.8 tkn-351.2 608-107 625-116 tss-i-3765-85 tds-i-1750-85 og-t-1664 pb-t-200.8 nitrogen-total	01

Relinquished By — Date/Time: 6/30/2025 8:00AM
Relinquished By — Date/Time
Received By — Date/Time
Received for Lab By: Amie Koffi — Date/Time: 07-1-25@10:35

Remarks:

MICROBAC®

Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1II0927

Floyd Mitchell SWMA

Lori King
3354 330th St
Elma, IA 50628

Project Name: Osage

Project / PO Number: N/A
Received: 09/11/2025
Reported: 09/30/2025

Analytical Testing Parameters

Client Sample ID:
Sample Matrix: Aqueous
Lab Sample ID: 1II0927-01

Collected By: TW
Collection Date: 09/10/2025 9:45

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 624.1							
Chloromethane	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
Vinyl Chloride	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
Bromomethane	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
Chloroethane	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
1,1-Dichloroethylene	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
Methylene Chloride	<250	250	ug/L		09/23/25 0000	09/23/25 1258	RAF
trans-1,2-Dichloroethylene	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
1,1-Dichloroethane	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
cis-1,2-Dichloroethylene	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
Chloroform	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
1,1,1-Trichloroethane	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
Carbon Tetrachloride	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
Benzene	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
1,2-Dichloroethane	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
Trichloroethylene	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
1,2-Dichloropropane	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
Bromodichloromethane	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
2-Chloroethylvinyl ether	<500	500	ug/L		09/23/25 0000	09/23/25 1258	RAF
cis-1,3-Dichloropropene	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
Toluene	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
trans-1,3-Dichloropropene	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
1,1,2-Trichloroethane	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
Tetrachloroethylene	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
Dibromochloromethane	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
Chlorobenzene	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
Ethylbenzene	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
Bromoform	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
1,1,2,2-Tetrachloroethane	<50.0	50.0	ug/L		09/23/25 0000	09/23/25 1258	RAF
Surrogate: Dibromofluoromethane	101	Limit: 59-123	% Rec		09/23/25 0000	09/23/25 1258	RAF
Surrogate: 1,2-Dichloroethane-d4	105	Limit: 56-130	% Rec		09/23/25 0000	09/23/25 1258	RAF
Surrogate: Toluene-d8	96.9	Limit: 85-113	% Rec		09/23/25 0000	09/23/25 1258	RAF
Surrogate: 4-Bromofluorobenzene	95.6	Limit: 82-112	% Rec		09/23/25 0000	09/23/25 1258	RAF

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 625.1							

CERTIFICATE OF ANALYSIS

1II0927

Client Sample ID:
Sample Matrix: Aqueous
Lab Sample ID: 1II0927-01
Collected By: TW
Collection Date: 09/10/2025 9:45

