

2025 ANNUAL GROUNDWATER QUALITY REPORT

FOR THE

DELAWARE COUNTY SANITARY LANDFILL

28-SDP-1-74C

DELAWARE COUNTY, IOWA

by:

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Certification

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Date: 1-12-2026

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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 included in Amendment #11, dated April 2, 2018 (Doc #91935).

1.2 Report Priority

It is recommended that semi-annual detection and assessment monitoring continue in 2026 in accordance with IAC 567, Chapter 113.10(5) and (6).

SSI continue to be detected at MW-5, MW-6, MW-7, MW-8, MW-21, MW-23, MW-24, and MW-25. It is recommended that these wells remain in the Assessment Monitoring network.

Based on the Confidence Interval Assessment for VOC and inorganic compounds, arsenic, cobalt, and nickel at MW-8 continue to be recorded as SSL at the facility. Continue to evaluate water quality at MW-8 through September, 2027.

Once MW-8 is appropriately addressed, the feasibility of this site pursuing an Environmental Covenant prior to expiration of the Closure Permit on June 30, 2030 should be considered.

1.3 Period of Report Coverage

Water quality data evaluation is based on a running compilation of data beginning in September, 2012. Statistical evaluations herein are based on the 2025 water quality data collected March 17, 2025; July 14, 2025; and September 17, 2025.

1.4 Current Site Map

Figure 1 illustrates the current site features, gas probes, and monitoring well locations.

1.5 Site Status and Applicable Rules

Site Location

The Delaware County Sanitary Landfill is located in the SW¼ of Section 22 and the NW¼ of Section 27, T88N, R4W, Delaware County, Iowa. Waste deposition areas at the site encompass approximately 20 acres (Figure 1). The facility operates under Iowa Department of Natural Resources (IDNR) Closure Permit No. 28-SDP-1-74C. The landfill was closed in December, 2000 under Iowa Administrative Code (IAC) Chapter 103 (predating current IAC 567, Chapter 113).

Landfill Layout

The site is situated in gently rolling terrain and adjacent properties are pasture, timber, and cultivated farm ground. Surface runoff from the landfill property generally flows toward the south to a detention basin and is controlled by the topographic surface. Surface runoff from the western parts of the site flows west onto pasture ground and eventually to an intermittent stream west of the site.

Applicable Rules

Groundwater monitoring at the site is conducted in accordance with IAC 567-113 as per the variance approved on September 4, 2012.

1.6 Summary of Hydrologic Monitoring System Plan (HMSP)

The current HMSP includes ten (10) monitoring wells. Monitoring wells include MW-11 (background), MW-20 (background), MW-5, MW-6, MW-7, MW-8, MW-21, MW-23, MW-24, and MW-25. The Site Plan and the monitoring network are illustrated on Figure 1. The current HMSP is summarized in Table 1. The HMSP Implementation Schedule for 2026 is itemized in Table 2.

MONITORING WELL MAINTENANCE PERFORMANCE REEVALUATION

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

High & Low Water Levels

Current water elevation data is included on Table 4. Historic water elevation data is included in Table 4A. The maximum depth to water and the minimum depth to water are included in the tables. The information in Table 4 and Table 4A includes an evaluation of the water table surface relative to the top of the screen. This was requested (Doc #92037), since several wells are utilized as subsurface gas monitoring points. A Groundwater Contour Map (Figure 2) dated September, 2025 is included with this report. The groundwater contour map illustrates the water table surface and the effects of the topography.

Review of the water elevation data indicates that the water table in the unconsolidated sediments varies throughout the year based on the annual precipitation conditions and demonstrates a cyclic nature to the water table seasonally.

Well Depth & Sedimentation

Well depth measurements were made in September, 2025. Review of the well depth data included on Table 4 indicates that well sedimentation is estimated to be less than 12 inches at all site monitoring wells.

Well Recharge Rates & Chemistry

The originally measured horizontal hydraulic conductivity testing results for each site monitoring well is included on Table 4. Horizontal hydraulic conductivities ranged between 10^{-5} cm/sec and 10^{-7} cm/sec.

Field recovery data recorded on IDNR Form 542-1322 for March 1, 2024 (also on Table 4) indicates that the monitoring wells recover to at least 90% recovery within 8 hours after purging. The exceptions are MW-5 and MW-25, where greater than 24 hours are required for the wells to recover. Well recovery information indicates that recharge to the individual wells remained sufficient to promote collection of representative water quality samples and the wells were

functioning as intended. Monitoring well recharge reevaluation is due biennially according to 113.10(2)“F”, and should be evaluated again in 2026.

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

Monitoring Well MW-8

In the 2023 Annual Water Quality Report (Doc #108994) SSL were identified at MW-8 for arsenic, cobalt, and nickel. On April 1, 2024 (Doc #109691) IDNR requested delineation in the vicinity of MW-8. A plan was presented to IDNR on May 2, 2024 (Doc #109982). On May 29, 2024, IDNR responded with requests for additional information and requests for supplemental plans for delineation near MW-8. On June 28, 2024 a request was filed with IDNR to delay delineation until a later date when static water levels had rebounded following several years of drought conditions. Specific water elevation data and graphs for MW-8 were submitted to IDNR as part of the June 28, 2024 delay request. The water elevation tables and graphs specific to MW-8 are included in this report as Table 4B.

Based on the June 28, 2024 request, IDNR granted an extension to the deadline for delineation at MW-8 through the fall 2027 sampling event (Doc # 110483) to determine whether the SSL persist (assuming that the water table rebounds prior to September of 2027).

In April 2024 three (3) sumps were installed downgradient of MW-8 near the borrow pit pond. Water elevations for Sump 1, Sump 2, and Sump 3 are included in the 2025 Water Table Contour Map (Figure 2). The water table contours confirm a strong flow gradient from MW-8 toward the pond.

On June 13, 2024 MW-8 was re-developed to remove any accumulated solids from the casing and/or gravel pack and to remove any stagnant water containing high dissolved solids from the well.

Section 2.0 Reporting Period Monitoring Activities

Prior to September 4, 2012, monitoring was performed according to Iowa Administrative Code 567-103 and 113 that predated current IAC 567, Chapter 113. For a summary of testing performed under the previous rule see document #82279. In addition, full Appendix II samples were collected from various site monitoring points in 2009 and 2011 (prior to September 4, 2012). A summary of the Appendix II sample collection events at each well is included in Table 2. A comprehensive summary of all sampling episodes to date is included in Table 2A.

Field sampling information for March 17, 2025; July 14, 2025; and September 17, 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 March 20, 2009 and September 17, 2025, is included in Table 9.

2.1 Current Detection Monitoring Activities

Background wells are MW-11 and MW-20. Downgradient monitoring wells for the facility are MW-5, MW-6, MW-7, MW-8, MW-21, MW-23, MW-24, and MW-25.

2.2 Current Assessment Monitoring Activities

Site monitoring points that are currently in Assessment Monitoring include MW-5, MW-6, MW-7, MW-8, MW-21, MW-23, MW-24, and MW-25 (all downgradient wells). At least two (2) annual rounds of full Appendix II samples have been collected at each assessment monitoring point. The frequency of assessment monitoring was relaxed to a five (5) year frequency by Permit Amendment #7, dated August 13, 2015 (Doc# 84063). The upcoming full Appendix II sampling events are summarized in Table 2.

Historically compounds exclusive to the Appendix II list (bis(2-ethylhexyl)phthalate, 1,1-dichloropropene, and dichlorofluoromethane) were detected at all down gradient wells (except MW-7) and all were sampled for supplemental compounds semi-annually for numerous years. In the IDNR letters dated April 11, 2018 (Doc # 92037) and June 15, 2023 (Doc #106992), the frequency of the supplemental sampling was reduced to once per five (5) years to coordinate with the frequency of full Appendix II sampling.

2.3 Current Corrective Action Activities

There are no Corrective Actions in place at the facility.

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

The Analytical Reports for the laboratory testing for samples collected March 17, 2025; July 14, 2025; and September 17, 2025 are included in Appendix C.

QUALITY ASSURANCE/QUALITY CONTROL

A blind duplicate sample was collected at MW-24 during the March 17, 2025, sampling episode. A blind duplicate sample was collected at MW-25 during the September 17, 2025, sampling episode.

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

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

- a) Both the original and the duplicate results are less than five (5) times the Reporting Limit.
- b) One or both results are qualified, flagged, or estimated.
- c) One or both results are non-detected.

The results of the blind duplicate and the monitoring well results for March 17, 2025 and September 17, 2025 were within the limits established and indicate that the data quality is acceptable without restriction.

BACKGROUND DATA VALIDATION & PREDICTION LIMITS

On July 10, 2014 an unnumbered Permit Amendment and Memo was issued by the IDNR regarding turbidity (Doc # 80733). A TSS and Field Turbidity Evaluation Report was prepared and submitted on August 19, 2015 (Doc# 84118), and was approved by IDNR September 1, 2015 (Doc# 84152). The approved TSS and Field Turbidity Evaluation Report includes a requirement to evaluate and sort data within the background data pool and retain only data that is validated as appropriate.

At the present time, a significant number of “No Purge” sample collection episodes are complete (beginning April 2015). All data collected prior to April 2015 was collected by Purge & Sample methods and has been excluded from use in calculation of the prediction limits for each compound.

A summary table of field measured turbidity is also included in Appendix D.

Upgradient Data, Table 1, Attachment B, to the October 2025 Statistical Evaluation Report (Appendix B.2) includes a summary of the background data used herein.

The calculated Prediction Limits are summarized on Table 5.

SITE SPECIFIC GWPS

The information included on Table 5 indicates that all calculated Prediction Limits are below the applicable GWPS, except for cobalt. A Site-Specific Groundwater Protection Standard for cobalt is proposed as the Prediction Limit (2.2 ug/L) in lieu of the Statewide Standard published IAC 567, Chapter 137 (2.1 ug/L). All other compounds utilize the published IAC 567, Chapter 137 Statewide Standards as the GWPS herein.

STATISTICALLY SIGNIFICANT INCREASES (SSI)

The detected concentrations of each compound are compared to the site prediction limit for each respective compound calculated based on the background data set. A detected concentration for a compound that is in excess of the calculated site prediction limit in a Detection Monitoring Well is recorded as a Statistically Significant Increase (SSI). Since the Prediction limit for VOC is set at the laboratory Method Reporting Limit, any VOC detection is recorded as an SSI.

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 also included in Appendix E. Table 6 is a detailed summary of all compounds at site monitoring wells that have exceeded a prediction limit in the *current monitoring year*.

The prediction limit exceedances are recorded 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 Assessment Monitoring, or Corrective Action Monitoring is not an SSI, instead the exceedance is further evaluated by Confidence Interval Statistics.

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

ASSESSMENT MONITORING SUMMARY

Assessment monitoring is performed at each well where an SSI has been recorded. At least two (2) annual full rounds of Appendix II assessment monitoring has been completed at assessment monitoring wells MW-5, MW-6, MW-7, MW-8, MW-21, MW-23, MW-24, and MW-25.

The frequency of assessment monitoring was relaxed to a five (5) year frequency by Permit Amendment #7, dated August 13, 2015 (Doc# 84063).

Compounds detected beyond the Appendix I list are limited to bis (2-ethylhexyl)phthalate, 1,1-dichloropropene, and dichlorodifluoromethane. These additional compounds are included in the assessment monitoring at the respective wells on a five (5) year frequency as approved by the IDNR Letters dated April 11, 2018 (Doc # 92037) and June 15, 2023 (Doc #106992)

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

STATISTICALLY SIGNIFICANT LEVELS (SSL)

The compounds with detections that exceed site prediction limits are utilized to calculate the Confidence Interval (the 95% lower confidence limits (LCL) and the 95% upper control limits (UCL)) for those compounds 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 require the completion of an Assessment of Corrective Measures (ACM).

The SSL Evaluation is based on data collected since April 21, 2015. The Confidence Intervals (95% LCL and 95% UCL) for downgradient wells are calculated during each statistical evaluation based on the most recent four (4) data points. The 95% LCL evaluation is presented in Table 7. The yellow highlights in Table 7 indicate an exceedance of the GWPS.

Based on the findings to date, the following SSL have been identified:

SSL at MW-8 – Arsenic, cobalt, and nickel

As discussed in detail in the Monitoring Well Maintenance Performance Reevaluation Plan in Section 1, delineation of the arsenic, cobalt, and nickel is suspended as approved until 2028 (Doc # 110483).

CORRECTIVE ACTIONS & MONITORING

MW-8

The 95% UCL evaluation for arsenic, cobalt, and nickel at MW-8 is presented in Table 8. The green highlights in Table 8 indicate the 95% UCL values that exceed the GWPS.

Table 10 represents a summary of the recorded SSI and SSL over time at MW-8. Table 11 includes the evaluation of the corrective action trends over time at MW-8.

There are no Corrective Actions in place at this facility.

Section 4.0 Leachate Collection System Performance Evaluation

This facility closed under rules in effect at the time of closure. Leachate Collection and/or conveyance systems do not exist at this site. Therefore, there is no requirement for a Leachate Collection System Performance Evaluation.

Section 5.0 Gas Monitoring

Explosive gas monitoring is conducted per 113.9(2), Permit Amendment #13, dated May 9, 2018, and Permit Amendment #14, dated June 21, 2018. Gas Monitoring was performed semi-annually as required. The following subsurface monitoring points are included in the approved GMSP, as illustrated on Figure 1.

GP-1 -	subsurface
GP-2 -	subsurface
GP-3 -	subsurface
MW-5 -	subsurface
MW-8 -	subsurface
MW-11 -	subsurface
MW-20 -	subsurface
MW-21 -	subsurface
MW-23 -	subsurface

A summary table of gas monitoring is included as Table 13.

The evaluation of the water table with reference to the top of the well screen in the monitoring wells used for gas monitoring is included in the Table 4A.

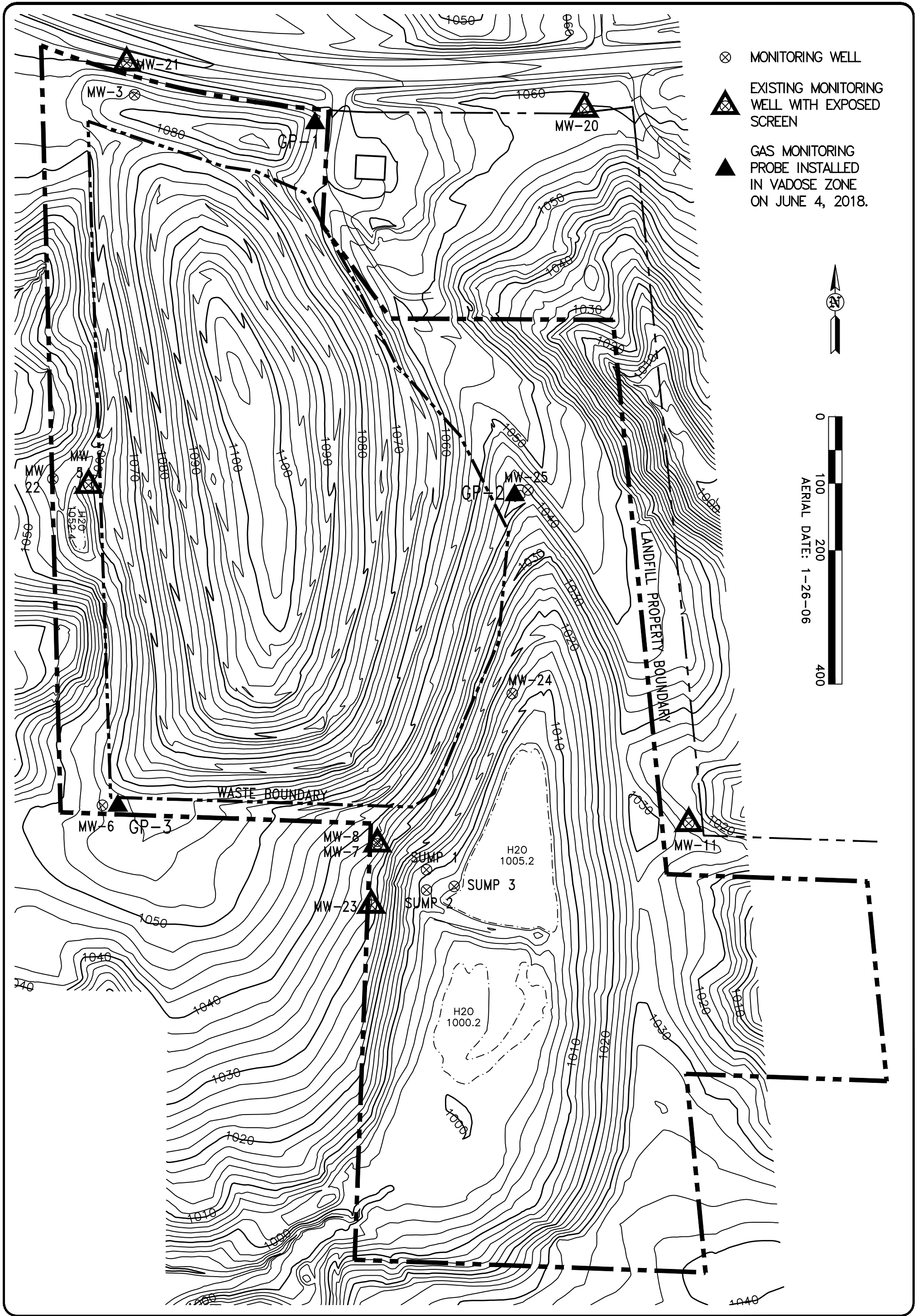
Explosive gas concentrations were below actionable levels during the monitoring episodes.

Section 6.0 Recommendations

Continue semi-annual detection and assessment monitoring in accordance with IAC 567, Chapter 113.10(5) and (6) as summarized on Table 2. Continue to evaluate the arsenic, cobalt, and nickel at MW-8 in 2026 as required by IDNR

Appropriately address findings at MW-8 upon completion of the September of 2027 sampling event and consider the feasibility of this site pursuing an Environmental Covenant prior to expiration of the Closure Permit on June 30, 2030.

Figures



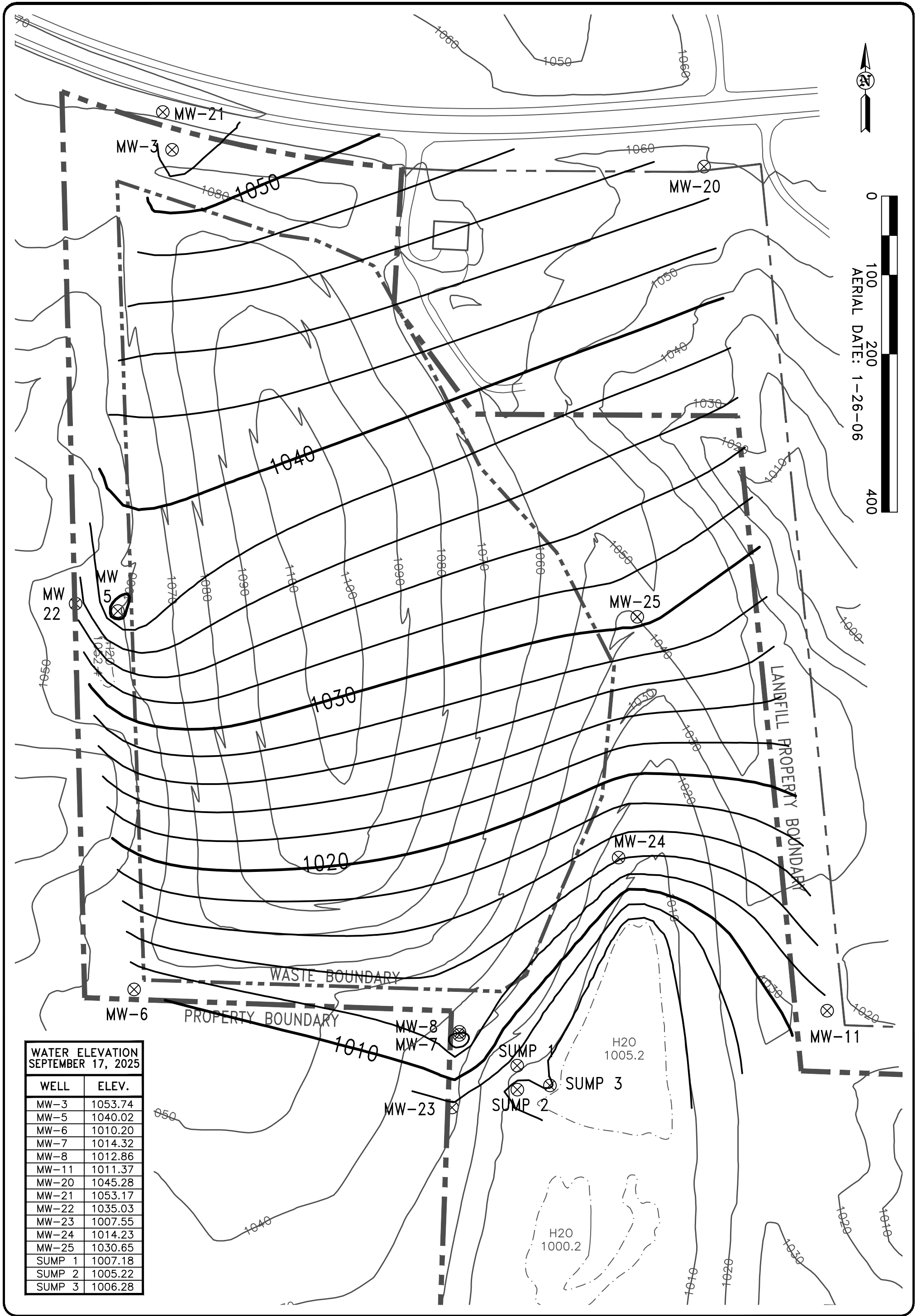
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SITE PLAN

DELAWARE COUNTY SANITARY LANDFILL
DELHI, IOWA

FIGURE: 1

REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6039	DATE 9-24-25



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GROUNDWATER CONTOURS

DELAWARE COUNTY SANITARY LANDFILL
DELHI, IOWA

FIGURE: 2

REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6039	DATE 9-24-25

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Table 1 – Monitoring Program Summary