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bis(2-Chloroethyl) Ether	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
2-Chlorophenol	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
1,3-Dichlorobenzene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
1,4-Dichlorobenzene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Benzyl Alcohol	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
1,2-Dichlorobenzene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Bis[2-Chloroisopropyl]ether	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
n-Nitroso-di-n-propylamine	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Hexachloroethane	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Nitrobenzene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Isophorone	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
2-Nitrophenol	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
2,4-Dimethylphenol	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Bis (2-Chloroethoxy) Methane	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Benzoic acid	<250	250	ug/L		09/12/25 1331	09/26/25 1756	EPP
2,4-Dichlorophenol	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
1,2,4-Trichlorobenzene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Naphthalene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Hexachlorobutadiene	<100	100	ug/L		09/12/25 1331	09/26/25 1756	EPP
4-Chloro-3-methylphenol	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Hexachlorocyclopentadiene	<100	100	ug/L		09/12/25 1331	09/26/25 1756	EPP
2,4,6-Trichlorophenol	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
2,4,5-Trichlorophenol	<250	250	ug/L		09/12/25 1331	09/26/25 1756	EPP
2-Chloronaphthalene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Dimethylphthalate	<75	75	ug/L		09/12/25 1331	09/26/25 1756	EPP
Acenaphthylene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
2,6-Dinitrotoluene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Acenaphthene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
2,4-Dinitrophenol	<100	100	ug/L		09/12/25 1331	09/26/25 1756	EPP
Dibenzofuran	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
2,4-Dinitrotoluene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
4-Nitrophenol	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Diethyl Phthalate	<150	150	ug/L		09/12/25 1331	09/26/25 1756	EPP
Fluorene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
4-Chlorophenyl Phenyl Ether	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
4,6-Dinitro-2-methylphenol	<100	100	ug/L		09/12/25 1331	09/26/25 1756	EPP
N-Nitrosodiphenylamine	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
4-Bromophenyl Phenyl Ether	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Hexachlorobenzene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Pentachlorophenol	<100	100	ug/L		09/12/25 1331	09/26/25 1756	EPP
Phenanthrene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Anthracene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Di-n-butyl Phthalate	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP

CERTIFICATE OF ANALYSIS

1II0927

Client Sample ID:
Sample Matrix: Aqueous
Lab Sample ID: 1II0927-01

Collected By: TW
Collection Date: 09/10/2025 9:45

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Fluoranthene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Pyrene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Butyl Benzyl Phthalate	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Benzo(a)anthracene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Chrysene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Bis(2-Ethylhexyl) Phthalate	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Di-n-octyl Phthalate	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Indeno(1,2,3-cd)Pyrene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
3,3´-Dichlorobenzidine	<100	100	ug/L		09/12/25 1331	09/26/25 1756	EPP
Benzo(b)Fluoranthene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Benzo(k)Fluoranthene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Benzo(a)Pyrene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Dibenzo(a,h)anthracene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Benzo(g,h,i)perylene	<50	50	ug/L		09/12/25 1331	09/26/25 1756	EPP
Surrogate: 2-Fluorophenol	87.5	Limit: 16-140	% Rec		09/12/25 1331	09/26/25 1756	EPP
Surrogate: Phenol-d6	94.1	Limit: 13-147	% Rec		09/12/25 1331	09/26/25 1756	EPP
Surrogate: Nitrobenzene-d5	83.6	Limit: 17-150	% Rec		09/12/25 1331	09/26/25 1756	EPP
Surrogate: 2-Fluorobiphenyl	86.0	Limit: 15-134	% Rec		09/12/25 1331	09/26/25 1756	EPP
Surrogate: 2,4,6-Tribromophenol	89.6	Limit: 20-158	% Rec		09/12/25 1331	09/26/25 1756	EPP
Surrogate: Terphenyl-dl4	99.9	Limit: 12-157	% Rec		09/12/25 1331	09/26/25 1756	EPP

Determination of Organochlorine Insecticides & PCBs	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 608.3 GC-ECD							
Gamma-BHC [Lindane]	<0.25	0.25	ug/L		09/15/25 1302	09/29/25 1209	EPP
Beta-BHC	<0.25	0.25	ug/L		09/15/25 1302	09/29/25 1209	EPP
Heptachlor	<0.25	0.25	ug/L		09/15/25 1302	09/29/25 1209	EPP
Delta-BHC	<0.25	0.25	ug/L		09/15/25 1302	09/29/25 1209	EPP
Aldrin	<0.25	0.25	ug/L		09/15/25 1302	09/29/25 1209	EPP
Heptachlor Epoxide	<0.25	0.25	ug/L		09/15/25 1302	09/29/25 1209	EPP
Endosulfan I	<0.25	0.25	ug/L		09/15/25 1302	09/29/25 1209	EPP
4,4`-DDE	<0.25	0.25	ug/L		09/15/25 1302	09/29/25 1209	EPP
Dieldrin	<0.25	0.25	ug/L		09/15/25 1302	09/29/25 1209	EPP
Endrin	<0.25	0.25	ug/L		09/15/25 1302	09/29/25 1209	EPP
4,4`-DDD	<0.25	0.25	ug/L		09/15/25 1302	09/29/25 1209	EPP
Endosulfan II	<0.25	0.25	ug/L		09/15/25 1302	09/29/25 1209	EPP
4,4`-DDT	<0.25	0.25	ug/L		09/15/25 1302	09/29/25 1209	EPP
Endrin Aldehyde	<0.25	0.25	ug/L		09/15/25 1302	09/29/25 1209	EPP
Endosulfan Sulfate	<0.25	0.25	ug/L		09/15/25 1302	09/29/25 1209	EPP
Chlordane	<0.50	0.50	ug/L		09/15/25 1302	09/29/25 1209	EPP
Toxaphene	<1.00	1.00	ug/L		09/15/25 1302	09/29/25 1209	EPP
Arochlor 1016	<1.00	1.00	ug/L		09/15/25 1302	09/29/25 1209	EPP
Arochlor 1221	<1.00	1.00	ug/L		09/15/25 1302	09/29/25 1209	EPP
Arochlor 1232	<1.00	1.00	ug/L		09/15/25 1302	09/29/25 1209	EPP

CERTIFICATE OF ANALYSIS

1II0927

Client Sample ID:
Sample Matrix: Aqueous
Lab Sample ID: 1II0927-01

Collected By: TW
Collection Date: 09/10/2025 9:45

Determination of Organochlorine Insecticides & PCBs	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Arochlor 1242	<1.00	1.00	ug/L		09/15/25 1302	09/29/25 1209	EPP
Arochlor 1248	<1.00	1.00	ug/L		09/15/25 1302	09/29/25 1209	EPP
Arochlor 1254	<1.00	1.00	ug/L		09/15/25 1302	09/29/25 1209	EPP
Arochlor 1260	<1.00	1.00	ug/L		09/15/25 1302	09/29/25 1209	EPP
Surrogate: Decachlorobiphenyl	21.5	Limit: 10-148	% Rec		09/15/25 1302	09/29/25 1209	EPP
Surrogate: Tetrachloro-m-xylene	57.0	Limit: 10-144	% Rec		09/15/25 1302	09/29/25 1209	EPP

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
4500CN-E							
Cyanide, total	<0.005	0.005	mg/L		09/16/25 0926	09/17/25 1519	AKK
5310B							
Total Organic Carbon	**246**	25.0	mg/L		09/19/25 0000	09/19/25 1443	CSM
EPA 1664A							
Oil and Grease	<4	4	mg/L	**A14**	09/17/25 1108	09/18/25 0730	RDH
EPA 351.2, Rv. 2 (1993)							
Nitrogen, Kjeldahl, total	**488**	50.0	mg/L		09/22/25 0926	09/24/25 1623	SAA
EPA 353.2, Rv. 2 (1993)							
Nitrogen, Nitrate+Nitrite	**6.31**	0.10	mg/L		09/23/25 0836	09/23/25 1254	SAA
SM 4500-H+ B-2011							
pH	**8.2**	0.5	pH	**H4**		09/11/25 1633	BSS
SM 5210 B-2016							
BOD (5 day)	**22**	6	mg/L	**H2**	09/16/25 1403	09/16/25 1449	MND
TIMBERLINE							
Nitrogen, Ammonia	**370**	5.00	mg/L		09/15/25 1200	09/15/25 1500	BHF
TKN+NOX							
Nitrogen, total	**494**	0.100	mg/L		09/23/25 0836	09/24/25 1623	SAA
USGS I-1750-85							
Total Dissolved Solids (TDS)	**4480**	5	mg/L		09/15/25 0700	09/15/25 1023	LAW
USGS I-3765-85							
Total Suspended Solids (TSS)	**25**	1	mg/L		09/11/25 1304	09/12/25 1014	LAW