Table 1
Monitoring Program Summary
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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 September 22, 2014		
										Detection	Assessment	Corrective Action
MW-11	Glacial Till	Background	NC	None	None	None	None	None	None	21	0	0
MW-20	Glacial Till	Background	NC	None	None	None	None	None	None	21	0	0
MW-5	Glacial Till	Assessment	NC	arsenic, barium, cobalt, nickel, zinc, 1,1-dichloroethane, benzene, 1,4-dichlorobenzene, chlorobenzene, chloroethane	barium, nickel, chlorobenzene	barium, nickel, zinc	None	None	None	0	23	0
MW-6	Glacial Till	Assessment	NC	arsenic, barium, zinc, bis(2-ethylhexyl)phthalate	barium	None	None	None	None	0	23	0
MW-7	Glacial Till	Assessment	NC	barium, cobalt, copper, nickel, zinc	barium, cobalt, zinc	barium	None	None	None	0	22	0
MW-8	Glacial Till	Assessment	NC	arsenic, barium, cadmium, cobalt, copper, nickel, zinc, 1,1-dichloroethane, bis (2-ethylhexyl)phthalate, chlorobenzene, chloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, dichlorofluoromethane	arsenic, barium, cobalt, nickel, cis-1,2-dichloroethene	arsenic, barium, cobalt, nickel	arsenic, cobalt, nickel	arsenic, cobalt, nickel	arsenic, cobalt, nickel	0	23	0
MW-21	Glacial Till	AZPOC to MW-3	NC	barium, zinc, 1,1-dichloroethane, dichloroffluoromethane	zinc, 1,1-dichloroethane	zinc, 1,1-dichloroethane	None	None	None	0	15	0
MW-23	Glacial Till	Assessment	NC	chromium, nickel, bis (2-ethylhexyl)phthalate, tetrachloroethene	nickel, cis-1,2-dichloroethene	nickel	None	None	None	0	23	0
MW-24	Glacial Till	Assessment	NC	arsenic, barium, zinc, cis-1,2-dichloroethene, trans-1,2-dichloroethene	arsenic, barium, cis-1,2-dichloroethene	barium	None	None	None	0	20	0
MW-25	Glacial Till	Assessment	NC	barium, 1,1-dichloropropene, bis(2-ethylhexyl)phthalate	barium	barium	None	None	None	0	20	0

Table 2 – Monitoring Program Implementation Schedule

Table 2
Monitoring Program Implementation Schedule
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

Monitoring Well	Recent Sampling Dates and Constituents	Upcoming Sampling Dates and Constituents		Full Appendix II Sample Dates	
		March, 2026	September, 2026	Previously Collected	Next Event
MW-11		Appendix I	Appendix I		N/A
MW-20		Appendix I	Appendix I		N/A
MW-5		Appendix I	Appendix I	3/20/2009, 4/3/2013, 4/11/2014, 3/27/2019, 3/1/2024	3/2029
MW-6		Appendix I	Appendix I	3/14/2011, 2/25/2016, 3/6/2017, 3/4/2022	3/2027
MW-7	See following pages	Appendix I	Appendix I	3/20/2009, 3/2/2018, 3/21/2023	3/2028
MW-8		Appendix I	Appendix I	3/20/2009, 4/3/2013, 4/11/2014, 3/27/2019, 3/1/2024	3/2029
MW-21		Appendix I	Appendix I	3/20/2009, 9/11/2013, 4/11/2014, 3/1/2024	3/2029
MW-23		Appendix I	Appendix I	3/20/2009, 4/3/2013, 4/11/2014, 3/27/2019, 3/1/2024	3/2029
MW-24		Appendix I	Appendix I	6/15/2017, 3/2/2018, 3/21/2023	3/2028
MW-25		Appendix I	Appendix II	9/1/2020, 9/10/21	9/2026

Table 2A – Summary of Testing to Date

TABLE 2A - Sampling to Date

Table B.1 -- Itemized Summary of Hydrologic Monitoring (to date)

WELL	3/2009	3/2011	9/4/12	4/3/13	9/11/13
MW-11(b)	---	---	---	---	---
MW-20(b)	Appendix II	---	Dry	Appendix I	Appendix I
MW-3	Appendix II	---	Appendix I	Appendix II	Appendix I ^(2,3)
MW-5	Appendix II	---	Appendix I	Appendix II	Appendix I
MW-6	---	Appendix II	Appendix I	Appendix I	Appendix I ⁽¹⁾
MW-7	---	Appendix II	Appendix I	Appendix I	Appendix I
MW-8	Appendix II	---	Appendix I	Appendix II	Appendix I ⁽²⁾
MW-21	Appendix II	---	Appendix I	frozen	Appendix II
MW-22	Appendix II	---	Appendix I	Appendix II	Appendix I
MW-23	Appendix II	---	Appendix I	Appendix II	Appendix I
SW-1	---	---	Dry	Dry	Dry
SW-2	---	---	Dry	Appendix I	Appendix I

WELL	4/11/14	7/14/14	9/22/14	4/21/15	9/8/15
MW-11(b)	---	Appendix I	Appendix I	Appendix I	Appendix I
MW-20(b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-3	Appendix II	---	Appendix I ^(2,3,4)	Appendix I ^(2,3,4)	Appendix I ^(2,3,4)
MW-5	Appendix II	---	Appendix I	Appendix I	Appendix I
MW-6	Appendix I	---	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾
MW-7	Appendix I	---	Appendix I	Appendix I	Appendix I
MW-8	Appendix II	---	Appendix I ⁽²⁾	Appendix I ^(2,5)	Appendix I ^(2,5)
MW-21	Appendix II	---	Appendix I	Appendix I	Appendix I
MW-22	Appendix II	---	Appendix I	Appendix I	Appendix I
MW-23	Appendix II	---	Appendix I	Appendix I	Appendix I
SW-1	Dry	---	Dry	Dry	Dry
SW-2	Appendix I	---	Appendix I	Dry	Dry
Duplicate	---	---	---	At MW-21	At MW-8

WELL	2/25/16	9/6/16	10/12/16	1/11/2017	3/6/17
MW-11(b)	Appendix I	Appendix I	---	---	Appendix I
MW-20(b)	Appendix I	Appendix I	---	---	Appendix I
MW-3	Appendix I ^(2,3,4)	Appendix I ^(2,3,4)	---	---	Appendix I ^(2,3,4)
MW-5	Appendix I	Appendix I	---	---	Appendix I
MW-6	Appendix II	Appendix I ⁽¹⁾	---	---	Appendix II
MW-7	Appendix I	Appendix I	---	---	Appendix I
MW-8	Appendix I ^(2,5)	Appendix I ^(2,5)	---	---	Appendix I ^(2,5)
MW-21	Appendix I ⁽²⁾	Appendix I ⁽²⁾	---	---	Appendix I ⁽²⁾
MW-22	Appendix I	Appendix I	---	---	Appendix I
MW-23	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	---	---	Appendix I ⁽¹⁾
MW-24	---	---	Appendix I	Frozen at ground	Appendix I
MW-25	---	---	Appendix I	---	Appendix I
Duplicate	At MW-20	At MW-6	---	---	

WELL	6/15/17	9/5/17	12/5/17	3/2/2018	4/10/2018
MW-11(b)	---	Appendix I	---	Appendix I	
MW-20(b)	---	Appendix I	---	Appendix I	
MW-3	---	Appendix I ^(2,3,4)	---	Appendix I ^(2,3,4)	
MW-5	---	Appendix I	---	Appendix I	
MW-6	---	Appendix I ^(1,3)	---	Appendix I ^(1,3)	
MW-7	---	Appendix I	R-Ba, Co	Appendix II	R-Co
MW-8	---	Appendix I ^(2,5)	---	Appendix I ^(2,5)	
MW-21	---	Appendix I ⁽²⁾	---	Appendix I ⁽²⁾	15 metals
MW-22	---	Appendix I	---	Appendix I	
MW-23	---	Appendix I ⁽¹⁾	---	Appendix I ⁽¹⁾	
MW-24	Appendix II	Appendix I	---	Appendix II	
MW-25	---	Appendix I	---	Appendix I	R-Zn
Duplicate	---	At MW-11	---	At MW-20	

WELL	9/4/2018	3/27/2019	9/7/2019	3/30/2020	6/2/2020
MW-11(b)	Appendix I	Appendix I	Appendix I	Appendix I	
MW-20(b)	Appendix I	Appendix I	Appendix I	Appendix I	
MW-3	Appendix I	Appendix II	Appendix I	Appendix I	
MW-5	Appendix I	Appendix II	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-8	Appendix I	Appendix II	Appendix I	Appendix I	
MW-21	---	Cobalt	---	---	
MW-23	Appendix I	Appendix II	Appendix I	Appendix I	
MW-24	Appendix I	Appendix I	Appendix I	Appendix I	
MW-25	Appendix I	Appendix I	Appendix I	Appendix I	R-Ba
Duplicate	At MW-25	At MW-24	At MW-24	At MW-23	

WELL	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022
MW-11(b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-20(b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-3	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-5	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-6	Appendix I	Appendix I	Appendix I	Appendix II	Appendix I
MW-7	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-8	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-21	---	Cobalt	Cobalt	Cobalt	Cobalt
MW-23	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-24	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-25	Appendix II	Appendix I	Appendix II	Appendix I ^(1,6)	Appendix I ^(1,6)
Duplicate	At MW-25	At MW-5	At MW-21	At MW-6	At MW-25

WELL	3/21/2023	9/26/2023	3/1/2024	4/8/2024	6/13/2024	9/11/2024
MW-11(b)	Appendix I	Appendix I	Dry			Appendix I
MW-20(b)	Appendix I	Appendix I	Appendix I	PCE		Appendix I
MW-3	Appendix I	---				Appendix I
MW-5	Appendix I	Appendix I	Appendix II			Appendix I ⁽¹⁾
MW-6	Appendix I	Appendix I	Appendix I			Appendix I
MW-7	Appendix II	Appendix I	Appendix I			Appendix I
MW-8	Appendix I	Appendix I	Appendix II		As Co Ni	Appendix I ⁽¹⁾
MW-21	---	Appendix I	Appendix II			Appendix I ⁽²⁾
MW-23	Appendix I	Appendix I	Appendix II			Appendix I
MW-24	Appendix II	Appendix I	Appendix I			Appendix I
MW-25	Appendix I ^(1,6)	Appendix I	Appendix I			Appendix I
Duplicate	At MW-24	At MW-21	At MW-25			At MW-24

WELL	3/17/2025	7/14/2025	9/17/2025			
MW-11(b)	Appendix I		Appendix I			
MW-20(b)	Appendix I		Appendix I			
MW-3	Appendix I		Appendix I			
MW-5	Appendix I		Appendix I			
MW-6	Appendix I		Appendix I			
MW-7	Appendix I		Appendix I			
MW-8	Appendix I ⁽⁷⁾	As Co Ni	Appendix I ⁽⁷⁾			
MW-21	Appendix I		Appendix I			
MW-23	Appendix I		Appendix I			
MW-24	Appendix I		Appendix I			
MW-25	Appendix I		Appendix I			
Duplicate	At MW-24		At MW-25			

(1) = bis(2ethylhexyl) phthalate

(2) = dichlorofluoromethane

(3) = cyanide

(4) = phorate

(5) = dinoseb

(6) = 1,1-dichloropropene

(7) methane, ethane, ethene

(b) background well

(R) Resample

Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule

Table 3
Monitoring Well Maintenance and Performance Revaluation Schedule
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

Compliance with:	Monitoring Calendar Years									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
567 IAC 113.10(2)"f"(1) high and low water levels (biennial)	X		X		X		X		X	
567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths (historic = 1 per 5 years; current = (biennial)		X		X		X		X		X
567 IAC 113.10(2)"f"(3) well depths (annual)	X	X	X	X	X	X	X	X	X	X
567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial)	X					X		X		X
Waste separation from ground water 113.6(2)"l"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Compliance with:	Monitoring Calendar Years									
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	
567 IAC 113.10(2)"f"(3) well depths (annual)	X	X	X	X	X	X	X	X	X	X
567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial)	X		X		X		X		X	
Waste separation from ground water 113.6(2)"l"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Compliance with:	Monitoring Calendar Years									
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
567 IAC 113.10(2)"f"(1) high and low water levels (biennial)	X	X	P	P	P	P	P	P	P	P
567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths (historic = 1 per 5 years; current = (biennial)	X		P		P		P		P	
567 IAC 113.10(2)"f"(3) well depths (annual)	X	X	P	P	P	P	P	P	P	P
567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial)	X		P		P		P		P	
Waste separation from ground water 113.6(2)"l"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

Well	Top of casing	Top of Screen	Total Depth		Date of Measurements		Maximum Depth Discrepancy (ft)	Hydraulic Cond. (cm/sec)/date	Most Recent Recharge Rate	
					3/17/2025	9/17/2025			3/1/2024	Change
MW-11	1027.98	1013.36	24.62	Groundwater Level (ft)	17.37	16.61	0.22	0.00000192 February, 1992	Too Dry	None perceived
				Groundwater Elevation (Ft MSL)	1010.61	1011.37				
				Measured Well Depth (ft)	24.4	24.4				
				Submerged (+) or Exposed screen (-)	-2.75	-1.99				
MW-20	1061.6	1051.63	20.4	Groundwater Level (ft)	14.35	16.32	0	0.000008 1997	Full recovery in 5 hour	None perceived
				Groundwater Elevation (Ft MSL)	1047.25	1045.28				
				Measured Well Depth (ft)	20.4	20.4				
				Submerged (+) or Exposed screen (-)	-4.38	-6.35				
MW-5	1061.68	1042.93	28.75	Groundwater Level (ft)	17.06	21.66	0.65	0.0000006 1997	Full recovery in 24 hour	None perceived
				Groundwater Elevation (Ft MSL)	1044.62	1040.02				
				Measured Well Depth (ft)	28.1	28.1				
				Submerged (+) or Exposed screen (-)	1.69	-2.91				
MW-6	1056.92	986.52	82.8	Groundwater Level (ft)	47.2	46.72	0	0.000000434 February, 1992	Full recovery in 8 hour	None perceived
				Groundwater Elevation (Ft MSL)	1009.72	1010.2				
				Measured Well Depth (ft)	82.8	82.8				
				Submerged (+) or Exposed screen (-)	23.2	23.68				
MW-7	1038.92	1001.5	47.42	Groundwater Level (ft)	25.2	24.6	0.42	0.00000647 February, 1992	Full recovery in 2 hour	None perceived
				Groundwater Elevation (Ft MSL)	1013.72	1014.32				
				Measured Well Depth (ft)	47	47				
				Submerged (+) or Exposed screen (-)	12.22	12.82				
MW-8	1038.59	1018.31	30.28	Groundwater Level (ft)	25.18	25.73	0.73	0.0000038 February, 1992	Full recovery in 8 hour	None perceived
				Groundwater Elevation (Ft MSL)	1013.41	1012.86				
				Measured Well Depth (ft)	29.55	29.55				
				Submerged (+) or Exposed screen (-)	-4.9	-5.45				
MW-23	1034.34	1012.8	33.3	Groundwater Level (ft)	24	26.79	0	0.000002 1997	Full recovery in 4 hour	None perceived
				Groundwater Elevation (Ft MSL)	1010.34	1007.55				
				Measured Well Depth (ft)	33.3	33.3				
				Submerged (+) or Exposed screen (-)	-2.46	-5.25				
MW-24	1017.06	1005.96	21.15	Groundwater Level (ft)	2.29	2.83	0	0.0000332 2017	Full recovery in 6 hour	None perceived
				Groundwater Elevation (Ft MSL)	1014.77	1014.23				
				Measured Well Depth (ft)	21.15	21.15				
				Submerged (+) or Exposed screen (-)	8.81	8.27				
MW-25	1043.91	1015.31	38.6	Groundwater Level (ft)	15.79	13.26	0.15	0.00000973 2017	Full recovery in 24 hour	None perceived
				Groundwater Elevation (Ft MSL)	1028.12	1030.65				
				Measured Well Depth (ft)	38.45	38.45				
				Submerged (+) or Exposed screen (-)	12.81	15.34				

Groundwater Underdrain Piezometer

Well	Date of Measurements		
	Not Applicable		

Table 4A – Summary of Water Elevation Data over Time

Water Elevation Data
Delaware County Sanitary Landfill
28-SDP-1-74C

Well/TOC	MW-31081.04				MW-51061.68				MW-61056.92				MW-71038.92			
	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS
09/22/14	28.06	1052.98	1049.54	3.44	21.98	1039.70	1042.93	-3.23	46.32	1010.60	986.52	24.08	23.55	1015.37	1001.50	13.87
04/21/15	28.40	1052.64	1049.54	3.10	20.75	1040.93	1042.93	-2.00	47.95	1008.97	986.52	22.45	25.20	1013.72	1001.50	12.22
06/09/15	27.80	1053.24	1049.54	3.70	20.16	1041.52	1042.93	-1.41	48.25	1008.67	986.52	22.15	26.13	1012.79	1001.50	11.29
09/08/15	28.40	1052.64	1049.54	3.10	23.21	1038.47	1042.93	-4.46	47.56	1009.36	986.52	22.84	25.57	1013.35	1001.50	11.85
12/30/15	22.35	1058.69	1049.54	9.15	17.20	1044.48	1042.93	1.55	46.28	1010.64	986.52	24.12	21.95	1016.97	1001.50	15.47
02/25/16	21.90	1059.14	1049.54	9.60	15.70	1045.98	1042.93	3.05	45.53	1011.39	986.52	24.87	20.60	1018.32	1001.50	16.82
06/14/16	27.48	1053.56	1049.54	4.02	22.88	1038.80	1042.93	-4.13	45.57	1011.35	986.52	24.83	21.90	1017.02	1001.50	15.52
09/06/16	29.42	1051.62	1049.54	2.08	23.79	1037.89	1042.93	-5.04	47.40	1009.52	986.52	23.00	24.20	1014.72	1001.50	13.22
10/12/16	NT	NT			NT	NT			NT	NT			NT	NT		
12/19/16	27.80	1053.24	1049.54	3.70	22.70	1038.98	1042.93	-3.95	46.90	1010.02	986.52	23.50	24.30	1014.62	1001.50	13.12
03/06/17	26.85	1054.19	1049.54	4.65	18.50	1043.18	1042.93	0.25	46.93	1009.99	986.52	23.47	23.80	1015.12	1001.50	13.62
06/15/17	27.33	1053.71	1049.54	4.17	22.22	1039.46	1042.93	-3.47	46.45	1010.47	986.52	23.95	23.31	1015.61	1001.50	14.11
09/05/17	28.74	1052.30	1049.54	2.76	23.02	1038.66	1042.93	-4.27	47.02	1009.90	986.52	23.38	28.65	1010.27	1001.50	8.77
12/05/17	27.75	1053.29	1049.54	3.75	22.11	1039.57	1042.93	-3.36	46.50	1010.42	986.52	23.90	24.08	1014.84	1001.50	13.34
03/02/18	29.00	1052.04	1049.54	2.50	16.30	1045.38	1042.93	2.45	47.40	1009.52	986.52	23.00	25.06	1013.86	1001.50	12.36
09/04/18	18.56	1062.48	1049.54	12.94	9.88	1051.80	1042.93	8.87	44.75	1012.17	986.52	25.65	16.98	1021.94	1001.50	20.44
03/27/19	18.45	1062.59	1049.54	13.05	15.63	1046.05	1042.93	3.12	45.47	1011.45	986.52	24.93	20.20	1018.72	1001.50	17.22
09/07/19	28.46	1052.58	1049.54	3.04	22.99	1038.69	1042.93	-4.24	46.15	1010.77	986.52	24.25	23.10	1015.82	1001.50	14.32
03/30/20	22.36	1058.68	1049.54	9.14	15.21	1046.47	1042.93	3.54	45.48	1011.44	986.52	24.92	19.21	1019.71	1001.50	18.21
09/01/20	29.27	1051.77	1049.54	2.23	23.00	1038.68	1042.93	-4.25	46.73	1010.19	986.52	23.67	24.03	1014.89	1001.50	13.39
03/03/21	27.73	1053.31	1049.54	3.77	17.77	1043.91	1042.93	0.98	46.67	1010.25	986.52	23.73	21.92	1017.00	1001.50	15.50
09/10/21	27.20	1053.84	1049.54	4.30	19.63	1042.05	1042.93	-0.88	46.61	1010.31	986.52	23.79	24.29	1014.63	1001.50	13.13
03/04/22	29.50	1051.54	1049.54	2.00	16.64	1045.04	1042.93	2.11	47.85	1009.07	986.52	22.55	25.11	1013.81	1001.50	12.31
09/02/22	28.97	1052.07	1049.54	2.53	21.73	1039.95	1042.93	-2.98	46.59	1010.33	986.52	23.81	24.31	1014.61	1001.50	13.11
03/21/23	24.82	1056.22	1049.54	6.68	15.73	1045.95	1042.93	3.02	47.42	1009.50	986.52	22.98	23.24	1015.68	1001.50	14.18
09/26/23	31.10	1049.94	1049.54	0.40	25.40	1036.28	1042.93	-6.65	48.47	1008.45	986.52	21.93	27.75	1011.17	1001.50	9.67
03/01/24	29.66	1051.38	1049.54	1.84	21.40	1040.28	1042.93	-2.65	49.61	1007.31	986.52	20.79	27.42	1011.50	1001.50	10.00
04/08/24																
06/13/24																
09/11/24	27.22	1053.82	1049.54	4.28	22.53	1039.15	1042.93	-3.78	47.15	1009.77	986.52	23.25	25.52	1013.40	1001.50	11.90
03/17/25	27.35	1053.69	1049.54	4.15	17.06	1044.62	1042.93	1.69	47.20	1009.72	986.52	23.20	25.20	1013.72	1001.50	12.22
07/14/25																
09/17/25	27.30	1053.74	1049.54	4.20	21.66	1040.02	1042.93	-2.91	46.72	1010.20	986.52	23.68	24.60	1014.32	1001.50	12.82
minimum	18.45	1049.94		0.40	9.88	1036.28		-6.65	44.75	1007.31		20.79	16.98	1010.27		8.77
maximum	31.10	1062.59		13.05	25.40	1051.80		8.87	49.61	1012.17		25.65	28.65	1021.94		20.44
average				4.68				-1.08				23.56				13.73

Exposed Screens

Submerged Screens

Water Elevation Data
Delaware County Sanitary Landfill
28-SDP-1-74C

Well/TOC	MW-8 1038.59				MW-11 1027.98				MW-20 1061.6				MW-21 1068.34			
	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS
09/22/14	23.33	1015.26	1018.31	-3.05					17.50	1044.10	1051.63	-7.53	15.80	1052.54	1056.70	-4.16
04/21/15	24.00	1014.59	1018.31	-3.72	19.60	1008.38	1013.36	-4.98	16.30	1045.30	1051.63	-6.33	15.70	1052.64	1056.70	-4.06
06/09/15	24.70	1013.89	1018.31	-4.42	18.90	1009.08	1013.36	-4.28	15.93	1045.67	1051.63	-5.96	15.30	1053.04	1056.70	-3.66
09/08/15	24.66	1013.93	1018.31	-4.38	19.33	1008.65	1013.36	-4.71	17.91	1043.69	1051.63	-7.94	16.18	1052.16	1056.70	-4.54
12/30/15	20.47	1018.12	1018.31	-0.19	11.96	1016.02	1013.36	2.66	10.90	1050.70	1051.63	-0.93	10.60	1057.74	1056.70	1.04
02/25/16	20.21	1018.38	1018.31	0.07	13.58	1014.40	1013.36	1.04	11.25	1050.35	1051.63	-1.28	9.15	1059.19	1056.70	2.49
06/14/16	21.91	1016.68	1018.31	-1.63	16.58	1011.40	1013.36	-1.96	17.34	1044.26	1051.63	-7.37	15.30	1053.04	1056.70	-3.66
09/06/16	23.93	1014.66	1018.31	-3.65	20.20	1007.78	1013.36	-5.58	18.51	1043.09	1051.63	-8.54	17.31	1051.03	1056.70	-5.67
10/12/16	NT	NT			NT	NT			NT	NT			NT	NT		
12/19/16	23.50	1015.09	1018.31	-3.22	11.70	1016.28	1013.36	2.92	17.27	1044.33	1051.63	-7.30	9.50	1058.84	1056.70	2.14
03/06/17	22.60	1015.99	1018.31	-2.32	16.67	1011.31	1013.36	-2.05	15.75	1045.85	1051.63	-5.78	14.37	1053.97	1056.70	-2.73
06/15/17	22.52	1016.07	1018.31	-2.24	15.55	1012.43	1013.36	-0.93	16.66	1044.94	1051.63	-6.69	15.17	1053.17	1056.70	-3.53
09/05/17	23.85	1014.74	1018.31	-3.57	19.00	1008.98	1013.36	-4.38	18.13	1043.47	1051.63	-8.16	16.60	1051.74	1056.70	-4.96
12/05/17	22.92	1015.67	1018.31	-2.64	18.85	1009.13	1013.36	-4.23	17.15	1044.45	1051.63	-7.18	15.28	1053.06	1056.70	-3.64
03/02/18	24.05	1014.54	1018.31	-3.77	19.61	1008.37	1013.36	-4.99	14.95	1046.65	1051.63	-4.98	16.40	1051.94	1056.70	-4.76
09/04/18	14.10	1024.49	1018.31	6.18	6.35	1021.63	1013.36	8.27	4.25	1057.35	1051.63	5.72	5.13	1063.21	1056.70	6.51
03/27/19	19.39	1019.20	1018.31	0.89	13.45	1014.53	1013.36	1.17	11.15	1050.45	1051.63	-1.18	5.97	1062.37	1056.70	5.67
09/07/19	22.86	1015.73	1018.31	-2.58	20.08	1007.90	1013.36	-5.46	18.12	1043.48	1051.63	-8.15	16.23	1052.11	1056.70	-4.59
03/30/20	19.05	1019.54	1018.31	1.23	11.46	1016.52	1013.36	3.16	12.25	1049.35	1051.63	-2.28	9.71	1058.63	1056.70	1.93
09/01/20	23.61	1014.98	1018.31	-3.33	20.03	1007.95	1013.36	-5.41	18.50	1043.10	1051.63	-8.53				
03/03/21	22.85	1015.74	1018.31	-2.57	16.35	1011.63	1013.36	-1.73	13.25	1048.35	1051.63	-3.28	15.05	1053.29	1056.70	-3.41
09/10/21	23.86	1014.73	1018.31	-3.58	20.01	1007.97	1013.36	-5.39	15.60	1046.00	1051.63	-5.63	14.75	1053.59	1056.70	-3.11
03/04/22	24.90	1013.69	1018.31	-4.62	19.49	1008.49	1013.36	-4.87	16.71	1044.89	1051.63	-6.74	17.08	1051.26	1056.70	-5.44
09/02/22	24.81	1013.78	1018.31	-4.53	19.78	1008.20	1013.36	-5.16	18.00	1043.60	1051.63	-8.03	16.91	1051.43	1056.70	-5.27
03/21/23	23.20	1015.39	1018.31	-2.92	14.43	1013.55	1013.36	0.19	10.41	1051.19	1051.63	-0.44	11.95	1056.39	1056.70	-0.31
09/26/23	28.35	1010.24	1018.31	-8.07	21.29	1006.69	1013.36	-6.67	19.57	1042.03	1051.63	-9.60	20.30	1048.04	1056.70	-8.66
03/01/24	26.20	1012.39	1018.31	-5.92	23.35	1004.63	1013.36	-8.73	18.05	1043.55	1051.63	-8.08	17.40	1050.94	1056.70	-5.76
04/08/24									12.32	1049.28	1051.63	-2.35				
06/13/24	24.21	1014.38	1018.31	-3.93												
09/11/24	24.61	1013.98	1018.31	-4.33	18.42	1009.56	1013.36	-3.80	15.79	1045.81	1051.63	-5.82	15.20	1053.14	1056.70	-3.56
03/17/25	25.18	1013.41	1018.31	-4.90	17.37	1010.61	1013.36	-2.75	14.35	1047.25	1051.63	-4.38	14.64	1053.70	1056.70	-3.00
07/14/25	25.70	1012.89	1018.31	-5.42												
09/17/25	25.73	1012.86	1018.31	-5.45	16.61	1011.37	1013.36	-1.99	16.32	1045.28	1051.63	-6.35	15.17	1053.17	1056.70	-3.53
minimum	14.10	1010.24		-8.07	6.35	1004.63		-8.73	4.25	1042.03		-9.60	5.13	1048.04		-8.66
maximum	28.35	1024.49		6.18	23.35	1021.63		8.27	19.57	1057.35		5.72	20.30	1063.21		6.51
average				-2.68				-2.48				-5.35				-2.49

Water Elevation Data
Delaware County Sanitary Landfill
28-SDP-1-74C

Well/TOC	MW-22 1058.72				MW-23 1034.34				MW-24 1017.06				MW-25 1043.91			
Date	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS
09/22/14	24.34	1034.38	1032.30	2.08	22.75	1011.59	1012.80	-1.21								
04/21/15	23.15	1035.57	1032.30	3.27	22.00	1012.34	1012.80	-0.46								
06/09/15	21.30	1037.42	1032.30	5.12	24.05	1010.29	1012.80	-2.51								
09/08/15	25.30	1033.42	1032.30	1.12	24.91	1009.43	1012.80	-3.37								
12/30/15	17.11	1041.61	1032.30	9.31	19.10	1015.24	1012.80	2.44								
02/25/16	21.61	1037.11	1032.30	4.81	17.11	1017.23	1012.80	4.43								
06/14/16	25.10	1033.62	1032.30	1.32	20.30	1014.04	1012.80	1.24								
09/06/16	26.60	1032.12	1032.30	-0.18	24.03	1010.31	1012.80	-2.49								
10/12/16	NT	NT			NT	NT			2.20	1014.86	1005.96	8.90	13.08	1030.83	1015.31	15.52
12/19/16	25.00	1033.72	1032.30	1.42	21.65	1012.69	1012.80	-0.11	2.40	1014.66	1005.96	8.70				
03/06/17	20.85	1037.87	1032.30	5.57	20.20	1014.14	1012.80	1.34	1.40	1015.66	1005.96	9.70	15.60	1028.31	1015.31	13.00
06/15/17	23.49	1035.23	1032.30	2.93	22.58	1011.76	1012.80	-1.04	1.99	1015.07	1005.96	9.11	12.64	1031.27	1015.31	15.96
09/05/17	25.15	1033.57	1032.30	1.27	28.80	1005.54	1012.80	-7.26	2.45	1014.61	1005.96	8.65	14.33	1029.58	1015.31	14.27
12/05/17	24.24	1034.48	1032.30	2.18	21.81	1012.53	1012.80	-0.27	2.03	1015.03	1005.96	9.07	14.70	1029.21	1015.31	13.90
03/02/18	22.45	1036.27	1032.30	3.97	22.18	1012.16	1012.80	-0.64	2.70	1014.36	1005.96	8.40	16.96	1026.95	1015.31	11.64
09/04/18	19.12	1039.60	1032.30	7.30	10.08	1024.26	1012.80	11.46	0.80	1016.26	1005.96	10.30	8.79	1035.12	1015.31	19.81
03/27/19	18.72	1040.00	1032.30	7.70	15.44	1018.90	1012.80	6.10	0.30	1016.76	1005.96	10.80	11.35	1032.56	1015.31	17.25
09/07/19	25.64	1033.08	1032.30	0.78	22.31	1012.03	1012.80	-0.77	2.25	1014.81	1005.96	8.85	13.63	1030.28	1015.31	14.97
03/30/20	16.86	1041.86	1032.30	9.56	15.12	1019.22	1012.80	6.42	0.10	1016.96	1005.96	11.00	9.39	1034.52	1015.31	19.21
09/01/20	24.84	1033.88	1032.30	1.58	25.02	1009.32	1012.80	-3.48	3.38	1013.68	1005.96	7.72	14.79	1029.12	1015.31	13.81
03/03/21	24.85	1033.87	1032.30	1.57	20.47	1013.87	1012.80	1.07	1.08	1015.98	1005.96	10.02	15.11	1028.80	1015.31	13.49
09/10/21	21.98	1036.74	1032.30	4.44	24.27	1010.07	1012.80	-2.73	2.82	1014.24	1005.96	8.28	14.29	1029.62	1015.31	14.31
03/04/22	24.80	1033.92	1032.30	1.62	22.90	1011.44	1012.80	-1.36	2.70	1014.36	1005.96	8.40	17.08	1026.83	1015.31	11.52
09/02/22	25.14	1033.58	1032.30	1.28	26.09	1008.25	1012.80	-4.55	3.38	1013.68	1005.96	7.72	15.26	1028.65	1015.31	13.34
03/21/23	18.94	1039.78	1032.30	7.48	21.95	1012.39	1012.80	-0.41	1.20	1015.86	1005.96	9.90	14.82	1029.09	1015.31	13.78
09/26/23	28.42	1030.30	1032.30	-2.00	29.44	1004.90	1012.80	-7.90	5.60	1011.46	1005.96	5.50	17.48	1026.43	1015.31	11.12
03/01/24	26.75	1031.97	1032.30	-0.33	25.63	1008.71	1012.80	-4.09	3.67	1013.39	1005.96	7.43	17.31	1026.60	1015.31	11.29
04/08/24																
06/13/24																
09/11/24	24.90	1033.82	1032.30	1.52	27.11	1007.23	1012.80	-5.57	3.53	1013.53	1005.96	7.57	14.19	1029.72	1015.31	14.41
03/17/25	21.42	1037.30	1032.30	5.00	24.00	1010.34	1012.80	-2.46	2.29	1014.77	1005.96	8.81	15.79	1028.12	1015.31	12.81
07/14/25																
09/17/25	23.69	1035.03	1032.30	2.73	26.79	1007.55	1012.80	-5.25	2.83	1014.23	1005.96	8.27	13.26	1030.65	1015.31	15.34
minimum	16.86	1030.30		-2.00	10.08	1004.90		-7.90	0.10	1011.46		5.50	8.79	1026.43		11.12
maximum	28.42	1041.86		9.56	29.44	1024.26		11.46	5.60	1016.96		11.00	17.48	1035.12		19.81
average				3.28				-0.39				8.87				14.34

Table 4B – Water Elevation MW-8

Well/TOC	MW-8 1038.59						
	Water Depth	TOC Elevation	Water Elevation	Bottom of Well Depth	Well Bottom (ft)	Bottom of Well Elevation	Ft above Bottom (ft)
09/22/14	23.33	1038.59	1015.26	29.55	0.00	1009.04	6.22
04/21/15	24.00	1038.59	1014.59	29.55	0.00	1009.04	5.55
06/09/15	24.70	1038.59	1013.89	29.55	0.00	1009.04	4.85
09/08/15	24.66	1038.59	1013.93	29.55	0.00	1009.04	4.89
12/30/15	20.47	1038.59	1018.12	29.55	0.00	1009.04	9.08
02/25/16	20.21	1038.59	1018.38	29.55	0.00	1009.04	9.34
06/14/16	21.91	1038.59	1016.68	29.55	0.00	1009.04	7.64
09/06/16	23.93	1038.59	1014.66	29.55	0.00	1009.04	5.62
12/19/16	23.50	1038.59	1015.09	29.55	0.00	1009.04	6.05
03/06/17	22.60	1038.59	1015.99	29.55	0.00	1009.04	6.95
06/15/17	22.52	1038.59	1016.07	29.55	0.00	1009.04	7.03
09/05/17	23.85	1038.59	1014.74	29.55	0.00	1009.04	5.70
12/05/17	22.92	1038.59	1015.67	29.55	0.00	1009.04	6.63
03/02/18	24.05	1038.59	1014.54	29.55	0.00	1009.04	5.50
09/04/18	24.10	1038.59	1014.49	29.55	0.00	1009.04	5.45
03/27/19	19.39	1038.59	1019.20	29.55	0.00	1009.04	10.16
09/07/19	22.86	1038.59	1015.73	29.55	0.00	1009.04	6.69
03/30/20	19.05	1038.59	1019.54	29.55	0.00	1009.04	10.50
09/01/20	23.61	1038.59	1014.98	29.55	0.00	1009.04	5.94
03/03/21	22.85	1038.59	1015.74	29.55	0.00	1009.04	6.70
09/10/21	23.86	1038.59	1014.73	29.55	0.00	1009.04	5.69
03/04/22	24.90	1038.59	1013.69	29.55	0.00	1009.04	4.65
09/02/22	24.81	1038.59	1013.78	29.55	0.00	1009.04	4.74
03/21/23	23.20	1038.59	1015.39	29.55	0.00	1009.04	6.35
09/26/23	28.35	1038.59	1010.24	29.55	0.00	1009.04	1.20
03/01/24	26.20	1038.59	1012.39	29.55	0.00	1009.04	3.35
06/13/24	24.21	1038.59	1014.38	29.55	0.00	1009.04	5.34
09/11/24	24.61	1038.59	1013.98	29.55	0.00	1009.04	4.94
03/17/25	25.18	1038.59	1013.41	29.55	0.00	1009.04	4.37
07/14/25	25.70	1038.59	1012.89	29.55	0.00	1009.04	3.85
09/17/25	25.73	1038.59	1012.86	29.55	0.00	1009.04	3.82
minimum	19.05		1010.24				1.20
maximum	28.35		1019.54				10.50
average							5.96

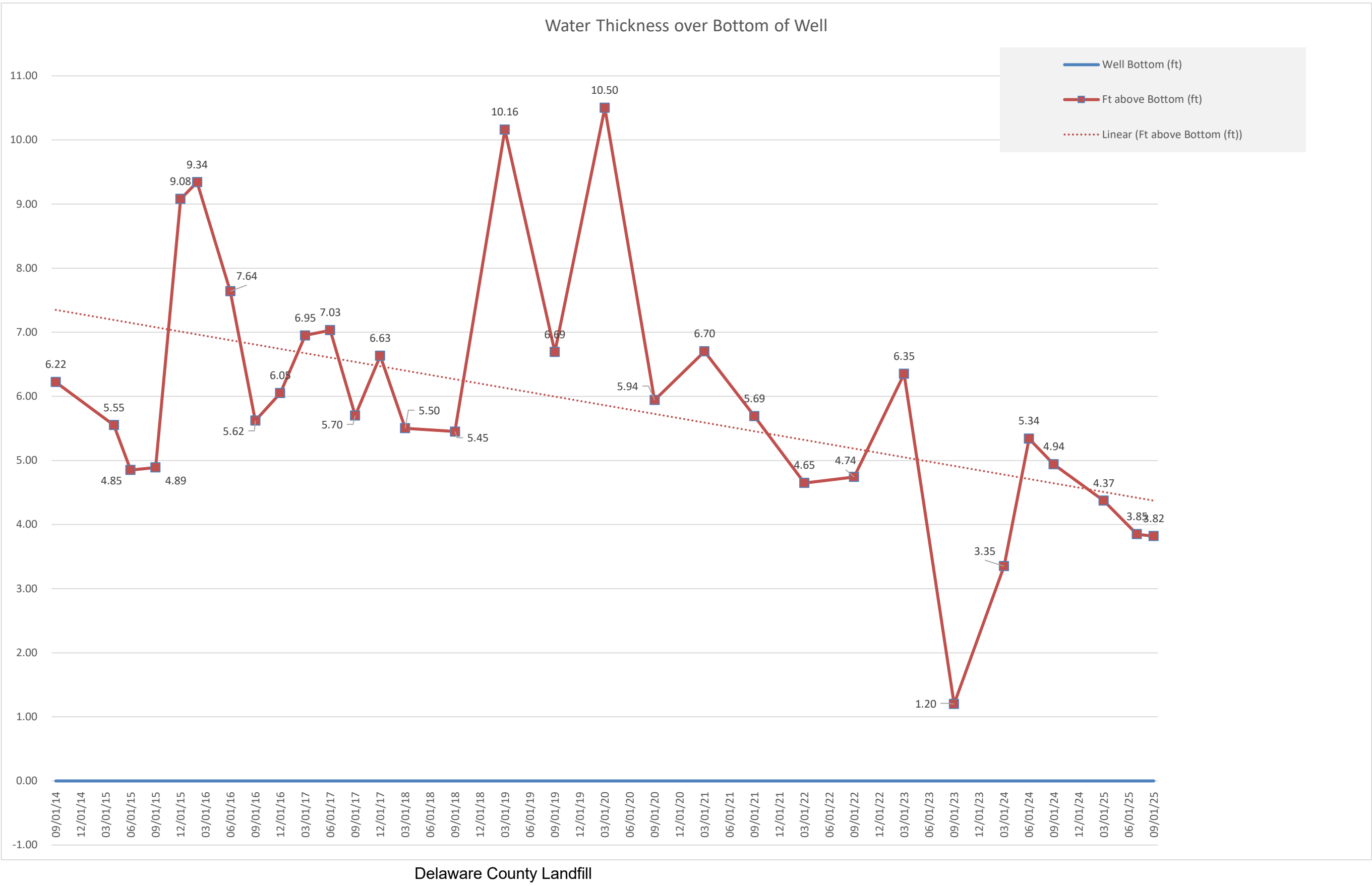
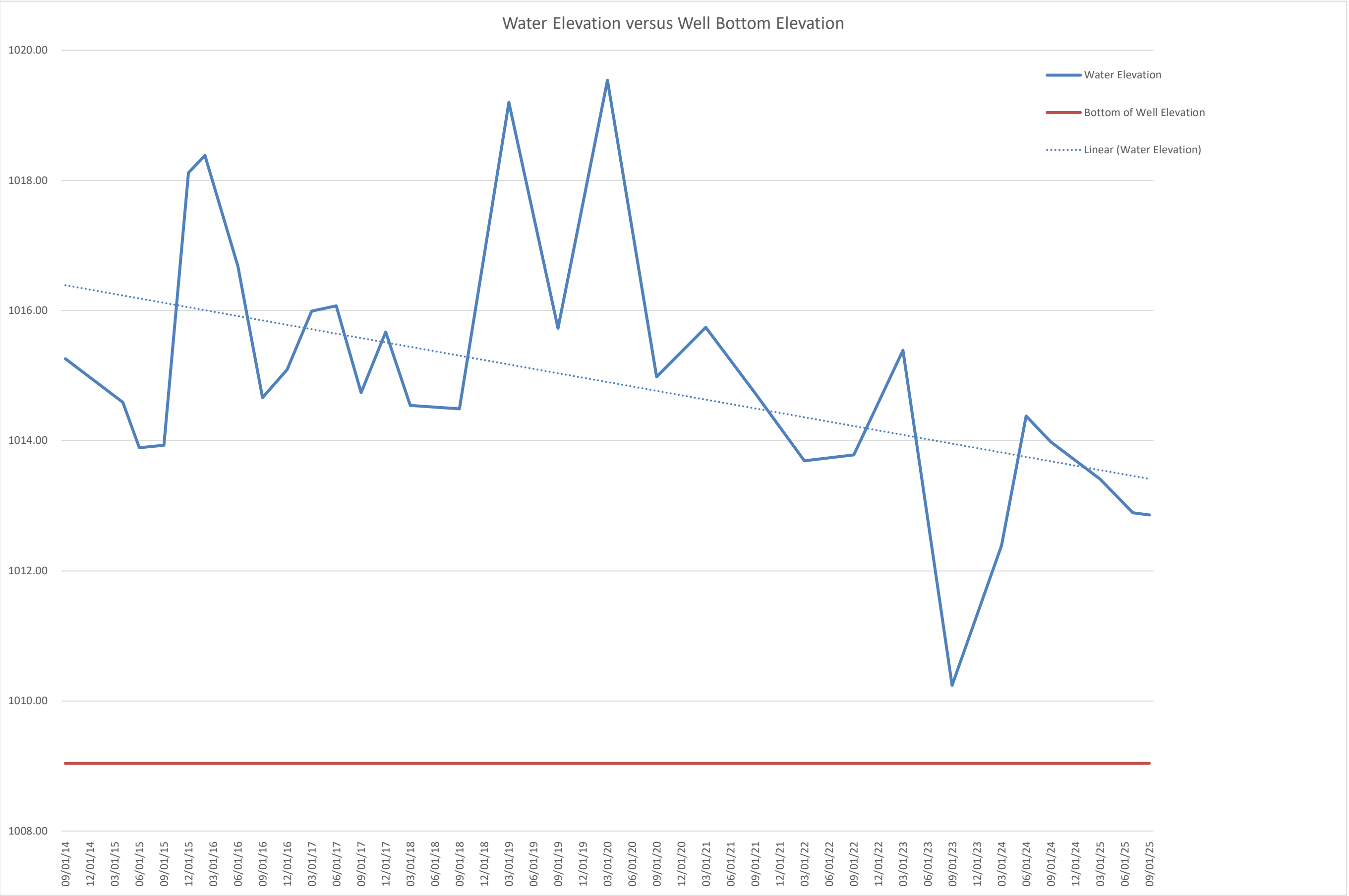


Table 5 – Background and GWPS Summary

Table 5
Background and GWPS Summary
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

Interwell Background Wells (MW-11 and MW-20)

Inorganics - Appendix I										
Constituent	Units	Model Type	Samples - N	Detections	Mean	SD	Prediction Limit	Confidence	GWPS	Source
Antimony (Sb)	µg/l	nonparametric	42	0			2.0000	0.99	6	SS
Arsenic (As)	µg/l	nonparametric	42	0			4.0000	0.99	10	SS
Barium (Ba)	µg/l	normal	42	42	128.0048	33.5688	210.2265		2000	SS
Beryllium (Be)	µg/l	nonparametric	40	0			4.0000	0.99	4	SS
Cadmium (Cd)	µg/l	nonparametric	40	2			2.1000	0.99	5	SS
Chromium (Cr)	µg/l	nonparametric	41	2			8.7000	0.99	100	SS
Cobalt (Co)	µg/l	nonparametric	42	7			2.2000	0.99	2.2	Site
Copper (Cu)	µg/l	nonparametric	42	2			5.3000	0.99	1300	SS
Lead (Pb)	µg/l	nonparametric	40	0			4.0000	0.99	15	SS
Nickel (Ni)	µg/l	nonparametric	41	14			10.5000	0.99	100	SS
Selenium (Se)	µg/l	nonparametric	42	3			5.2000	0.99	50	SS
Silver (Ag)	µg/l	nonparametric	42	0			4.0000	0.99	100	SS
Thallium (Tl)	µg/l	nonparametric	40	0			2.0000	0.99	2	SS
Vanadium (V)	µg/l	nonparametric	40	0			20.0000	0.99	35	SS
Zinc (Zn)	µg/l	nonparametric	42	6			20.0000	0.99	2000	SS
VOC - Appendix I										
Constituent	Units	Model Type	Samples - N	Detections	Mean	SD	Prediction Limit	Confidence	GWPS	Source
All	µg/l	DQR	42	0	<1	<1	<1	<1	various	SS

2.2000 = 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 Background Standard
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

2025

Interwell Statistics

Well	System	Constituent	Date	Units	Result	Prediction Limit	GWPS
MW-5	Till	barium	3/17/2025	ug/L	317.0	208.98	2000
MW-5	Till	barium	9/17/2025	ug/L	324.0	210.23	2000
MW-5	Till	nickel	3/17/2025	ug/L	10.6	10.5	100
MW-5	Till	nickel	9/17/2025	ug/L	13.2	10.5	100
MW-5	Till	zinc	9/17/2025	ug/L	22.0	20.0	2000
MW-5	Till	chlorobenzene	3/17/2025	ug/L	1.8	1.0	2800
MW-6	Till	barium	3/17/2025	ug/L	211.0	208.98	2000
MW-7	Till	barium	3/17/2025	ug/L	382.0	208.98	2000
MW-7	Till	barium	9/17/2025	ug/L	271.0	210.23	2000
MW-7	Till	cobalt	3/17/2025	ug/L	4.3	2.2	2.2*
MW-7	Till	zinc	3/17/2025	ug/L	26.4	20.0	2000
MW-8	Till	arsenic	3/17/2025	ug/L	16.0	4.0	10
MW-8	Till	arsenic	7/14/2025	ug/L	12.2	4.0	10
MW-8	Till	arsenic	9/17/2025	ug/L	13.8	4.0	10
MW-8	Till	barium	3/17/2025	ug/L	1020.0	208.98	2000
MW-8	Till	barium	9/17/2025	ug/L	1040.0	210.23	2000
MW-8	Till	cobalt	3/17/2025	ug/L	9.3	2.2	2.2*
MW-8	Till	cobalt	9/17/2025	ug/L	8.0	2.2	2.2*
MW-8	Till	nickel	3/17/2025	ug/L	134.0	10.5	100
MW-8	Till	nickel	7/14/2025	ug/L	160.0	10.5	100
MW-8	Till	nickel	9/17/2025	ug/L	133.0	10.5	100
MW-8	Till	cis-1,2-dichloroethene	3/17/2025	ug/L	1.3	1.0	70
MW-21	Till	zinc	3/17/2025	ug/L	54.5	20.0	2000
MW-21	Till	zinc	9/17/2025	ug/L	23.3	20.0	2000
MW-21	Till	1,1-dichloroethane	3/17/2025	ug/L	2.7	1.0	140
MW-21	Till	1,1-dichloroethane	9/17/2025	ug/L	2.4	1.0	140
MW-23	Till	nickel	3/17/2025	ug/L	15.6	10.5	100
MW-23	Till	nickel	9/17/2025	ug/L	23.7	10.5	100
MW-23	Till	cis-1,2-dichloroethene	3/17/2025	ug/L	1.0	1.0	70
MW-24	Till	arsenic	3/17/2025	ug/L	84.7	4.0	10
MW-24	Till	barium	3/17/2025	ug/L	1790.0	208.98	2000
MW-24	Till	barium	9/17/2025	ug/L	698.0	210.23	2000
MW-24	Till	cis-1,2-dichloroethene	3/17/2025	ug/L	2.7	1.0	70
MW-25	Till	barium	3/17/2025	ug/L	301.0	208.98	2000
MW-25	Till	barium	9/17/2025	ug/L	301.0	210.23	2000

** = Site-Specific GWPS*

Table 7 – Summary of Ongoing and Newly Identified SSI

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-5	Arsenic	9/6/2016	<4.0	4.0	2.000	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	3/6/2017	<4.0	4.0	2.000	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	9/5/2017	<4.0	4.0	2.000	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	3/2/2018	<4.0	4.0	2.000	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	9/4/2018	<4.0	4.0	2.000	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	3/27/2019	<4.0	4.0	2.000	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	9/7/2019	5.9	4.0	0.681	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	3/30/2020	<4.0	4.0	0.681	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	9/1/2020	<4.0	4.0	0.681	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	3/3/2021	<4.0	4.0	0.681	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	9/10/2021	<4.0	4.0	2.000	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	3/4/2022	<4.0	4.0	2.000	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	9/2/2022	<4.0	4.0	2.000	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	3/21/2023	<4.0	4.0	2.000	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	9/26/2023	NT	4.0	2.000	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	3/1/2024	<4.0	4.0	2.000	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	9/11/2024	<4.0	4.0	2.000	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	3/17/2025	<4.0	4.0	2.000	10	9/7/2019	N/A	9/5/2017
MW-5	Arsenic	9/17/2025	<2.0	4.0	2.000	10	9/7/2019	N/A	9/5/2017

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-5	Barium	9/6/2016	567.00	242.83	420.773	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	3/6/2017	429.00	242.83	391.942	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	9/5/2017	444.00	242.83	378.393	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	3/2/2018	397.00	242.83	371.664	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	9/4/2018	353.00	234.26	358.392	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	3/27/2019	416.00	225.60	357.528	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	9/7/2019	503.00	222.29	343.188	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	3/30/2020	440.00	216.41	355.051	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	9/1/2020	455.00	216.13	410.328	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	3/3/2021	410.00	212.61	406.352	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	9/10/2021	335.00	209.47	347.203	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	3/4/2022	375.00	211.59	333.699	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	9/2/2022	442.00	229.72	336.369	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	3/21/2023	391.00	224.46	333.661	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	9/26/2023	NT	211.59	333.661	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	3/1/2024	549.00	208.13	346.856	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	9/11/2024	381.00	209.48	350.232	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	3/17/2025	317.00	208.98	293.508	2000	9/6/2016	N/A	9/5/2017
MW-5	Barium	9/17/2025	324.00	210.23	265.666	2000	9/6/2016	N/A	9/5/2017

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-5	Cobalt	9/6/2016	14.10	2.20	---	2.8	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	3/6/2017	<0.8	2.20	0.000	2.8	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	9/5/2017	5.30	2.20	0.000	2.8	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	3/2/2018	1.10	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	9/4/2018	1.00	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	3/27/2019	1.60	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	9/7/2019	10.60	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	3/30/2020	1.00	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	9/1/2020	14.40	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	3/3/2021	7.80	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	9/10/2021	0.90	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	3/4/2022	0.80	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	9/2/2022	10.10	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	3/21/2023	1.30	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	9/26/2023	NT	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	3/1/2024	8.00	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	9/11/2024	1.10	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	3/17/2025	<0.4	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-5	Cobalt	9/17/2025	<0.5	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-5	Nickel	9/6/2016	20.00	17.40	---	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	3/6/2017	28.00	17.40	---	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	9/5/2017	15.70	17.40	12.015	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	3/2/2018	11.20	17.40	4.775	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	9/4/2018	9.20	17.40	6.105	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	3/27/2019	13.10	17.40	9.042	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	9/7/2019	20.20	17.40	7.792	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	3/30/2020	13.20	17.40	8.539	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	9/1/2020	16.50	17.40	11.796	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	3/3/2021	10.70	17.40	10.303	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	9/10/2021	9.50	17.40	8.835	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	3/4/2022	10.60	17.40	8.104	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	9/2/2022	21.00	17.40	6.605	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	3/21/2023	12.10	17.40	7.133	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	9/26/2023	NT	10.50	7.133	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	3/1/2024	29.90	10.50	7.889	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	9/11/2024	14.00	10.50	9.762	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	3/17/2025	10.60	10.50	6.131	100	9/6/2016	N/A	9/5/2017
MW-5	Nickel	9/17/2025	13.20	10.50	6.608	100	9/6/2016	N/A	9/5/2017

Table 7
Summary of Ongoing & Newly Identified SSI
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Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-5	Zinc	9/6/2016	8.8	11.2	4.000	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	3/6/2017	<8	11.2	4.000	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	9/5/2017	<8	11.2	4.000	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	3/2/2018	<8	11.2	4.000	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	9/4/2018	24.5	11.2	0.000	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	3/27/2019	24.4	19.0	0.337	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	9/7/2019	<8	19.0	0.337	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	3/30/2020	<20	19.0	0.337	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	9/1/2020	<20	19.0	0.337	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	3/3/2021	<20	19.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	9/10/2021	<20	19.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	3/4/2022	<20	19.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	9/2/2022	<20	19.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	3/21/2023	<20	19.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	9/26/2023	NT	19.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	3/1/2024	<20	20.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	9/11/2024	<20	20.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	3/17/2025	<20	20.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-5	Zinc	9/17/2025	22	20.0	5.942	2000	9/4/2018	N/A	9/5/2017

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-5	1,1-dichloroethane	9/6/2016	4.30	1.00	0.000	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	3/6/2017	<1.0	1.00	0.000	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	9/5/2017	1.40	1.00	0.000	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	3/2/2018	1.20	1.00	0.000	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	9/4/2018	1.10	1.00	0.594	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	3/27/2019	<1.0	1.00	0.594	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	9/7/2019	<1.0	1.00	0.381	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	3/30/2020	<1.0	1.00	0.297	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	9/1/2020	<1.0	1.00	0.500	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	3/3/2021	1.10	1.00	0.297	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	9/10/2021	<1.0	1.00	0.297	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	3/4/2022	<1.0	1.00	0.297	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	9/2/2022	<1.0	1.00	0.297	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	3/21/2023	<1.0	1.00	0.500	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	9/26/2023	<1.0	1.00	0.500	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	3/1/2024	<1.0	1.00	0.500	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	9/11/2024	<1.0	1.00	0.500	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	3/17/2025	<1.0	1.00	0.500	140	9/6/2016	N/A	9/5/2017
MW-5	1,1-dichloroethane	9/17/2025	<1.0	1.00	0.500	140	9/6/2016	N/A	9/5/2017

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-5	1,4-dichlorobenzene	9/6/2016	1.20	1.00	0.348	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	3/6/2017	<1.0	1.00	0.348	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	9/5/2017	1.60	1.00	0.309	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	3/2/2018	<1.0	1.00	0.309	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	9/4/2018	1.20	1.00	0.309	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	3/27/2019	<1.0	1.00	0.309	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	9/7/2019	1.50	1.00	0.330	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	3/30/2020	<1.0	1.00	0.330	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	9/1/2020	1.70	1.00	0.297	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	3/3/2021	<1.0	1.00	0.673	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	9/10/2021	1.80	1.00	0.275	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	3/4/2022	<1.0	1.00	0.673	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	9/2/2022	<1.0	1.00	0.060	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	3/21/2023	<1.0	1.00	0.673	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	9/26/2023	1.20	1.00	0.263	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	3/1/2024	<1.0	1.00	0.263	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	9/11/2024	<1.0	1.00	0.263	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	3/17/2025	<1.0	1.00	0.263	75	9/6/2016	N/A	9/5/2017
MW-5	1,4-dichlorobenzene	9/17/2025	<1.0	1.00	0.500	75	9/6/2016	N/A	9/5/2017

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-5	benzene	9/6/2016	<1.0	1.00	0.500	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	3/6/2017	<1.0	1.00	0.500	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	9/5/2017	<1.0	1.00	0.500	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	3/2/2018	<1.0	1.00	0.500	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	9/4/2018	<1.0	1.00	0.500	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	3/27/2019	<1.0	1.00	0.500	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	9/7/2019	<1.0	1.00	0.500	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	3/30/2020	<1.0	1.00	0.500	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	9/1/2020	<1.0	1.00	0.500	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	3/3/2021	1.20	1.00	0.263	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	9/10/2021	<1.0	1.00	0.263	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	3/4/2022	<1.0	1.00	0.263	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	9/2/2022	<1.0	1.00	0.263	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	3/21/2023	<1.0	1.00	0.500	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	9/26/2023	<1.0	1.00	0.500	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	3/1/2024	<1.0	1.00	0.500	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	9/11/2024	<1.0	1.00	0.500	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	3/17/2025	<1.0	1.00	0.500	5	3/3/2021	N/A	9/5/2017
MW-5	benzene	9/17/2025	<1.0	1.00	0.500	5	3/3/2021	N/A	9/5/2017

Table 7
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Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-5	chlorobenzene	9/6/2016	4.40	1.00	0.000	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	3/6/2017	1.10	1.00	0.165	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	9/5/2017	5.30	1.00	0.026	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	3/2/2018	2.60	1.00	1.146	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	9/4/2018	4.80	1.00	1.148	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	3/27/2019	3.00	1.00	2.366	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	9/7/2019	3.40	1.00	2.324	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	3/30/2020	<1.0	1.00	0.818	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	9/1/2020	5.30	1.00	0.728	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	3/3/2021	6.40	1.00	0.861	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	9/10/2021	2.50	1.00	0.524	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	3/4/2022	1.30	1.00	1.081	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	9/2/2022	1.50	1.00	0.131	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	3/21/2023	1.20	1.00	0.923	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	9/26/2023	3.90	1.00	0.458	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	3/1/2024	<1.0	1.00	0.037	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	9/11/2024	<1.0	1.00	0.000	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	3/17/2025	1.80	1.00	0.000	100	9/6/2016	N/A	9/5/2017
MW-5	chlorobenzene	9/17/2025	<1.0	1.00	0.060	100	9/6/2016	N/A	9/5/2017

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Permit No. 28-SDP-01-74C

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-5	chloroethane	9/6/2016	<1.0	1.00	0.500	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	3/6/2017	<1.0	1.00	0.500	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	9/5/2017	<1.0	1.00	0.500	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	3/2/2018	<1.0	1.00	0.500	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	9/4/2018	<1.0	1.00	0.500	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	3/27/2019	<1.0	1.00	0.500	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	9/7/2019	<1.0	1.00	0.500	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	3/30/2020	<1.0	1.00	0.500	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	9/1/2020	<1.0	1.00	0.500	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	3/3/2021	1.00	1.00	0.331	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	9/10/2021	<1.0	1.00	0.331	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	3/4/2022	<1.0	1.00	0.331	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	9/2/2022	<1.0	1.00	0.331	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	3/21/2023	<1.0	1.00	0.500	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	9/26/2023	<1.0	1.00	0.500	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	3/1/2024	<1.0	1.00	0.500	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	9/11/2024	<1.0	1.00	0.500	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	3/17/2025	<1.0	1.00	0.500	2800	3/3/2021	N/A	9/5/2017
MW-5	chloroethane	9/17/2025	<1.0	1.00	0.500	2800	3/3/2021	N/A	9/5/2017

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

Delaware County Sanitary Landfill

Permit No. 28-SDP-01-74C

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)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-6	Arsenic	9/6/2016	5.90	4.00	0.681	5.269	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	3/6/2017	<4.0	4.00	0.681	5.269	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	9/5/2017	5.60	4.00	1.324	6.426	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	3/2/2018	4.40	4.00	2.390	6.560	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	9/4/2018	4.20	4.00	2.286	5.814	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	3/27/2019	8.00	4.00	3.496	7.604	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	9/7/2019	8.30	4.00	3.605	8.845	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	3/30/2020	15.90	4.00	3.333	14.867	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	9/1/2020	11.90	4.00	6.671	15.379	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	3/3/2021	12.50	4.00	8.488	15.812	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	9/10/2021	8.80	4.00	8.852	15.698	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	3/4/2022	6.40	4.00	6.558	13.242	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	9/2/2022	8.50	4.00	6.067	12.033	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	3/21/2023	7.00	4.00	6.312	9.038	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	9/26/2023	5.50	4.00	4.181	8.469	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	3/1/2024	4.30	4.00	2.216	7.184	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	9/11/2024	<4.0	4.00	0.681	5.269	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	3/17/2025	<4.0	4.00	1.398	5.502	10	9/6/2016	N/A	9/5/2017
MW-6	Arsenic	9/17/2025	<2.0	4.00	1.222	3.928	10	9/6/2016	N/A	9/5/2017

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Delaware County Sanitary Landfill

Permit No. 28-SDP-01-74C

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)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-6	Barium	9/6/2016	252.00	242.83	201.760	250.240	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	3/6/2017	224.00	242.83	209.740	250.260	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	9/5/2017	230.00	242.83	209.118	249.382	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	3/2/2018	214.00	242.83	211.082	248.918	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	9/4/2018	221.00	234.26	214.425	230.075	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	3/27/2019	221.00	225.60	213.787	229.213	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	9/7/2019	217.00	222.29	214.247	222.253	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	3/30/2020	267.00	216.41	203.573	259.427	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	9/1/2020	224.00	216.13	204.791	259.709	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	3/3/2021	256.00	212.61	212.460	269.540	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	9/10/2021	193.00	209.47	195.692	274.308	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	3/4/2022	237.00	211.59	196.341	258.659	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	9/2/2022	255.00	229.72	200.563	269.937	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	3/21/2023	254.00	224.46	200.599	268.901	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	9/26/2023	246.00	221.95	238.158	257.842	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	3/1/2024	234.00	208.13	235.830	258.670	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	9/11/2024	214.00	209.48	216.536	257.464	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	3/17/2025	211.00	208.98	206.652	245.848	2000	9/6/2016	N/A	9/5/2017
MW-6	Barium	9/17/2025	192.00	210.23	192.527	232.973	2000	9/6/2016	N/A	9/5/2017

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Delaware County Sanitary Landfill

Permit No. 28-SDP-01-74C

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)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-6	Zinc	9/6/2016	<8.0	11.20	4.000	4.000	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	3/6/2017	<8.0	11.20	4.000	4.000	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	9/5/2017	42.10	11.20	0.000	35.933	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	3/2/2018	<8.0	11.20	0.000	35.933	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	9/4/2018	<20.0	11.20	0.000	35.933	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	3/27/2019	<8.0	19.00	0.000	35.933	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	9/7/2019	<8.0	19.00	4.000	4.000	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	3/30/2020	<20.0	19.00	10.000	10.000	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	9/1/2020	<20.0	19.00	10.000	10.000	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	3/3/2021	<20.0	19.00	10.000	10.000	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	9/10/2021	<20.0	19.00	10.000	10.000	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	3/4/2022	<20.0	19.00	10.000	10.000	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	9/2/2022	<20.0	19.00	10.000	10.000	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	3/21/2023	<20.0	19.00	10.000	10.000	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	9/26/2023	<20.0	19.00	10.000	10.000	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	3/1/2024	<20.0	20.00	10.000	10.000	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	9/11/2024	<20.0	20.00	10.000	10.000	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	3/17/2025	<20.0	20.00	10.000	10.000	2000	9/5/2017	N/A	9/5/2017
MW-6	Zinc	9/17/2025	6.10	20.00	6.731	11.319	2000	9/5/2017	N/A	9/5/2017

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Delaware County Sanitary Landfill

Permit No. 28-SDP-01-74C

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)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-6	bis (2-ethylhexyl) phthalate	9/6/2016	12.00	6.00	2.633	10.867	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	3/6/2017	<8.0	6.00	2.633	10.867	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	9/5/2017	<6.0	6.00	2.633	10.867	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	3/2/2018	<6.0	6.00	2.633	10.867	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	9/4/2018	NT	6.00	2.633	10.867	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	3/27/2019	NT	6.00	2.633	10.867	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	9/7/2019	NT	6.00	2.633	10.867	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	3/30/2020	NT	6.00	2.633	10.867	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	9/1/2020	NT	6.00	2.633	10.867	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	3/3/2021	NT	6.00	2.633	10.867	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	9/10/2021	NT	6.00	2.633	10.867	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	3/4/2022	<6.0	6.00	3.000	3.000	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	9/2/2022	NT	6.00	3.000	3.000	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	3/21/2023	NT	6.00	3.000	3.000	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	9/26/2023	NT	6.00	3.000	3.000	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	3/1/2024	NT	6.00	3.000	3.000	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	9/11/2024	NT	6.00	3.000	3.000	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	3/17/2025	NT	6.00	3.000	3.000	6	9/6/2016	N/A	9/5/2017
MW-6	bis (2-ethylhexyl) phthalate	9/17/2025	NT	6.00	3.000	3.000	6	9/6/2016	N/A	9/5/2017

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

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-7	Barium	9/6/2016	291.00	242.83	---	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	3/6/2017	325.00	242.83	---	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	9/5/2017	379.00	242.83	267.579	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	12/5/2017	355.00	242.83	267.579	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	3/2/2018	362.00	242.83	328.731	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	9/4/2018	298.00	234.26	307.162	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	3/27/2019	297.00	225.60	286.434	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	9/7/2019	334.00	222.29	285.909	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	3/30/2020	311.00	216.41	289.74	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	9/1/2020	315.00	216.13	296.298	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	3/3/2021	325.00	212.61	309.087	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	9/10/2021	281.00	209.47	285.723	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	3/4/2022	317.00	211.59	286.580	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	9/2/2022	284.00	229.72	275.284	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	3/21/2023	342.00	224.46	271.867	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	9/26/2023	282.00	221.95	272.452	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	3/1/2024	273.00	208.13	258.160	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	9/11/2024	1020.00	209.48	53.670	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	3/17/2025	382.00	208.98	69.003	2000	9/6/2016	N/A	9/5/2017
MW-7	Barium	9/17/2025	271.00	210.23	63.709	2000	9/6/2016	N/A	9/5/2017

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-7	Cobalt	9/6/2016	<0.8	2.20	---	2.8	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	3/6/2017	1.40	2.20	---	2.8	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	9/5/2017	6.00	2.20	0.000	2.8	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	12/5/2017	2.90	2.20	0.000	2.8	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	3/2/2018	4.50	2.20	1.361	2.2	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	4/10/2018	4.00	2.20	1.361	2.2	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	9/4/2018	<0.8	2.20	0.801	2.2	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	3/27/2019	<0.8	2.20	0.000	2.2	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	9/7/2019	<0.8	2.20	0.000	2.2	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	3/30/2020	<0.8	2.20	0.400	2.2	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	9/1/2020	0.60	2.20	0.332	2.2	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	3/3/2021	<0.4	2.20	0.332	2.2	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	3/4/2022	0.80	2.20	0.325	2.2	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	9/2/2022	<0.4	2.20	0.265	2.2	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	3/21/2023	3.60	2.20	0.000	2.2	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	9/26/2023	<0.4	2.20	0.000	2.2	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	3/1/2024	1.50	2.20	0.000	2.2	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	9/11/2024	11.90	2.20	0.000	2.2	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	3/17/2025	4.30	2.20	0.000	2.2	9/5/2017	N/A	9/5/2017
MW-7	Cobalt	9/17/2025	<0.5	2.20	0.000	2.2	9/5/2017	N/A	9/5/2017

Table 7
Summary of Ongoing & Newly Identified SSI
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Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-7	Copper	9/6/2016	<4	5.30	---	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	3/6/2017	5.8	5.30	---	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	9/5/2017	<4	5.30	---	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	3/2/2018	<4	5.30	2.000	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	4/10/2018	<4	5.30	2.000	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	9/4/2018	<4	5.30	2.000	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	3/27/2019	<4	5.30	2.000	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	9/7/2019	<4	5.30	2.000	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	3/30/2020	<4	5.30	2.000	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	9/1/2020	<4	5.30	2.000	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	3/3/2021	<4	5.30	2.000	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	3/4/2022	<4	5.30	2.000	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	9/2/2022	<4	5.30	2.000	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	3/21/2023	6.0	5.30	0.647	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	9/26/2023	<4	5.30	0.647	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	3/1/2024	<4	5.30	2.000	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	9/11/2024	11.2	5.30	0.647	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	3/17/2025	<4	5.30	0.000	1300	3/6/2017	N/A	9/5/2017
MW-7	Copper	9/17/2025	<5	5.30	0.000	1300	3/6/2017	N/A	9/5/2017

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-7	Nickel	9/6/2016	<4.0	10.5	---	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	3/6/2017	31.5	10.5	---	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	9/5/2017	8.2	10.5	---	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	3/2/2018	6.9	10.5	---	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	4/10/2018	<4.0	10.5	---	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	9/4/2018	<4.0	10.5	---	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	3/27/2019	<4.0	10.5	---	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	9/7/2019	<4.0	10.5	---	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	3/30/2020	<4.0	10.5	---	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	9/1/2020	<4.0	10.5	---	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	3/3/2021	<4.0	10.5	---	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	3/4/2022	5.1	10.5	---	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	9/2/2022	<4.0	10.5	---	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	3/21/2023	11.4	10.5	---	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	9/26/2023	<4.0	10.5	---	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	3/1/2024	6.2	10.5	0.150	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	9/11/2024	161	10.5	0.000	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	3/17/2025	7.6	10.5	0.000	100	3/6/2017	N/A	4/10/2018
MW-7	Nickel	9/17/2025	<5.0	10.5	0.000	100	3/6/2017	N/A	4/10/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-7	Zinc	9/6/2016	<8.0	20.0	---	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	3/6/2017	14.9	20.0	---	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	9/5/2017	11.2	20.0	---	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	3/2/2018	<8.0	20.0	---	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	4/10/2018	<20.	20.0	---	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	9/4/2018	<8.0	20.0	---	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	3/27/2019	<8.0	20.0	---	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	9/7/2019	<20.	20.0	---	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	3/30/2020	<20.	20.0	---	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	9/1/2020	<20.	20.0	---	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	3/3/2021	<20.	20.0	---	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	3/4/2022	<20.	20.0	---	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	9/2/2022	<20.	20.0	---	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	3/21/2023	<20.	20.0	---	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	9/26/2023	<20.	20.0	---	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	3/1/2024	<20.	20.0	---	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	9/11/2024	27.8	20.0	3.981	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	3/17/2025	26.4	20.0	6.917	100	3/6/2017	N/A	4/10/2018
MW-7	Zinc	9/17/2025	9.1	20.0	6.379	100	3/6/2017	N/A	4/10/2018

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

Table 7

KEY:

SSI

SSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI

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

Annual Water Quality Report

Delaware County Sanitary Landfill

Permit No. 28-SDP-01-74C

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-8	Arsenic	9/6/2016	5.30	4.00	2.258	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	3/6/2017	<4.0	4.00	1.434	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	9/5/2017	<4.0	4.00	0.884	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	3/2/2018	6.30	4.00	1.275	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	9/4/2018	<4.0	4.00	0.546	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	3/27/2019	<4.0	4.00	0.546	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	9/7/2019	4.50	4.00	1.234	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	3/30/2020	<4.0	4.00	1.155	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	9/1/2020	9.40	4.00	0.372	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	3/3/2021	7.20	4.00	1.991	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	9/10/2021	14.20	4.00	2.245	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	3/4/2022	15.40	4.00	6.975	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	9/2/2022	15.60	4.00	8.416	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	3/21/2023	14.60	4.00	14.173	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	9/26/2023	Dry	4.00	14.173	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	3/1/2024	15.40	4.00	14.728	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	6/13/2024	4.90	4.00	14.728	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	9/11/2024	<4.0	4.00	2.633	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	3/17/2025	16.00	4.00	2.970	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	7/14/2025	12.20	4.00	2.970	10	9/6/2016	N/A	9/5/2017
MW-8	Arsenic	9/17/2025	13.80	4.00	3.708	10	9/6/2016	N/A	9/5/2017

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-8	Barium	9/6/2016	1490.00	242.83	499.938	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	3/6/2017	1010.00	242.83	495.244	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	9/5/2017	911.00	242.83	458.453	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	3/2/2018	1110.00	242.83	832.39	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	9/4/2018	376.00	234.26	466.626	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	3/27/2019	266.00	225.60	184.927	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	9/7/2019	669.00	222.29	161.739	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	3/30/2020	291.00	216.41	182.783	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	9/1/2020	1040.00	216.13	136.492	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	3/3/2021	1390.00	212.61	290.399	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	9/10/2021	1170.00	209.47	411.774	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	3/4/2022	1300.00	211.59	1045.191	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	9/2/2022	1090.00	229.92	1080.453	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	3/21/2023	1180.00	224.46	1083.130	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	9/26/2023	Dry	221.95	1083.130	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	3/1/2024	934.00	208.13	944.592	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	9/11/2024	332.00	209.48	434.923	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	3/17/2025	1020.00	208.98	430.537	2000	9/6/2016	N/A	9/5/2017
MW-8	Barium	9/17/2025	1040.00	210.23	436.079	2000	9/6/2016	N/A	9/5/2017

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-8	Cadmium	9/6/2016	<0.8	1.0	0.400	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	3/6/2017	<0.8	1.0	0.400	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	9/5/2017	<0.8	1.0	0.400	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	3/2/2018	<0.8	1.0	0.400	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	9/4/2018	<0.8	1.0	0.400	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	3/27/2019	<0.8	1.0	0.400	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	9/7/2019	<0.8	1.0	0.400	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	3/30/2020	<0.8	1.0	0.400	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	9/1/2020	0.80	1.0	0.265	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	3/3/2021	0.80	1.0	0.328	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	9/10/2021	2.30	1.0	0.089	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	3/4/2022	<0.8	1.0	2.061	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	9/2/2022	<0.8	1.0	0.000	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	3/21/2023	<0.8	1.0	0.000	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	9/26/2023	Dry	1.0	0.000	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	3/1/2024	<0.8	1.0	0.400	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	9/11/2024	0.80	1.0	0.400	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	3/17/2025	<0.8	1.0	0.400	5	9/10/2021	N/A	9/5/2017
MW-8	Cadmium	9/17/2025	<0.2	1.0	0.400	5	9/10/2021	N/A	9/5/2017

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Delaware County Sanitary Landfill

Permit No. 28-SDP-01-74C

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-8	Cobalt	9/6/2016	25.10	2.20	---	2.8	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	3/6/2017	15.30	2.20	4.585	2.8	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	9/5/2017	13.20	2.20	3.268	2.8	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	3/2/2018	15.00	2.20	10.821	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	9/4/2018	1.60	2.20	3.61	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	3/27/2019	1.80	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	9/7/2019	9.60	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	3/30/2020	3.60	2.20	0.000	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	9/1/2020	13.10	2.20	0.854	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	3/3/2021	22.10	2.20	3.001	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	9/10/2021	10.40	2.20	3.291	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	3/4/2022	11.70	2.20	8.092	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	9/2/2022	8.20	2.20	5.841	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	3/21/2023	11.30	2.20	8.560	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	9/26/2023	Dry	2.20	8.560	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	3/1/2024	6.90	2.20	6.764	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	6/13/2024	12.40	2.20	6.764	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	9/11/2024	3.60	2.20	3.840	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	3/17/2025	9.20	2.20	3.797	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	7/14/2025	9.30	2.20	3.797	2.2	9/6/2016	N/A	9/5/2017
MW-8	Cobalt	9/17/2025	8.00	2.20	4.370	2.2	9/6/2016	N/A	9/5/2017

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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-8	Copper	9/6/2016	<4.0	5.30	2.000	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	3/6/2017	<4.0	5.30	2.000	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	9/5/2017	<4.0	5.30	2.000	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	3/2/2018	<4.0	5.30	2.000	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	9/4/2018	<4.0	5.30	2.000	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	3/27/2019	<4.0	5.30	2.000	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	9/7/2019	<4.0	5.30	2.000	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	3/30/2020	<4.0	5.30	2.000	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	9/1/2020	<4.0	5.30	2.000	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	3/3/2021	<4.0	5.30	2.000	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	9/10/2021	11.80	5.30	0.000	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	3/4/2022	<4.0	5.30	0.000	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	9/2/2022	<4.0	5.30	0.000	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	3/21/2023	<4.0	5.30	0.000	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	9/26/2023	Dry	5.30	0.000	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	3/1/2024	5.30	5.30	0.884	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	9/11/2024	<4.0	5.30	0.884	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	3/17/2025	<4.0	5.30	0.884	1300	9/10/2021	N/A	9/5/2017
MW-8	Copper	9/17/2025	<5.0	5.30	0.884	1300	9/10/2021	N/A	9/5/2017

Table 7

KEY:

SSI

SSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Delaware County Sanitary Landfill

Permit No. 28-SDP-01-74C

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-8	Nickel	9/6/2016	49.80	17.40	---	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	3/6/2017	34.50	17.40	---	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	9/5/2017	38.90	17.40	20.452	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	3/2/2018	45.40	17.40	34.167	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	9/4/2018	26.10	17.40	26.697	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	3/27/2019	25.90	17.40	22.671	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	9/7/2019	53.10	17.40	21.408	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	3/30/2020	32.70	17.40	19.360	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	9/1/2020	95.10	17.40	15.051	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	3/3/2021	152.00	17.40	21.237	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	9/10/2021	177.00	17.40	38.637	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	3/4/2022	213.00	17.40	100.965	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	9/2/2022	203.00	17.40	154.002	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	3/21/2023	200.00	17.40	180.349	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	9/26/2023	Dry	10.50	180.349	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	3/1/2024	126.00	10.50	138.385	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	6/13/2024	160.00	10.50	138.385	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	9/11/2024	5.00	10.50	23.677	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	3/17/2025	134.00	10.50	25.115	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	7/14/2025	160.00	10.50	25.115	100	9/6/2016	N/A	9/5/2017
MW-8	Nickel	9/17/2025	133.00	10.50	25.901	100	9/6/2016	N/A	9/5/2017

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Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Delaware County Sanitary Landfill

Permit No. 28-SDP-01-74C

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-8	Zinc	9/6/2016	8.8	11.2	2.377	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	3/6/2017	<8	11.2	2.377	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	9/5/2017	<8	11.2	2.377	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	3/2/2018	<8	11.2	2.377	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	9/4/2018	28.7	11.2	0.000	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	3/27/2019	29.5	19.0	0.000	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	9/7/2019	<8	19.0	0.000	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	3/30/2020	<20	19.0	0.000	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	9/1/2020	<20	19.0	0.000	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	3/3/2021	<20	19.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	9/10/2021	101.0	19.0	0.000	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	3/4/2022	<20	19.0	0.000	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	9/2/2022	<20	19.0	0.000	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	3/21/2023	<20	19.0	0.000	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	9/26/2023	Dry	19.0	0.000	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	3/1/2024	<20	20.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	9/11/2024	31.4	20.0	0.000	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	3/17/2025	<20	20.0	2.764	2000	9/4/2018	N/A	9/5/2017
MW-8	Zinc	9/17/2025	13.8	20.0	4.273	2000	9/4/2018	N/A	9/5/2017

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Delaware County Sanitary Landfill

Permit No. 28-SDP-01-74C

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-8	1,1-dichloroethane	9/6/2016	4.60	1.00	2.401	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	3/6/2017	4.80	1.00	2.589	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	9/5/2017	2.80	1.00	2.991	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	3/2/2018	4.80	1.00	3.108	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	9/4/2018	2.70	1.00	2.382	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	3/27/2019	1.60	1.00	1.407	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	9/7/2019	2.60	1.00	1.343	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	3/30/2020	2.10	1.00	1.654	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	9/1/2020	3.50	1.00	1.497	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	3/3/2021	5.90	1.00	1.542	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	9/10/2021	3.10	1.00	1.755	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	3/4/2022	3.40	1.00	2.452	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	9/2/2022	<1.0	1.00	0.628	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	3/21/2023	1.60	1.00	0.559	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	9/26/2023	Dry	1.00	0.559	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	3/1/2024	1.00	1.00	0.136	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	9/11/2024	<1.0	1.00	0.285	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	3/17/2025	<1.0	1.00	0.285	140	9/6/2016	N/A	9/5/2017
MW-8	1,1-dichloroethane	9/17/2025	<1.0	1.00	0.331	140	9/6/2016	N/A	9/5/2017

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Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-8	chloroethane	9/6/2016	<1.0	1.00	0.287	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	3/6/2017	1.60	1.00	0.309	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	9/5/2017	1.40	1.00	0.612	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	3/2/2018	1.50	1.00	0.654	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	9/4/2018	1.00	1.00	1.066	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	3/27/2019	<1.0	1.00	0.565	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	9/7/2019	<1.0	1.00	0.312	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	3/30/2020	<1.0	1.00	0.331	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	9/1/2020	1.30	1.00	0.229	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	3/3/2021	1.10	1.00	0.365	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	9/10/2021	1.00	1.00	0.575	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	3/4/2022	<1.0	1.00	0.575	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	9/2/2022	<1.0	1.00	0.398	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	3/21/2023	<1.0	1.00	0.331	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	9/26/2023	Dry	1.00	0.331	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	3/1/2024	<1.0	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	9/11/2024	<1.0	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	3/17/2025	<1.0	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chloroethane	9/17/2025	<1.0	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017

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KEY:

SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-8	chlorobenzene	9/6/2016	<1.0	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	3/6/2017	<1.0	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	9/5/2017	<1.0	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	3/2/2018	<1.0	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	9/4/2018	<1.0	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	3/27/2019	1.40	1.00	0.196	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	9/7/2019	<1.0	1.00	0.196	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	3/30/2020	1.00	1.00	0.337	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	9/1/2020	<1.0	1.00	0.337	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	3/3/2021	<1.0	1.00	0.331	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	9/10/2021	<1.0	1.00	0.331	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	3/4/2022	1.00	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	9/2/2022	<1.0	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	3/21/2023	<1.0	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	9/26/2023	Dry	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	3/1/2024	<1.0	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	9/11/2024	<1.0	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	3/17/2025	<1.0	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017
MW-8	chlorobenzene	9/17/2025	<1.0	1.00	0.500	2,800.00	3/6/2017	N/A	9/5/2017

Table 7
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Permit No. 28-SDP-01-74C

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-8	cis-1,2-dichloroethylene	9/6/2016	2.70	1.00	0.780	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	3/6/2017	2.30	1.00	0.801	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	9/5/2017	1.80	1.00	1.86	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	3/2/2018	2.10	1.00	1.781	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	9/4/2018	1.50	1.00	1.513	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	3/27/2019	1.60	1.00	1.439	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	9/7/2019	<1.0	1.00	0.637	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	3/30/2020	1.10	1.00	0.588	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	9/1/2020	1.60	1.00	0.585	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	3/3/2021	4.50	1.00	0.000	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	9/10/2021	1.90	1.00	0.488	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	3/4/2022	2.20	1.00	0.994	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	9/2/2022	2.70	1.00	1.455	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	3/21/2023	1.30	1.00	1.337	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	9/26/2023	Dry	1.00	1.337	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	3/1/2024	<1.0	1.00	0.529	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	9/11/2024	<1.0	1.00	0.029	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	3/17/2025	1.30	1.00	0.357	70	9/6/2016	N/A	9/5/2017
MW-8	cis-1,2-dichloroethylene	9/17/2025	<1.0	1.00	0.229	70	9/6/2016	N/A	9/5/2017

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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-8	dichlorodifluoromethane	9/6/2016	<1.0	1.00	0.128	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	3/6/2017	<1.0	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	9/5/2017	<1.0	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	3/2/2018	<1.0	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	9/4/2018	NT	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	3/27/2019	<1.0	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	9/7/2019	NT	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	3/30/2020	NT	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	9/1/2020	NT	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	3/3/2021	NT	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	9/10/2021	NT	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	3/4/2022	NT	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	9/2/2022	NT	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	3/21/2023	NT	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	9/26/2023	NT	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	3/1/2024	<1.0	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	9/11/2024	NT	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	3/17/2025	NT	1.00	0.500	1,000.00	N/A	N/A	9/5/2017
MW-8	dichlorodifluoromethane	9/17/2025	NT	1.00	0.500	1,000.00	N/A	N/A	9/5/2017

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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-8	trans-1,2-dichloroethylene	9/6/2016	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	3/6/2017	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	9/5/2017	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	3/2/2018	2.90	1.0	0.000	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	9/4/2018	<1.0	1.0	0.000	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	3/27/2019	<1.0	1.0	0.000	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	9/7/2019	<1.0	1.0	0.000	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	3/30/2020	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	9/1/2020	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	3/3/2021	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	9/10/2021	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	3/4/2022	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	9/2/2022	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	3/21/2023	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	9/26/2023	Dry	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	3/1/2024	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	9/11/2024	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	3/17/2025	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-8	trans-1,2-dichloroethylene	9/17/2025	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017

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
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-21	Barium	9/6/2016	263	242.83	---	2000	9/6/2016	NA	4/12/2018
MW-21	Barium	3/6/2017	200	242.83	---	2000	9/6/2016	NA	4/12/2018
MW-21	Barium	9/5/2017	191	242.83	---	2000	9/6/2016	NA	4/12/2018
MW-21	Barium	3/2/2018	468	242.83	---	2000	9/6/2016	NA	4/12/2018
MW-21	Barium	4/12/2018	192	242.83	---	2000	9/6/2016	NA	4/12/2018
MW-21	Barium	3/27/2019	220	225.60	---	2000	9/6/2016	NA	4/12/2018
MW-21	Barium	3/3/2021	NT	212.61	---	2000	9/6/2016	NA	4/12/2018
MW-21	Barium	9/10/2021	NT	209.47	---	2000	9/6/2016	NA	4/12/2018
MW-21	Barium	3/4/2022	NT	211.59	---	2000	9/6/2016	NA	4/12/2018
MW-21	Barium	9/2/2022	NT	229.72	---	2000	9/6/2016	NA	4/12/2018
MW-21	Barium	3/21/2023	NT	224.46	---	2000	9/6/2016	NA	4/12/2018
MW-21	Barium	9/26/2023	213	221.95	---	2000	9/6/2016	NA	4/12/2018
MW-21	Barium	3/1/2024	210	208.13	194.721	2000	9/6/2016	NA	4/12/2018
MW-21	Barium	9/11/2024	203	209.48	203.210	2000	9/6/2016	NA	4/12/2018
MW-21	Barium	3/17/2025	205	208.98	202.370	2000	9/6/2016	NA	4/12/2018
MW-21	Barium	9/17/2025	192	210.23	193.567	2000	9/6/2016	NA	4/12/2018

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Permit No. 28-SDP-01-74C

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-21	Cobalt	9/6/2016	<0.8	2.20	0.400	2.2	Not Verified	NA	9/5/2017
MW-21	Cobalt	3/6/2017	<0.8	2.20	0.400	2.2	Not Verified	NA	9/5/2017
MW-21	Cobalt	9/5/2017	<0.8	2.20	0.400	2.2	Not Verified	NA	9/5/2017
MW-21	Cobalt	3/2/2018	21.00	2.20	0.000	2.2	Not Verified	NA	9/5/2017
MW-21	Cobalt	4/12/2018	<0.8	2.20	0.000	2.2	Not Verified	NA	9/5/2017
MW-21	Cobalt	3/27/2019	<0.8	2.20	0.000	2.2	Not Verified	NA	9/5/2017
MW-21	Cobalt	3/3/2021	<0.4	2.20	0.000	2.2	Not Verified	NA	9/5/2017
MW-21	Cobalt	9/10/2021	<0.4	2.20	0.200	2.2	Not Verified	NA	9/5/2017
MW-21	Cobalt	3/4/2022	<0.4	2.20	0.200	2.2	Not Verified	NA	9/5/2017
MW-21	Cobalt	9/2/2022	0.60	2.20	0.332	2.2	Not Verified	NA	9/5/2017
MW-21	Cobalt	3/21/2023	<0.4	2.20	0.332	2.2	Not Verified	NA	9/5/2017
MW-21	Cobalt	9/26/2023	<0.4	2.20	0.332	2.2	Not Verified	NA	9/5/2017
MW-21	Cobalt	3/1/2024	<0.4	2.20	0.332	2.2	Not Verified	NA	9/5/2017
MW-21	Cobalt	9/11/2024	<0.4	2.20	0.200	2.2	Not Verified	NA	9/5/2017
MW-21	Cobalt	3/17/2025	<0.4	2.20	0.200	2.2	Not Verified	NA	9/5/2017
MW-21	Cobalt	9/17/2025	<0.5	2.20	0.200	2.2	Not Verified	NA	9/5/2017

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Permit No. 28-SDP-01-74C

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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-21	Zinc	9/6/2016	39.80	20.00	---	2000	9/6/2016	NA	9/5/2017
MW-21	Zinc	3/6/2017	36.40	20.00	---	2000	9/6/2016	NA	9/5/2017
MW-21	Zinc	9/5/2017	29.60	20.00	---	2000	9/6/2016	NA	9/5/2017
MW-21	Zinc	3/2/2018	sample error	20.00	---	2000	9/6/2016	NA	9/5/2017
MW-21	Zinc	4/12/2018	31.80	20.00	30.433	2000	9/6/2016	NA	9/5/2017
MW-21	Zinc	3/27/2019	38.40	20.00	30.539	2000	9/6/2016	NA	9/5/2017
MW-21	Zinc	3/3/2021	NT	20.00	30.539	2000	9/6/2016	NA	9/5/2017
MW-21	Zinc	9/10/2021	NT	20.00	30.539	2000	9/6/2016	NA	9/5/2017
MW-21	Zinc	3/4/2022	NT	20.00	30.539	2000	9/6/2016	NA	9/5/2017
MW-21	Zinc	9/2/2022	NT	20.00	30.539	2000	9/6/2016	NA	9/5/2017
MW-21	Zinc	3/21/2023	NT	20.00	30.539	2000	9/6/2016	NA	9/5/2017
MW-21	Zinc	9/26/2023	35.70	20.00	30.470	2000	9/6/2016	NA	9/5/2017
MW-21	Zinc	3/1/2024	20.90	20.00	22.651	2000	9/6/2016	NA	9/5/2017
MW-21	Zinc	9/11/2024	526.00	20.00	0.000	2000	9/6/2016	NA	9/5/2017
MW-21	Zinc	3/17/2025	54.50	20.00	0.000	2000	9/6/2016	NA	9/5/2017
MW-21	Zinc	9/17/2025	23.30	20.00	0.000	2000	9/6/2016	NA	9/5/2017

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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-21	1,1-dichloroethane	9/6/2016	3.00	1.0	---	140	9/6/2016	NA	9/5/2017
MW-21	1,1-dichloroethane	3/6/2017	2.70	1.0	---	140	9/6/2016	NA	9/5/2017
MW-21	1,1-dichloroethane	9/5/2017	2.40	1.0	---	140	9/6/2016	NA	9/5/2017
MW-21	1,1-dichloroethane	3/2/2018	4.30	1.0	2.375	140	9/6/2016	NA	9/5/2017
MW-21	1,1-dichloroethane	4/12/2018	NT	1.0	2.375	140	9/6/2016	NA	9/5/2017
MW-21	1,1-dichloroethane	3/27/2019	2.50	1.0	2.202	140	9/6/2016	NA	9/5/2017
MW-21	1,1-dichloroethane	3/3/2021	NT	1.0	2.202	140	9/6/2016	NA	9/5/2017
MW-21	1,1-dichloroethane	9/10/2021	NT	1.0	2.202	140	9/6/2016	NA	9/5/2017
MW-21	1,1-dichloroethane	3/4/2022	NT	1.0	2.202	140	9/6/2016	NA	9/5/2017
MW-21	1,1-dichloroethane	9/2/2022	NT	1.0	2.202	140	9/6/2016	NA	9/5/2017
MW-21	1,1-dichloroethane	3/21/2023	NT	1.0	2.202	140	9/6/2016	NA	9/5/2017
MW-21	1,1-dichloroethane	9/26/2023	5.0	1.0	2.422	140	9/6/2016	NA	9/5/2017
MW-21	1,1-dichloroethane	3/1/2024	3.3	1.0	2.482	140	9/6/2016	NA	9/5/2017
MW-21	1,1-dichloroethane	9/11/2024	2.5	1.0	1.939	140	9/6/2016	NA	9/5/2017
MW-21	1,1-dichloroethane	3/17/2025	2.7	1.0	2.039	140	9/6/2016	NA	9/5/2017
MW-21	1,1-dichloroethane	9/17/2025	2.4	1.0	2.251	140	9/6/2016	NA	9/5/2017

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-21	dichlorodifluoromethane	9/6/2016	2.8	1.0	---	1000	9/6/2016	NA	3/1/2024
MW-21	dichlorodifluoromethane	3/6/2017	1.3	1.0	---	1000	9/6/2016	NA	3/1/2024
MW-21	dichlorodifluoromethane	9/5/2017	1.2	1.0	---	1000	9/6/2016	NA	3/1/2024
MW-21	dichlorodifluoromethane	3/2/2018	3.1	1.0	---	1000	9/6/2016	NA	3/1/2024
MW-21	dichlorodifluoromethane	4/12/2018	NT	1.0	---	1000	9/6/2016	NA	3/1/2024
MW-21	dichlorodifluoromethane	3/27/2019	NT	1.0	---	1000	9/6/2016	NA	3/1/2024
MW-21	dichlorodifluoromethane	3/3/2021	NT	1.0	---	1000	9/6/2016	NA	3/1/2024
MW-21	dichlorodifluoromethane	9/10/2021	NT	1.0	---	1000	9/6/2016	NA	3/1/2024
MW-21	dichlorodifluoromethane	3/4/2022	NT	1.0	---	1000	9/6/2016	NA	3/1/2024
MW-21	dichlorodifluoromethane	9/2/2022	NT	1.0	---	1000	9/6/2016	NA	3/1/2024
MW-21	dichlorodifluoromethane	3/21/2023	NT	1.0	---	1000	9/6/2016	NA	3/1/2024
MW-21	dichlorodifluoromethane	9/26/2023	NT	1.0	---	1000	9/6/2016	NA	3/1/2024
MW-21	dichlorodifluoromethane	3/1/2024	2.0	1.0	0.870	1000	9/6/2016	NA	3/1/2024
MW-21	dichlorodifluoromethane	9/11/2024	<1.0	1.0	0.387	1000	9/6/2016	NA	3/1/2024
MW-21	dichlorodifluoromethane	3/17/2025	NT	1.0	0.036	1000	9/6/2016	NA	3/1/2024
MW-21	dichlorodifluoromethane	9/17/2025	NT	1.0	0.000	1000	9/6/2016	NA	3/1/2024

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
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-23	Chromium	9/6/2016	8.40	8.70	---	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	3/6/2017	<8.0	8.70	---	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	9/5/2017	9.00	8.70	3.145	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	3/2/2018	<8.0	8.70	3.145	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	9/4/2018	<8.0	8.70	2.309	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	3/27/2019	<8.0	8.70	2.309	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	9/7/2019	<8.0	8.70	4.000	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	3/30/2020	<8.0	8.70	4.000	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	9/1/2020	<8.0	8.70	4.000	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	3/3/2021	<8.0	8.70	4.000	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	9/10/2021	<8.0	8.70	4.000	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	3/4/2022	<8.0	8.70	4.000	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	9/2/2022	<8.0	8.70	4.000	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	3/21/2023	<8.0	8.70	4.000	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	9/26/2023	<8.0	8.70	4.000	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	3/1/2024	<8.0	8.70	4.000	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	9/11/2024	<8.0	8.70	4.000	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	3/17/2025	<8.0	8.70	4.000	100	9/5/2017	N/A	9/4/2018
MW-23	Chromium	9/17/2025	1.10	8.70	4.000	100	9/5/2017	N/A	9/4/2018

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SSI

SSL LCL>GWPS

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Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-23	Nickel	9/6/2016	5.20	17.40	---	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	3/6/2017	<4.0	17.40	---	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	9/5/2017	5.90	17.40	3.145	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	3/2/2018	5.30	17.40	3.145	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	9/4/2018	<4.0	17.40	2.309	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	3/27/2019	<4.0	17.40	2.309	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	9/7/2019	<4.0	17.40	4.000	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	3/30/2020	<4.0	17.40	4.000	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	9/1/2020	<4.0	17.40	4.000	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	3/3/2021	<4.0	17.40	4.000	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	9/10/2021	<4.0	17.40	4.000	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	3/4/2022	<4.0	17.40	4.000	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	9/2/2022	17.40	17.40	0.000	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	3/21/2023	5.00	17.40	0.000	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	9/26/2023	32.80	10.50	0.000	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	3/1/2024	32.40	10.50	6.193	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	9/11/2024	28.90	10.50	9.131	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	3/17/2025	15.60	10.50	17.926	100	9/26/2023	N/A	9/4/2018
MW-23	Nickel	9/17/2025	23.70	10.50	16.561	100	9/26/2023	N/A	9/4/2018

Table 7

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SSI

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Summary of Ongoing & Newly Identified SSI

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Annual Water Quality Report

Delaware County Sanitary Landfill

Permit No. 28-SDP-01-74C

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-23	bis (2-ethylhexyl) phthalate	9/6/2016	<10	6.00	5.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	3/6/2017	<10	6.00	5.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	9/5/2017	<6	6.00	5.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	3/2/2018	<6	6.00	5.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	9/4/2018	NT	6.00	5.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	3/27/2019	64.00	6.00	0.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	9/7/2019	NT	6.00	0.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	3/30/2020	NT	6.00	0.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	9/1/2020	NT	6.00	0.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	3/3/2021	NT	6.00	0.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	9/10/2021	NT	6.00	0.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	3/4/2022	NT	6.00	0.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	9/2/2022	NT	6.00	0.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	3/21/2023	NT	6.00	0.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	9/26/2023	NT	6.00	0.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	3/1/2024	<6	6.00	0.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	9/11/2024	NT	6.00	0.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	3/17/2025	NT	6.00	0.000	6	3/27/2019	N/A	9/4/2018
MW-23	bis (2-ethylhexyl) phthalate	9/17/2025	NT	6.00	0.000	6	3/27/2019	N/A	9/4/2018

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SSI

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-23	cis-1,2-dichloroethylene	9/6/2016	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	3/6/2017	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	9/5/2017	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	3/2/2018	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	9/4/2018	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	3/27/2019	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	9/7/2019	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	3/30/2020	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	9/1/2020	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	3/3/2021	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	9/10/2021	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	3/4/2022	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	9/2/2022	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	3/21/2023	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	9/26/2023	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	3/1/2024	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	9/11/2024	<1	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	3/17/2025	1.00	1.00	0.500	70	3/17/2025	N/A	9/4/2018
MW-23	cis-1,2-dichloroethylene	9/17/2025	<1	1.00	0.331	70	3/17/2025	N/A	9/4/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-23	PCE	9/6/2016	2.60	1.00	2.17	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	3/6/2017	4.90	1.00	2.009	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	9/5/2017	3.70	1.00	2.666	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	3/2/2018	5.00	1.00	2.717	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	9/4/2018	4.00	1.00	3.638	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	3/27/2019	3.20	1.00	3.082	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	9/7/2019	3.90	1.00	3.153	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	3/30/2020	2.40	1.00	2.503	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	9/1/2020	2.70	1.00	2.279	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	3/3/2021	2.70	1.00	2.143	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	9/10/2021	3.60	1.00	2.239	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	3/4/2022	3.80	1.00	2.514	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	9/2/2022	<1.0	1.00	0.873	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	3/21/2023	2.40	1.00	0.793	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	9/26/2023	<1.0	1.00	0.000	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	3/1/2024	<1.0	1.00	0.000	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	9/11/2024	<1.0	1.00	0.000	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	3/17/2025	<1.0	1.00	0.500	5	9/6/2016	N/A	9/4/2018
MW-23	PCE	9/17/2025	<1.0	1.00	0.500	5	9/6/2016	N/A	9/4/2018

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

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-24	Arsenic	10/12/2016	<4.0	4.00	---	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	3/6/2017	14.80	4.00	---	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	6/15/2017	4.00	4.00	---	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	9/5/2017	<4.0	4.00	0.000	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	3/2/2018	51.60	4.00	0.000	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	9/4/2018	4.30	4.00	0.000	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	3/27/2019	21.40	4.00	0.000	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	9/7/2019	9.20	4.00	0.000	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	3/30/2020	7.90	4.00	1.962	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	9/1/2020	5.50	4.00	2.648	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	3/3/2021	60.60	4.00	0.000	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	9/10/2021	<4.0	4.00	0.000	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	3/4/2022	74.70	4.00	0.000	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	9/2/2022	7.00	4.00	0.000	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	3/21/2023	25.80	4.00	0.000	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	9/26/2023	<4.0	4.00	0.000	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	3/1/2024	40.30	4.00	0.000	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	9/11/2024	21.20	4.00	3.732	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	3/17/2025	84.70	4.00	0.000	10	3/6/2017	N/A	9/5/2017
MW-24	Arsenic	9/17/2025	<2.0	4.00	0.000	10	3/6/2017	N/A	9/5/2017

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-24	Barium	10/12/2016	469.00	242.83	---	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	3/6/2017	1280.00	242.83	---	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	6/15/2017	731.00	242.83	---	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	9/5/2017	624.00	242.83	361.011	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	3/2/2018	1560.00	242.83	524.353	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	9/4/2018	768.00	234.26	414.336	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	3/27/2019	1020.00	225.60	508.478	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	9/7/2019	745.00	222.29	577.559	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	3/30/2020	971.00	216.41	711.62	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	9/1/2020	893.00	216.13	765.924	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	3/3/2021	1510.00	212.61	637.336	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	9/10/2021	645.00	209.47	576.131	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	3/4/2022	1880.00	211.59	567.743	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	9/2/2022	640.00	229.92	432.208	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	3/21/2023	1020.00	224.46	359.734	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	9/26/2023	711.00	221.95	393.136	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	3/1/2024	1480.00	208.13	513.101	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	9/11/2024	1030.00	209.48	687.841	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	3/17/2025	1790.00	208.98	691.330	2000	10/12/2016	N/A	9/5/2017
MW-24	Barium	9/17/2025	698.00	210.23	682.272	2000	10/12/2016	N/A	9/5/2017

Table 7

KEY:

SSI

SSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Delaware County Sanitary Landfill

Permit No. 28-SDP-01-74C

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-24	Zinc	9/6/2016	<8	11.2	4.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	3/6/2017	<8	11.2	4.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	6/15/2017	<20	11.2	4.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	9/5/2017	<8	11.2	4.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	3/2/2018	<8	11.2	4.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	9/4/2018	31.2	11.2	0.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	3/27/2019	<8	19.0	0.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	9/7/2019	<8	19.0	0.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	3/30/2020	<20	19.0	0.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	9/1/2020	<20	19.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	3/3/2021	<20	19.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	9/10/2021	<20	19.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	3/4/2022	<20	19.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	9/2/2022	<20	19.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	3/21/2023	<20	19.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	9/26/2023	<20	19.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	3/1/2024	<20	20.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	9/11/2024	<20	20.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	3/17/2025	<20	20.0	10.000	2000	9/4/2018	N/A	9/5/2017
MW-24	Zinc	9/17/2025	6.2	20.0	10.000	2000	9/4/2018	N/A	9/5/2017

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

KEY:

SSI

SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-24	cis-1,2-dichloroethylene	10/12/2016	3.80	1.00	---	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	3/6/2017	4.00	1.00	---	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	6/15/2017	2.40	1.00	---	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	9/5/2017	<1.0	1.00	0.775	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	3/2/2018	3.90	1.00	0.772	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	9/4/2018	3.70	1.00	0.784	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	3/27/2019	3.50	1.00	1.008	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	9/7/2019	1.00	1.00	1.425	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	3/30/2020	2.00	1.00	1.042	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	9/1/2020	1.10	1.00	0.538	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	3/3/2021	3.70	1.00	0.479	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	9/10/2021	3.10	1.00	1.115	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	3/4/2022	3.00	1.00	1.400	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	9/2/2022	2.30	1.00	2.350	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	3/21/2023	2.50	1.00	2.271	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	9/26/2023	1.20	1.00	1.357	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	3/1/2024	1.80	1.00	1.135	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	9/11/2024	1.60	1.00	1.267	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	3/17/2025	2.70	1.00	1.079	70	10/12/2016	N/A	9/5/2017
MW-24	cis-1,2-dichloroethylene	9/17/2025	<1.0	1.00	0.587	70	10/12/2016	N/A	9/5/2017

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-24	trans-1,2-dichloroethylene	9/6/2016	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	3/6/2017	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	6/15/2017	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	9/5/2017	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	3/2/2018	3.70	1.0	0.000	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	9/4/2018	<1.0	1.0	0.000	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	3/27/2019	<1.0	1.0	0.000	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	9/7/2019	<1.0	1.0	0.000	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	3/30/2020	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	9/1/2020	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	3/3/2021	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	9/10/2021	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	3/4/2022	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	9/2/2022	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	3/21/2023	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	9/26/2023	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	3/1/2024	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	9/11/2024	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	3/17/2025	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017
MW-24	trans-1,2-dichloroethylene	9/17/2025	<1.0	1.0	0.500	100	3/2/2018	N/A	9/5/2017

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

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-25	Barium	10/12/2016	175.00	242.83	---	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	3/6/2017	220.00	242.83	---	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	9/5/2017	156.00	242.83	---	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	3/2/2018	170.00	242.83	147.675	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	9/4/2018	180.00	234.26	149.165	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	3/27/2019	218.00	225.60	149.76	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	9/7/2019	205.00	222.29	167.241	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	3/30/2020	325.00	216.41	156.748	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	6/2/2020	232.00	216.41	156.748	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	9/1/2020	244.00	216.13	190.753	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	3/3/2021	279.00	212.61	220.905	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	9/10/2021	263.00	209.47	230.117	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	3/4/2022	294.00	211.59	244.753	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	9/2/2022	264.00	229.92	257.792	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	3/21/2023	279.00	224.46	257.792	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	9/26/2023	252.00	221.95	250.809	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	3/1/2024	306.00	208.13	247.859	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	9/11/2024	320.00	209.48	253.839	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	3/17/2025	301.00	208.98	259.917	2000	3/30/2020	N/A	9/4/2018
MW-25	Barium	9/17/2025	301.00	210.23	296.435	2000	3/30/2020	N/A	9/4/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-25	1,1-dichloropropene	10/12/2016	NT	1.0	---	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	3/6/2017	NT	1.0	---	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	9/5/2017	NT	1.0	---	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	3/2/2018	NT	1.0	---	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	9/4/2018	NT	1.0	---	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	3/27/2019	NT	1.0	---	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	9/7/2019	NT	1.0	---	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	3/30/2020	NT	1.0	---	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	6/2/2020	NT	1.0	---	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	9/1/2020	<1.0	1.0	---	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	3/3/2021	NT	1.0	---	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	9/10/2021	4.50	1.0	---	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	3/4/2022	<1.0	1.0	---	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	9/2/2022	<1.0	1.0	0.000	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	3/21/2023	<1.0	1.0	0.000	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	9/26/2023	NT	1.0	0.000	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	3/1/2024	NT	1.0	0.000	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	9/11/2024	NT	1.0	0.000	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	3/17/2025	NT	1.0	0.000	NA	9/10/2021	N/A	9/4/2018
MW-25	1,1-dichloropropene	9/17/2025	NT	1.0	0.000	NA	9/10/2021	N/A	9/4/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

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-25	bis (2-ethylhexyl) phthalate	10/12/2016	NT	6.00	---	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	3/6/2017	NT	6.00	---	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	9/5/2017	NT	6.00	---	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	3/2/2018	NT	6.00	---	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	9/4/2018	NT	6.00	---	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	3/27/2019	NT	6.00	---	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	9/7/2019	NT	6.00	---	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	3/30/2020	NT	6.00	---	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	6/2/2020	NT	6.00	---	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	9/1/2020	6.00	6.00	---	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	3/3/2021	NT	6.00	---	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	9/10/2021	9.00	6.00	---	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	3/4/2022	<6.0	6.00	---	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	9/2/2022	<6.0	6.00	1.871	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	3/21/2023	<6.0	6.00	1.871	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	9/26/2023	NT	6.00	1.871	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	3/1/2024	NT	6.00	1.871	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	9/11/2024	NT	6.00	1.871	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	3/17/2025	NT	6.00	1.871	6.00	9/10/2021	N/A	9/4/2018
MW-25	bis (2-ethylhexyl) phthalate	9/17/2025	NT	6.00	1.871	6.00	9/10/2021	N/A	9/4/2018

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

Table 8 - Summary of Ongoing and Newly Identified SSL

Table 8
Summary of Ongoing & Newly Identified SSL
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

KEY:	SSI	SSL UCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW-8	Arsenic	9/6/2016	5.30	5.492	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	3/6/2017	<4.0	5.316	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	9/5/2017	<4.0	4.766	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	3/2/2018	6.30	6.525	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	9/4/2018	<4.0	5.604	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	3/27/2019	<4.0	5.604	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	9/7/2019	4.50	6.166	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	3/30/2020	<4.0	4.095	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	9/1/2020	9.40	8.578	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	3/3/2021	7.20	9.559	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	9/10/2021	14.20	14.155	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	3/4/2022	15.40	16.125	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	9/2/2022	15.60	17.784	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	3/21/2023	14.60	15.727	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	9/26/2023	Dry	15.727	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	3/1/2024	15.40	15.772	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	6/13/2024	4.90	15.772	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	9/11/2024	<4.0	27.092	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	3/17/2025	16.00	27.455	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	7/14/2025	12.20	27.455	10	N/A	N/A	N/A	N/A
MW-8	Arsenic	9/17/2025	13.80	18.292	10	N/A	N/A	N/A	N/A

Table 8
Summary of Ongoing & Newly Identified SSL
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

KEY:	SSI	SSL UCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW-8	Cobalt	9/6/2016	25.10	---	2.8	N/A	N/A	N/A	N/A
MW-8	Cobalt	3/6/2017	15.30	27.815	2.8	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	9/5/2017	13.20	24.882	2.8	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	3/2/2018	15.00	23.479	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	9/4/2018	1.60	18.940	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	3/27/2019	1.80	16.366	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	9/7/2019	9.60	14.652	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	3/30/2020	3.60	8.553	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	9/1/2020	13.10	13.196	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	3/3/2021	22.10	21.199	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	9/10/2021	10.40	21.309	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	3/4/2022	11.70	20.558	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	9/2/2022	8.20	20.359	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	3/21/2023	11.30	12.240	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	9/26/2023	Dry	12.240	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	3/1/2024	6.90	12.286	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	6/13/2024	12.40	12.286	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	9/11/2024	3.60	12.910	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	3/17/2025	9.20	11.903	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	7/14/2025	9.30	11.903	2.2	3/6/2017	N/A	N/A	N/A
MW-8	Cobalt	9/17/2025	8.00	10.680	2.2	3/6/2017	N/A	N/A	N/A

Table 8

Summary of Ongoing & Newly Identified SSL

Annual Water Quality Report

Delaware County Sanitary Landfill

Permit No. 28-SDP-01-74C

KEY:

SSI

SSL UCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW-8	Nickel	9/6/2016	49.80	---	100	N/A	N/A	N/A	N/A
MW-8	Nickel	3/6/2017	34.50	---	100	N/A	N/A	N/A	N/A
MW-8	Nickel	9/5/2017	38.90	50.598	100	N/A	N/A	N/A	N/A
MW-8	Nickel	3/2/2018	45.40	50.133	100	N/A	N/A	N/A	N/A
MW-8	Nickel	9/4/2018	26.10	45.753	100	N/A	N/A	N/A	N/A
MW-8	Nickel	3/27/2019	25.90	45.479	100	N/A	N/A	N/A	N/A
MW-8	Nickel	9/7/2019	53.10	53.842	100	N/A	N/A	N/A	N/A
MW-8	Nickel	3/30/2020	32.70	49.540	100	N/A	N/A	N/A	N/A
MW-8	Nickel	9/1/2020	95.10	88.349	100	N/A	N/A	N/A	N/A
MW-8	Nickel	3/3/2021	152.00	145.213	100	N/A	N/A	N/A	N/A
MW-8	Nickel	9/10/2021	177.00	189.763	100	N/A	N/A	N/A	N/A
MW-8	Nickel	3/4/2022	213.00	217.585	100	N/A	N/A	N/A	N/A
MW-8	Nickel	9/2/2022	203.00	218.498	100	N/A	N/A	N/A	N/A
MW-8	Nickel	3/21/2023	200.00	216.151	100	N/A	N/A	N/A	N/A
MW-8	Nickel	9/26/2023	Dry	216.151	100	N/A	N/A	N/A	N/A
MW-8	Nickel	3/1/2024	126.00	232.615	100	N/A	N/A	N/A	N/A
MW-8	Nickel	6/13/2024	160.00	232.615	100	N/A	N/A	N/A	N/A
MW-8	Nickel	9/11/2024	5.00	221.073	100	N/A	N/A	N/A	N/A
MW-8	Nickel	3/17/2025	134.00	186.635	100	N/A	N/A	N/A	N/A
MW-8	Nickel	7/14/2025	160.00	186.635	100	N/A	N/A	N/A	N/A
MW-8	Nickel	9/17/2025	133.00	190.099	100	N/A	N/A	N/A	N/A

Table 9 – Analytical Data Summary

Table 9

Analytical Data Summary for MW-11

Constituents	Units	7/14/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	20.6	<10.0
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2.0	2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic, total	ug/L	5.2	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	ug/L	229.0	152.0	120.0	102.0	111.0	123.0	123.0	96.8	112.0
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	.9	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	9.1	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	29.6	7.0	1.4	<.8	<.8	2.0	<.8	<.8	<.8
Copper, total	ug/L	22.3	6.4	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	7.8	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	46.7	17.9	7.0	<4.0	<4.0	6.1	17.4	<4.0	<4.0
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	27	27	29	29	29	29	29	29	29
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	30.7	12.6	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-11

Constituents	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10.0	<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	<5
Antimony, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	111.0	116.0	106.0	107.0	94.8	130.0	98.6	113.0	87.1	113.0
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	<.4	<.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	<4.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl iodide	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended										
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	12.1	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-11

Constituents	9/26/2023	9/11/2024	3/17/2025	9/17/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5
Acetone	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5
Antimony, total	<2.0	<2.0	<2.0	<1.0
Arsenic, total	<4.0	<4.0	<4.0	<2.0
Barium, total	108.0	123.0	127.0	114.0
Benzene	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<.5
Bromochloromethane	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1
Cadmium, total	2.1	<.8	<.8	.2
Carbon disulfide	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	2.5
Cis-1,2-dichloroethylene	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1
Cobalt, total	<.4	<.4	<.4	<.5
Copper, total	<4.0	<4.0	<4.0	<5.0
Dibromochloromethane	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1
Lead, total	<4.0	<4.0	<4.0	<1.0
Methyl iodide	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	<5.0
Selenium, total	<4	<4	<4	<2
Silver, total	<4	<4	<4	<5
Solids, total suspended				
Styrene	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<.5
Toluene	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	11.0

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

Table 9

Analytical Data Summary for MW-20

Constituents	Units	4/11/2014	7/14/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5.0	<5.0	<5.0	<5.0	9.7	<5.0	<5.0	<5.0	<5.0
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4.0	4.6	5.6	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	ug/L	163.0	254.0	343.0	175.0	194.0	107.0	210.0	109.0	177.0
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	1.0	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	14.6	13.9	<8.0	<8.0	<8.0	<8.0	<8.0	8.7
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	5.1	6.9	11.6	<.8	2.1	<.8	<.8	<.8	2.2
Copper, total	ug/L	9.7	16.9	18.7	<4.0	<4.0	<4.0	4.9	<4.0	<4.0
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4.0	8.1	7.5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	16.8	21.8	38.3	<4.0	4.6	<4.0	4.5	<4.0	10.5
Selenium, total	ug/L	<4.0	4.0	<4.0	<4.0	<4.0	<4.0	5.2	<4.0	<4.0
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L			30	29					
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20.0	23.5	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	29.3	50.2	40.4	<8.0	<8.0	<8.0	10.7	<8.0	11.2

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

Table 9

Analytical Data Summary for MW-20

Constituents	3/2/2018	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	73.2	148.0	121.0	159.0	122.0	166.0	91.0	137.0	181.0	146.0
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	<.8	.8	<.4	<.4	<.4	<.4
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	5.3	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl iodide	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	4.4	4.9	4.6	<4.0	5.2	8.8	<4.0	<4.0	4.6	4.1
Selenium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended										
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	<20.0	19.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-20

Constituents	3/21/2023	3/1/2024	4/8/2024	9/11/2024	3/17/2025	9/17/2025
1,1,1,2-tetrachloroethane	<1	<1		<1	<1	<1
1,1,1-trichloroethane	<1	<1		<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1		<1	<1	<1
1,1,2-trichloroethane	<1	<1		<1	<1	<1
1,1-dichloroethane	<1	<1		<1	<1	<1
1,1-dichloroethylene	<1	<1		<1	<1	<1
1,2,3-trichloropropane	<1	<1		<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5		<5	<5	<5
1,2-dibromoethane	<1	<1		<1	<1	<1
1,2-dichlorobenzene	<1	<1		<1	<1	<1
1,2-dichloroethane	<1	<1		<1	<1	<1
1,2-dichloropropane	<1	<1		<1	<1	<1
1,4-dichlorobenzene	<1	<1		<1	<1	<1
2-butanone (mek)	<10	<10		<10	<10	<10
2-hexanone (mbk)	<5	<5		<5	<5	<5
4-methyl-2-pentanone (mibk)	<5.0	<5.0		<5.0	<5.0	<5.0
Acetone	<10	<10		<10	<10	<10
Acrylonitrile	<5	<5		<5	<5	<5
Antimony, total	<2	<2		<2	<2	<1
Arsenic, total	<4.0	<4.0		<4.0	<4.0	<2.0
Barium, total	123.0	175.0		178.0	68.7	179.0
Benzene	<1	<1		<1	<1	<1
Beryllium, total	<4.0	<4.0		<4.0	<4.0	<.5
Bromochloromethane	<1	<1		<1	<1	<1
Bromodichloromethane	<1	<1		<1	<1	<1
Bromoform	<1	<1		<1	<1	<1
Bromomethane	<1	<1		<1	<1	<1
Cadmium, total	<.8	<.8		<.8	<.8	.2
Carbon disulfide	<1	<1		<1	<1	<1
Carbon tetrachloride	<1	<1		<1	<1	<1
Chlorobenzene	<1	<1		<1	<1	<1
Chloroethane	<1	<1		<1	<1	<1
Chloroform	<1	<1		<1	<1	<1
Chloromethane	<1	<1		<1	<1	<1
Chromium, total	<8.0	<8.0		<8.0	<8.0	5.3
Cis-1,2-dichloroethylene	<1	<1		<1	<1	<1
Cis-1,3-dichloropropene	<1	<1		<1	<1	<1
Cobalt, total	.7	<.4		<.4	<.4	<.5
Copper, total	<4.0	<4.0		<4.0	<4.0	<5.0
Dibromochloromethane	<1	<1		<1	<1	<1
Dibromomethane	<1	<1		<1	<1	<1
Ethylbenzene	<1	<1		<1	<1	<1
Lead, total	<4.0	<4.0		<4.0	<4.0	<1.0
Methyl iodide	<1	<1		<1	<1	<1
Methylene chloride	<5	<5		<5	<5	<5
Nickel, total	4.5	6.2		<4.0	<4.0	<5.0
Selenium, total	4.1	<4.0		<4.0	<4.0	2.4
Silver, total	<4	<4		<4	<4	<5
Solids, total suspended						
Styrene	<1	<1		<1	<1	<1
Tetrachloroethylene	<1.0	2.4	<1.0	<1.0	<1.0	<1.0
Thallium, total	<2.0	<2.0		<2.0	<2.0	<.5
Toluene	<1	<1		<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1		<1	<1	<1
Trans-1,3-dichloropropene	<1	<1		<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5		<5	<5	<5
Trichloroethylene	<1	<1		<1	<1	<1
Trichlorofluoromethane	<1	<1		<1	<1	<1
Vanadium, total	<20.0	<20.0		<20.0	<20.0	<2.0
Vinyl acetate	<5	<5		<5	<5	<5
Vinyl chloride	<1	<1		<1	<1	<1
Xylenes, total	<2	<2		<2	<2	<2
Zinc, total	<20.0	<20.0		<20.0	<20.0	11.8

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

Table 9

Analytical Data Summary for MW-21

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
(3,4)-methylphenol	ug/L	<8								
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	1.6	1.7	3.0	<1.0	1.0	3.0	2.7	2.4	4.3
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L	<1								
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L	<8								
1,2,4-trichlorobenzene	ug/L	<1								
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L	<8								
1,3,5-trinitrobenzene	ug/L	<8								
1,3-dichlorobenzene	ug/L	<1								
1,3-dichloropropane	ug/L	<1								
1,3-dinitrobenzene	ug/L	<8								
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L	<8								
1,4-phenylenediamine	ug/L	<8								
1-naphthylamine	ug/L	<8								
2,2-dichloropropane	ug/L	<1								
2,3,4,6-tetrachlorophenol	ug/L	<8								
2,4,5-t	ug/L	<5								
2,4,5-tp (silvex)	ug/L	<5								
2,4,5-trichlorophenol	ug/L	<8								
2,4,6-trichlorophenol	ug/L	<8								
2,4-d	ug/L	<2								
2,4-dichlorophenol	ug/L	<8								
2,4-dimethylphenol	ug/L	<8								
2,4-dinitrophenol	ug/L	<8								
2,4-dinitrotoluene	ug/L	<8								
2,6-dichlorophenol	ug/L	<8								
2,6-dinitrotoluene	ug/L	<8								
2-acetylaminofluorene	ug/L	<8								
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L	<8								
2-chlorophenol	ug/L	<8								
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L	<8								
2-methylphenol	ug/L	<8								
2-naphthylamine	ug/L	<8								
2-nitroaniline	ug/L	<8								
2-nitrophenol	ug/L	<8								
3,3'-dichlorobenzidine	ug/L	<8								
3,3'-dimethylbenzidine	ug/L	<8								
3-methylcholanthrene	ug/L	<8								
3-nitroaniline	ug/L	<8								
4,4'-ddd	ug/L	<.05								
4,4'-dde	ug/L	<.05								
4,4'-ddt	ug/L	<.05								
4,6-dinitro-2-methylphenol	ug/L	<8								
4-aminobiphenyl	ug/L	<8								
4-bromophenyl phenyl ether	ug/L	<8								
4-chloro-3-methylphenol	ug/L	<8								
4-chloroaniline	ug/L	<8								
4-chlorophenyl phenyl ether	ug/L	<8								
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L	<8								
4-nitrophenol	ug/L	<8								
5-nitro-o-toluidine	ug/L	<8								
7,12-dimethylbenz(a)anthracene	ug/L	<8								
Acenaphthene	ug/L	<8								
Acenaphthylene	ug/L	<8								
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	17	<10
Acetonitrile	ug/L	<10								
Acetophenone	ug/L	<8								
Acrolein	ug/L	<10								
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L	<.05								
Allyl chloride	ug/L	<1								
Alpha-bhc	ug/L	<.05								
Anthracene	ug/L	<8								

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

Table 9

Analytical Data Summary for MW-21

Constituents	4/10/2018	3/27/2019	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023	9/26/2023	3/1/2024
(3,4)-methylphenol									<8
1,1,1,2-tetrachloroethane		<1						<1	<1
1,1,1-trichloroethane		<1						<1	<1
1,1,2,2-tetrachloroethane		<1						<1	<1
1,1,2-trichloroethane		<1						<1	<1
1,1-dichloroethane		2.5						5.0	3.3
1,1-dichloroethylene		<1						<1	<1
1,1-dichloropropene									<1
1,2,3-trichloropropane		<1						<1	<1
1,2,4,5-tetrachlorobenzene									<8
1,2,4-trichlorobenzene									<1
1,2-dibromo-3-chloropropane		<1						<5	<1
1,2-dibromoethane		<1						<1	<1
1,2-dichlorobenzene		<1						<1	<1
1,2-dichloroethane		<1						<1	<1
1,2-dichloropropane		<1						<1	<1
1,2-dinitrobenzene									<8
1,3,5-trinitrobenzene									<8
1,3-dichlorobenzene									<1
1,3-dichloropropane									<1
1,3-dinitrobenzene									<8
1,4-dichlorobenzene		<1						<1	<1
1,4-naphthoquinone									<8
1,4-phenylenediamine									<8
1-naphthylamine									<8
2,2-dichloropropane									<1
2,3,4,6-tetrachlorophenol									<8
2,4,5-t									<.5
2,4,5-tp (silvex)									<.5
2,4,5-trichlorophenol									<8
2,4,6-trichlorophenol									<8
2,4-d									<2
2,4-dichlorophenol									<8
2,4-dimethylphenol									<8
2,4-dinitrophenol									<8
2,4-dinitrotoluene									<8
2,6-dichlorophenol									<8
2,6-dinitrotoluene									<8
2-acetylaminofluorene									<8
2-butanone (mek)		<5						<10	<5
2-chloronaphthalene									<8
2-chlorophenol									<8
2-hexanone (mbk)		<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
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
Acetonitrile									<10
Acetophenone									<8
Acrolein									<10
Acrylonitrile		<5						<5	<5
Aldrin									<.05
Allyl chloride									<1
Alpha-bhc									<.05
Anthracene									<8

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

Table 9

Analytical Data Summary for MW-21

Constituents	9/11/2024	3/17/2025	9/17/2025
(3,4)-methylphenol			
1,1,1,2-tetrachloroethane	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1
1,1-dichloroethane	2.5	2.7	2.4
1,1-dichloroethylene	<1	<1	<1
1,1-dichloropropene			
1,2,3-trichloropropane	<1	<1	<1
1,2,4,5-tetrachlorobenzene			
1,2,4-trichlorobenzene			
1,2-dibromo-3-chloropropane	<5	<5	<5
1,2-dibromoethane	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1
1,2-dichloroethane	<1	<1	<1
1,2-dichloropropane	<1	<1	<1
1,2-dinitrobenzene			
1,3,5-trinitrobenzene			
1,3-dichlorobenzene			
1,3-dichloropropane			
1,3-dinitrobenzene			
1,4-dichlorobenzene	<1	<1	<1
1,4-naphthoquinone			
1,4-phenylenediamine			
1-naphthylamine			
2,2-dichloropropane			
2,3,4,6-tetrachlorophenol			
2,4,5-t			
2,4,5-tp (silvex)			
2,4,5-trichlorophenol			
2,4,6-trichlorophenol			
2,4-d			
2,4-dichlorophenol			
2,4-dimethylphenol			
2,4-dinitrophenol			
2,4-dinitrotoluene			
2,6-dichlorophenol			
2,6-dinitrotoluene			
2-acetylaminofluorene			
2-butanone (mek)	<10	<10	<10
2-chloronaphthalene			
2-chlorophenol			
2-hexanone (mbk)	<5	<5	<5
2-methylnaphthalene			
2-methylphenol			
2-naphthylamine			
2-nitroaniline			
2-nitrophenol			
3,3'-dichlorobenzidine			
3,3'-dimethylbenzidine			
3-methylcholanthrene			
3-nitroaniline			
4,4'-ddd			
4,4'-dde			
4,4'-ddt			
4,6-dinitro-2-methylphenol			
4-aminobiphenyl			
4-bromophenyl phenyl ether			
4-chloro-3-methylphenol			
4-chloroaniline			
4-chlorophenyl phenyl ether			
4-methyl-2-pentanone (mibk)	<5	<5	<5
4-nitroaniline			
4-nitrophenol			
5-nitro-o-toluidine			
7,12-dimethylbenz(a)anthracene			
Acenaphthene			
Acenaphthylene			
Acetone	<10	<10	<10
Acetonitrile			
Acetophenone			
Acrolein			
Acrylonitrile	<5	<5	<5
Aldrin			
Allyl chloride			
Alpha-bhc			
Anthracene			

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

Table 9

Analytical Data Summary for MW-21

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L	<1								
Arochlor 1221	ug/L	<2								
Arochlor 1232	ug/L	<2								
Arochlor 1242	ug/L	<2								
Arochlor 1248	ug/L	<2								
Arochlor 1254	ug/L	<1								
Arochlor 1260	ug/L	<1								
Arsenic, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	16.9
Azobenzene	ug/L	<8								
Barium, total	ug/L	215	199	193	186	179	263	200	191	468
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L	<8								
Benzo(a)pyrene	ug/L	<8								
Benzo(b)fluoranthene	ug/L	<8								
Benzo(g,h,i)perylene	ug/L	<8								
Benzo(k)fluoranthene	ug/L	<8								
Benzyl alcohol	ug/L	<8								
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L	<.05								
Bis (2-chloroethoxy) methane	ug/L	<8								
Bis(2-chloroethyl) ether	ug/L	<8								
Bis(2-chloroisopropyl) ether	ug/L	<8								
Bis(2-ethylhexyl)phthalate	ug/L	<8								
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L	<8								
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	1.1
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L	<1								
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L	<8								
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L	<1								
Chromium, total	ug/L	8.5	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	55.0
Chrysene	ug/L	<8								
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<4.0	.8	<.8	<.8	<.8	<.8	<.8	<.8	21.0
Copper, total	ug/L	5.7	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	46.1
Cyanide, total	mg/L	<.005								
Delta-bhc	ug/L	<.05								
Diallate	ug/L	<8								
Dibenzo(a,h)anthracene	ug/L	<8								
Dibenzofuran	ug/L	<8								
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1.0				<1.0	2.8	1.3	1.2	3.1
Dieldrin	ug/L	<.05								
Diethyl phthalate	ug/L	<8								
Dimethoate	ug/L	<.4								
Dimethylphthalate	ug/L	<8								
Di-n-butyl phthalate	ug/L	<8								
Di-n-octyl phthalate	ug/L	<8								
Dinoseb	ug/L	<.5								
Diphenylamine	ug/L	<8								
Disulfoton	ug/L	<.4								
Endosulfan i	ug/L	<.05								
Endosulfan ii	ug/L	<.05								
Endosulfan sulfate	ug/L	<.05								
Endrin	ug/L	<.05								
Endrin aldehyde	ug/L	<.05								
Ethyl methacrylate	ug/L	<10								
Ethyl methanesulfonate	ug/L	<8								
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L	<.4								
Fluoranthene	ug/L	<8								
Fluorene	ug/L	<8								
Gamma-bhc (lindane)	ug/L	<.05								
Heptachlor	ug/L	<.05								
Heptachlor epoxide	ug/L	<.05								
Hexachlorobenzene	ug/L	<4.03 *								

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

Table 9

Analytical Data Summary for MW-21

Constituents	4/10/2018	3/27/2019	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023	9/26/2023	3/1/2024
Antimony, total	<2	<2						<2	<2
Arochlor 1016									<.2
Arochlor 1221									<.2
Arochlor 1232									<.2
Arochlor 1242									<.2
Arochlor 1248									<.2
Arochlor 1254									<.2
Arochlor 1260									<.2
Arsenic, total	<4.0	<4.0						<4.0	<4.0
Azobenzene									<8
Barium, total	192	220						213	210
Benzene		<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
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
Bromodichloromethane		<1						<1	<1
Bromoform		<1						<1	<1
Bromomethane		<1						<1	<1
Butyl benzyl phthalate									<8
Cadmium, total	<.8	<.8						<.8	<.8
Carbon disulfide		<1						<1	<1
Carbon tetrachloride		<1						<1	<1
Chlordane									<.1
Chlorobenzene		<1						<1	<1
Chlorobenzilate									<8
Chloroethane		<1						<1	<1
Chloroform		<1						<1	<1
Chloromethane		<1						<1	<1
Chloroprene									<1
Chromium, total	<8.0	<8.0						<8.0	<8.0
Chrysene									<8
Cis-1,2-dichloroethylene		<1						<1	<1
Cis-1,3-dichloropropene		<1						<1	<1
Cobalt, total	<.8	<.8	<.4	<.4	<.4	.6	<.4	<.4	<.4
Copper, total	<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
Dibromomethane		<1						<1	<1
Dichlorodifluoromethane									2.0
Dieldrin									<.05
Diethyl phthalate									<8
Dimethoate									<.4
Dimethylphthalate									<8
Di-n-butyl phthalate									<8
Di-n-octyl phthalate									<8
Dinoseb									<.5
Diphenylamine									<8
Disulfoton									<.4
Endosulfan i									<.05
Endosulfan ii									<.05
Endosulfan sulfate									<.05
Endrin									<.05
Endrin aldehyde									<.05
Ethyl methacrylate									<10
Ethyl methanesulfonate									<8
Ethylbenzene		<1						<1	<1
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-21

Constituents	9/11/2024	3/17/2025	9/17/2025
Antimony, total	<2	<2	<1
Arochlor 1016			
Arochlor 1221			
Arochlor 1232			
Arochlor 1242			
Arochlor 1248			
Arochlor 1254			
Arochlor 1260			
Arsenic, total	<4.0	<4.0	<2.0
Azobenzene			
Barium, total	203	205	192
Benzene	<1	<1	<1
Benzo(a)anthracene			
Benzo(a)pyrene			
Benzo(b)fluoranthene			
Benzo(g,h,i)perylene			
Benzo(k)fluoranthene			
Benzyl alcohol			
Beryllium, total	<4.0	<4.0	<.5
Beta-bhc			
Bis (2-chloroethoxy) methane			
Bis(2-chloroethyl) ether			
Bis(2-chloroisopropyl) ether			
Bis(2-ethylhexyl)phthalate			
Bromochloromethane	<1	<1	<1
Bromodichloromethane	<1	<1	<1
Bromoform	<1	<1	<1
Bromomethane	<1	<1	<1
Butyl benzyl phthalate			
Cadmium, total	<.8	<.8	<.2
Carbon disulfide	<1	<1	<1
Carbon tetrachloride	<1	<1	<1
Chlordane			
Chlorobenzene	<1	<1	<1
Chlorobenzilate			
Chloroethane	<1	<1	<1
Chloroform	<1	<1	<1
Chloromethane	<1	<1	<1
Chloroprene			
Chromium, total	<8.0	<8.0	3.0
Chrysene			
Cis-1,2-dichloroethylene	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1
Cobalt, total	<.4	<.4	<.5
Copper, total	<4.0	<4.0	<5.0
Cyanide, total			
Delta-bhc			
Diallate			
Dibenzo(a,h)anthracene			
Dibenzofuran			
Dibromochloromethane	<1	<1	<1
Dibromomethane	<1	<1	<1
Dichlorodifluoromethane	<1.0	<1.0	<1.0
Dieldrin			
Diethyl phthalate			
Dimethoate			
Dimethylphthalate			
Di-n-butyl phthalate			
Di-n-octyl phthalate			
Dinoseb			
Diphenylamine			
Disulfoton			
Endosulfan i			
Endosulfan ii			
Endosulfan sulfate			
Endrin			
Endrin aldehyde			
Ethyl methacrylate			
Ethyl methanesulfonate			
Ethylbenzene	<1	<1	<1
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-21

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
Hexachlorobutadiene	ug/L	<8								
Hexachlorocyclopentadiene	ug/L	<8								
Hexachloroethane	ug/L	<8								
Hexachloropropene	ug/L	<8								
Indeno(1,2,3-cd)pyrene	ug/L	<8								
Isobutanol	mg/L	<1								
Isodrin	ug/L	<8								
Isophorone	ug/L	<8								
Isosafrole	ug/L	<8								
Kepone	ug/L	<8								
Lead, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	20.5
Mercury, total	ug/L	<.5								
Methacrylonitrile	ug/L	<1								
Methapyrilene	ug/L	<8								
Methoxychlor	ug/L	<.05								
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L	<1								
Methyl methanesulfonate	ug/L	<8								
Methyl parathion	ug/L	<4								
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L	<8								
Nickel, total	ug/L	7.5	4.1	<4.0	<4.0	<4.0	<4.0	6.3	<4.0	64.1
Nitrobenzene	ug/L	<8								
N-nitrosodiethylamine	ug/L	<8								
N-nitrosodimethylamine	ug/L	<8								
N-nitrosodi-n-butylamine	ug/L	<8								
N-nitroso-di-n-propylamine	ug/L	<8								
N-nitrosodiphenylamine	ug/L	<8								
N-nitrosomethylethylamine	ug/L	<8								
N-nitrosopiperidine	ug/L	<8								
N-nitrosopyrrolidine	ug/L	<8								
O,o,o-triethyl phosphorothioate	ug/L	<4								
O-toluidine	ug/L	<8								
Parathion	ug/L	<4								
P-dimethylaminoazobenzene	ug/L	<8								
Pentachlorobenzene	ug/L	<8								
Pentachloronitrobenzene (pcnb)	ug/L	<8								
Pentachlorophenol	ug/L	<8								
Phenacetin	ug/L	<8								
Phenanthrene	ug/L	<8								
Phenol	ug/L	<8								
Phorate	ug/L	<4								
Pronamide	ug/L	<8								
Propionitrile	ug/L	<10								
Pyrene	ug/L	<8								
Safrole	ug/L	<8								
Selenium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	4.6
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	26		40						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L	.24								
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L	<4								
Tin, total	ug/L	<20								
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L	<2								
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	76.8
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	56.5	22.3	35.3	34.3	68.0	39.8	36.4	29.6	1460.0

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

Table 9

Analytical Data Summary for MW-21

Constituents	4/10/2018	3/27/2019	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023	9/26/2023	3/1/2024
Hexachlorobutadiene									<8
Hexachlorocyclopentadiene									<8
Hexachloroethane									<8
Hexachloropropene									<8
Indeno(1,2,3-cd)pyrene									<8
Isobutanol									<1
Isodrin									<8
Isophorone									<8
Isosafrole									<8
Kepone									<8
Lead, total	<4.0	<4.0						<4.0	<4.0
Mercury, total									<.5
Methacrylonitrile									<1
Methapyrilene									<8
Methoxychlor									<.05
Methyl iodide		<1						<1	<2
Methyl methacrylate									<1
Methyl methanesulfonate									<8
Methyl parathion									<.4
Methylene chloride		<5						<5	<5
Naphthalene									<8
Nickel, total	<4.0	<4.0						<4.0	4.3
Nitrobenzene									<8
N-nitrosodiethylamine									<8
N-nitrosodimethylamine									<8
N-nitrosodi-n-butylamine									<8
N-nitroso-di-n-propylamine									<8
N-nitrosodiphenylamine									<8
N-nitrosomethylethylamine									<8
N-nitrosopiperidine									<8
N-nitrosopyrrolidine									<8
O,o,o-triethyl phosphorothioate									<.4
O-toluidine									<8
Parathion									<.4
P-dimethylaminoazobenzene									<8
Pentachlorobenzene									<8
Pentachloronitrobenzene (pcnb)									<8
Pentachlorophenol									<8
Phenacetin									<8
Phenanthrene									<8
Phenol									<8
Phorate									<.4
Pronamide									<8
Propionitrile									<10
Pyrene									<8
Safrole									<8
Selenium, total	<4.0	<4.0						<4.0	<4.0
Silver, total	<4	<4						<4	<4
Solids, total suspended									
Styrene		<1						<1	<1
Sulfide, total									<.10
Tetrachloroethylene		<1						<1	<1
Thallium, total	<4.0	<2.0						<2.0	<2.0
Thionazin									<.4
Tin, total									<20
Toluene		<1						<1	<1
Toxaphene									<.2
Trans-1,2-dichloroethylene		<1						<1	<1
Trans-1,3-dichloropropene		<1						<1	<1
Trans-1,4-dichloro-2-butene		<5						<5	<5
Trichloroethylene		<1						<1	<1
Trichlorofluoromethane		<1						<1	<1
Vanadium, total	<20.0	<20.0						<20.0	<20.0
Vinyl acetate		<5						<5	<5
Vinyl chloride		<1						<1	<1
Xylenes, total		<2						<2	<2
Zinc, total	31.8	38.4						35.7	20.9

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

Table 9

Analytical Data Summary for MW-21

Constituents	9/11/2024	3/17/2025	9/17/2025
Hexachlorobutadiene			
Hexachlorocyclopentadiene			
Hexachloroethane			
Hexachloropropene			
Indeno(1,2,3-cd)pyrene			
Isobutanol			
Isodrin			
Isophorone			
Isosafrole			
Kepone			
Lead, total	<4.0	<4.0	<1.0
Mercury, total			
Methacrylonitrile			
Methapyrilene			
Methoxychlor			
Methyl iodide	<1	<1	<1
Methyl methacrylate			
Methyl methanesulfonate			
Methyl parathion			
Methylene chloride	<5	<5	<5
Naphthalene			
Nickel, total	<4.0	<4.0	<5.0
Nitrobenzene			
N-nitrosodiethylamine			
N-nitrosodimethylamine			
N-nitrosodi-n-butylamine			
N-nitroso-di-n-propylamine			
N-nitrosodiphenylamine			
N-nitrosomethylethylamine			
N-nitrosopiperidine			
N-nitrosopyrrolidine			
O,o,o-triethyl phosphorothioate			
O-toluidine			
Parathion			
P-dimethylaminoazobenzene			
Pentachlorobenzene			
Pentachloronitrobenzene (pcnb)			
Pentachlorophenol			
Phenacetin			
Phenanthrene			
Phenol			
Phorate			
Pronamide			
Propionitrile			
Pyrene			
Safrole			
Selenium, total	<4.0	<4.0	<2.0
Silver, total	<4	<4	<5
Solids, total suspended			
Styrene	<1	<1	<1
Sulfide, total			
Tetrachloroethylene	<1	<1	<1
Thallium, total	<2.0	<2.0	<.5
Thionazin			
Tin, total			
Toluene	<1	<1	<1
Toxaphene			
Trans-1,2-dichloroethylene	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5
Trichloroethylene	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1
Vanadium, total	<20.0	<20.0	<2.0
Vinyl acetate	<5	<5	<5
Vinyl chloride	<1	<1	<1
Xylenes, total	<2	<2	<2
Zinc, total	526.0	54.5	23.3

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

Table 9

Analytical Data Summary for MW-22

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
(3,4)-methylphenol	ug/L	<8								
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	1.9	1.3	1.5	1.9	1.7	1.9	2.4	2.0	2.2
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L	<1								
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L	<8								
1,2,4-trichlorobenzene	ug/L	<1								
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L	<8								
1,3,5-trinitrobenzene	ug/L	<8								
1,3-dichlorobenzene	ug/L	<1								
1,3-dichloropropane	ug/L	<1								
1,3-dinitrobenzene	ug/L	<8								
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L	<8								
1,4-phenylenediamine	ug/L	<8								
1-naphthylamine	ug/L	<8								
2,2-dichloropropane	ug/L	<1								
2,3,4,6-tetrachlorophenol	ug/L	<8								
2,4,5-t	ug/L	<5								
2,4,5-tp (silvex)	ug/L	<5								
2,4,5-trichlorophenol	ug/L	<8								
2,4,6-trichlorophenol	ug/L	<8								
2,4-d	ug/L	<2								
2,4-dichlorophenol	ug/L	<8								
2,4-dimethylphenol	ug/L	<8								
2,4-dinitrophenol	ug/L	<8								
2,4-dinitrotoluene	ug/L	<8								
2,6-dichlorophenol	ug/L	<8								
2,6-dinitrotoluene	ug/L	<8								
2-acetylaminofluorene	ug/L	<8								
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L	<8								
2-chlorophenol	ug/L	<8								
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L	<8								
2-methylphenol	ug/L	<8								
2-naphthylamine	ug/L	<8								
2-nitroaniline	ug/L	<8								
2-nitrophenol	ug/L	<8								
3,3'-dichlorobenzidine	ug/L	<8								
3,3'-dimethylbenzidine	ug/L	<8								
3-methylcholanthrene	ug/L	<8								
3-nitroaniline	ug/L	<8								
4,4'-ddd	ug/L	<.06								
4,4'-dde	ug/L	<.06								
4,4'-ddt	ug/L	<.06								
4,6-dinitro-2-methylphenol	ug/L	<8								
4-aminobiphenyl	ug/L	<8								
4-bromophenyl phenyl ether	ug/L	<8								
4-chloro-3-methylphenol	ug/L	<8								
4-chloroaniline	ug/L	<8								
4-chlorophenyl phenyl ether	ug/L	<8								
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L	<8								
4-nitrophenol	ug/L	<8								
5-nitro-o-toluidine	ug/L	<8								
7,12-dimethylbenz(a)anthracene	ug/L	<8								
Acenaphthene	ug/L	<8								
Acenaphthylene	ug/L	<8								
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	17.9	<10.0
Acetonitrile	ug/L	<10								
Acetophenone	ug/L	<8								
Acrolein	ug/L	<10								
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L	<.06								
Allyl chloride	ug/L	<1								
Alpha-bhc	ug/L	<.06								
Anthracene	ug/L	<8								

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

Table 9

Analytical Data Summary for MW-22

Constituents	3/27/2019
(3,4)-methylphenol	
1,1,1,2-tetrachloroethane	<1
1,1,1-trichloroethane	<1
1,1,2,2-tetrachloroethane	<1
1,1,2-trichloroethane	<1
1,1-dichloroethane	1.9
1,1-dichloroethylene	<1
1,1-dichloropropene	
1,2,3-trichloropropane	<1
1,2,4,5-tetrachlorobenzene	
1,2,4-trichlorobenzene	
1,2-dibromo-3-chloropropane	<1
1,2-dibromoethane	<1
1,2-dichlorobenzene	<1
1,2-dichloroethane	<1
1,2-dichloropropane	<1
1,2-dinitrobenzene	
1,3,5-trinitrobenzene	
1,3-dichlorobenzene	
1,3-dichloropropane	
1,3-dinitrobenzene	
1,4-dichlorobenzene	<1
1,4-naphthoquinone	
1,4-phenylenediamine	
1-naphthylamine	
2,2-dichloropropane	
2,3,4,6-tetrachlorophenol	
2,4,5-t	
2,4,5-tp (silvex)	
2,4,5-trichlorophenol	
2,4,6-trichlorophenol	
2,4-d	
2,4-dichlorophenol	
2,4-dimethylphenol	
2,4-dinitrophenol	
2,4-dinitrotoluene	
2,6-dichlorophenol	
2,6-dinitrotoluene	
2-acetylaminofluorene	
2-butanone (mek)	<5
2-chloronaphthalene	
2-chlorophenol	
2-hexanone (mbk)	<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
4-nitroaniline	
4-nitrophenol	
5-nitro-o-toluidine	
7,12-dimethylbenz(a)anthracene	
Acenaphthene	
Acenaphthylene	
Acetone	<10.0
Acetonitrile	
Acetophenone	
Acrolein	
Acrylonitrile	<5
Aldrin	
Allyl chloride	
Alpha-bhc	
Anthracene	

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

Table 9

Analytical Data Summary for MW-22

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L	<.13								
Arochlor 1221	ug/L	<.26								
Arochlor 1232	ug/L	<.26								
Arochlor 1242	ug/L	<.26								
Arochlor 1248	ug/L	<.26								
Arochlor 1254	ug/L	<.13								
Arochlor 1260	ug/L	<.13								
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene	ug/L	<8								
Barium, total	ug/L	314	337	365	333	311	588	346	320	323
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L	<8								
Benzo(a)pyrene	ug/L	<8								
Benzo(b)fluoranthene	ug/L	<8								
Benzo(g,h,i)perylene	ug/L	<8								
Benzo(k)fluoranthene	ug/L	<8								
Benzyl alcohol	ug/L	<8								
Beryllium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Beta-bhc	ug/L	<.06								
Bis (2-chloroethoxy) methane	ug/L	<8								
Bis(2-chloroethyl) ether	ug/L	<8								
Bis(2-chloroisopropyl) ether	ug/L	<8								
Bis(2-ethylhexyl)phthalate	ug/L	<8								
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L	<8								
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L	<.13								
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L	<8								
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L	<1								
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L	<8								
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<4.0	2.1	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Copper, total	ug/L	<4.0	4.4	<4.0	<4.0	<4.0	4.2	<4.0	<4.0	<4.0
Cyanide, total	mg/L	<.005								
Delta-bhc	ug/L	<.06								
Diallate	ug/L	<8								
Dibenzo(a,h)anthracene	ug/L	<8								
Dibenzofuran	ug/L	<8								
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1								
Dieldrin	ug/L	<.06								
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	<.06								
Endosulfan ii	ug/L	<.06								
Endosulfan sulfate	ug/L	<.06								
Endrin	ug/L	<.06								
Endrin aldehyde	ug/L	<.06								
Ethyl methacrylate	ug/L	<10								
Ethyl methanesulfonate	ug/L	<8								
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L	<.4								
Fluoranthene	ug/L	<8								
Fluorene	ug/L	<8								
Gamma-bhc (lindane)	ug/L	<.06								
Heptachlor	ug/L	<.06								
Heptachlor epoxide	ug/L	<.06								
Hexachlorobenzene	ug/L	<4.03 *								

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

Table 9

Analytical Data Summary for MW-22

Constituents	3/27/2019
Antimony, total	<2
Arochlor 1016	
Arochlor 1221	
Arochlor 1232	
Arochlor 1242	
Arochlor 1248	
Arochlor 1254	
Arochlor 1260	
Arsenic, total	<4
Azobenzene	
Barium, total	311
Benzene	<1
Benzo(a)anthracene	
Benzo(a)pyrene	
Benzo(b)fluoranthene	
Benzo(g,h,i)perylene	
Benzo(k)fluoranthene	
Benzyl alcohol	
Beryllium, total	<4
Beta-bhc	
Bis (2-chloroethoxy) methane	
Bis(2-chloroethyl) ether	
Bis(2-chloroisopropyl) ether	
Bis(2-ethylhexyl)phthalate	
Bromochloromethane	<1
Bromodichloromethane	<1
Bromoform	<1
Bromomethane	<1
Butyl benzyl phthalate	
Cadmium, total	<.8
Carbon disulfide	<1
Carbon tetrachloride	<1
Chlordane	
Chlorobenzene	<1
Chlorobenzilate	
Chloroethane	<1
Chloroform	<1
Chloromethane	<1
Chloroprene	
Chromium, total	<8
Chrysene	
Cis-1,2-dichloroethylene	<1
Cis-1,3-dichloropropene	<1
Cobalt, total	<.8
Copper, total	<4.0
Cyanide, total	
Delta-bhc	
Diallate	
Dibenzo(a,h)anthracene	
Dibenzofuran	
Dibromochloromethane	<1
Dibromomethane	<1
Dichlorodifluoromethane	
Dieldrin	
Diethyl phthalate	
Dimethoate	
Dimethylphthalate	
Di-n-butyl phthalate	
Di-n-octyl phthalate	
Dinoseb	
Diphenylamine	
Disulfoton	
Endosulfan i	
Endosulfan ii	
Endosulfan sulfate	
Endrin	
Endrin aldehyde	
Ethyl methacrylate	
Ethyl methanesulfonate	
Ethylbenzene	<1
Famphur	
Fluoranthene	
Fluorene	
Gamma-bhc (lindane)	
Heptachlor	
Heptachlor epoxide	
Hexachlorobenzene	

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

Table 9

Analytical Data Summary for MW-22

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
Hexachlorobutadiene	ug/L	<8								
Hexachlorocyclopentadiene	ug/L	<8								
Hexachloroethane	ug/L	<8								
Hexachloropropene	ug/L	<8								
Indeno(1,2,3-cd)pyrene	ug/L	<8								
Isobutanol	mg/L	<1								
Isodrin	ug/L	<8								
Isophorone	ug/L	<8								
Isosafrole	ug/L	<8								
Kepone	ug/L	<8								
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L	<.5								
Methacrylonitrile	ug/L	<1								
Methapyrilene	ug/L	<8								
Methoxychlor	ug/L	<.06								
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L	<1								
Methyl methanesulfonate	ug/L	<8								
Methyl parathion	ug/L	<4								
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L	<8								
Nickel, total	ug/L	<4.0	5.7	<4.0	<4.0	<4.0	8.4	<4.0	5.0	<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	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	26	4							
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L	.46								
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Thionazin	ug/L	<4								
Tin, total	ug/L	<20								
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L	<.26								
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	8.8	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-22

Constituents	3/27/2019
Hexachlorobutadiene	
Hexachlorocyclopentadiene	
Hexachloroethane	
Hexachloropropene	
Indeno(1,2,3-cd)pyrene	
Isobutanol	
Isodrin	
Isophorone	
Isosafrole	
Kepone	
Lead, total	<4
Mercury, total	
Methacrylonitrile	
Methapyrilene	
Methoxychlor	
Methyl iodide	<1
Methyl methacrylate	
Methyl methanesulfonate	
Methyl parathion	
Methylene chloride	<5
Naphthalene	
Nickel, total	<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
Silver, total	<4
Solids, total suspended	
Styrene	<1
Sulfide, total	
Tetrachloroethylene	<1
Thallium, total	<2
Thionazin	
Tin, total	
Toluene	<1
Toxaphene	
Trans-1,2-dichloroethylene	<1
Trans-1,3-dichloropropene	<1
Trans-1,4-dichloro-2-butene	<5
Trichloroethylene	<1
Trichlorofluoromethane	<1
Vanadium, total	<20
Vinyl acetate	<5
Vinyl chloride	<1
Xylenes, total	<2
Zinc, total	<8.0

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

Table 9

Analytical Data Summary for MW-23

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
(3,4)-methylphenol	ug/L	<8								
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L	<1								
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L	<8								
1,2,4-trichlorobenzene	ug/L	<1								
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L	<8								
1,3,5-trinitrobenzene	ug/L	<8								
1,3-dichlorobenzene	ug/L	<1								
1,3-dichloropropane	ug/L	<1								
1,3-dinitrobenzene	ug/L	<8								
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L	<8								
1,4-phenylenediamine	ug/L	<8								
1-naphthylamine	ug/L	<8								
2,2-dichloropropane	ug/L	<1								
2,3,4,6-tetrachlorophenol	ug/L	<8								
2,4,5-t	ug/L	<5								
2,4,5-tp (silvex)	ug/L	<5								
2,4,5-trichlorophenol	ug/L	<8								
2,4,6-trichlorophenol	ug/L	<8								
2,4-d	ug/L	<2								
2,4-dichlorophenol	ug/L	<8								
2,4-dimethylphenol	ug/L	<8								
2,4-dinitrophenol	ug/L	<8								
2,4-dinitrotoluene	ug/L	<8								
2,6-dichlorophenol	ug/L	<8								
2,6-dinitrotoluene	ug/L	<8								
2-acetylaminofluorene	ug/L	<8								
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L	<8								
2-chlorophenol	ug/L	<8								
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L	<8								
2-methylphenol	ug/L	<8								
2-naphthylamine	ug/L	<8								
2-nitroaniline	ug/L	<8								
2-nitrophenol	ug/L	<8								
3,3'-dichlorobenzidine	ug/L	<8								
3,3'-dimethylbenzidine	ug/L	<8								
3-methylcholanthrene	ug/L	<8								
3-nitroaniline	ug/L	<8								
4,4'-ddd	ug/L	<.05								
4,4'-dde	ug/L	<.05								
4,4'-ddt	ug/L	<.05								
4,6-dinitro-2-methylphenol	ug/L	<8								
4-aminobiphenyl	ug/L	<8								
4-bromophenyl phenyl ether	ug/L	<8								
4-chloro-3-methylphenol	ug/L	<8								
4-chloroaniline	ug/L	<8								
4-chlorophenyl phenyl ether	ug/L	<8								
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L	<8								
4-nitrophenol	ug/L	<8								
5-nitro-o-toluidine	ug/L	<8								
7,12-dimethylbenz(a)anthracene	ug/L	<8								
Acenaphthene	ug/L	<8								
Acenaphthylene	ug/L	<8								
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	13	<10
Acetonitrile	ug/L	<10								
Acetophenone	ug/L	<8								
Acrolein	ug/L	<10								
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L	<.05								