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
200.7							
Iron, total	**4.58**	0.100	mg/L		09/12/25 1641	09/16/25 0500	JAR
EPA 200.8, Rv. 5.4 (1994)							
Arsenic, total	**0.0573**	0.0010	mg/L		09/11/25 1529	09/12/25 2049	JAR
Barium, total	**0.191**	0.0010	mg/L		09/11/25 1529	09/12/25 2049	JAR
Cadmium, total	**0.0008**	0.0002	mg/L		09/11/25 1529	09/12/25 2049	JAR
Chromium, total	**0.0935**	0.0010	mg/L		09/11/25 1529	09/12/25 2049	JAR
Copper, total	<0.0050	0.0050	mg/L		09/11/25 1529	09/12/25 2049	JAR
Lead, total	**0.0008**	0.0005	mg/L		09/11/25 1529	09/12/25 2049	JAR
Nickel, total	**0.143**	0.0010	mg/L		09/11/25 1529	09/12/25 2049	JAR

CERTIFICATE OF ANALYSIS

1II0927

Client Sample ID:
Sample Matrix: Aqueous
Lab Sample ID: 1II0927-01

Collected By: TW
Collection Date: 09/10/2025 9:45

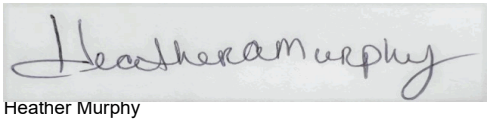
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Selenium, total	**0.0034**	0.0020	mg/L		09/11/25 1529	09/12/25 2049	JAR
Silver, total	<0.0050	0.0050	mg/L		09/11/25 1529	09/12/25 2049	JAR
Zinc, total	**0.0377**	0.0200	mg/L		09/11/25 1529	09/12/25 2049	JAR
EPA 7470A							
Mercury, total	<0.00050	0.00050	mg/L		09/12/25 1628	09/16/25 1512	JAR

Definitions

A14: Sample was preserved with Hydrochloric Acid to pH <2 on receipt.
H2: Initial analysis was within holding time. Reanalysis was done past holding time.
H4: The test was performed outside of the EPA recommended holding time of 15 minutes.
RL: Reporting Limit

Report Comments

Reviewed and Approved By:



Heather Murphy
Customer Relationship Specialist
heather.murphy@microbac.com
09/30/25 16:57

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>.***

CHAIN OF CUSTODY RECORD

MICROBAC®
600 East 17th Street South
Newton, IA 50208
Phone: 641-792-8451

SITE INFORMATION

Sampler:

Project: Osage

REPORT TO

Lori King
Floyd Mitchell SWMA
3354 330th St
Elma, IA 50628

INVOICE TO

Lori King
Floyd Mitchell SWMA
3354 330th St
Elma, IA 50628

SPECIAL INSTRUCTIONS

None

Turn Around Time
☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

1 I I 0 9 2 7
Floyd Mitchell SWMA
PM: Heather Murphy

Temperature: 0.2 ice ✓ oC

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
01-001	_____	Aqueous	GRAB				as-t-200.8, se-t-200.8, dilution, toc-5310b, fe-t-200.7, hg-t-7470, bod-5210, cn-t-4500e, nh3-timberline, ph-4500, ag-t-200.8, ba-t-200.8, cd-t-200.8, cr-t-200.8, cu-t-200.8, ni-t-200.8, zn-t-200.8, tkn-351.2, 608-107, 625-116, 624-125, tss-i-3765-85, tds-i-1750-85, og-t-1664, pb-t-200.8, nitrogen-total	01

Tyler Wright 9-10-25 9:45
Relinquished By Date/Time

Received By Date/Time

Relinquished By Date/Time

Jenny Hochstetler 9/11/25 10:25
Received for Lab By Date/Time

Remarks: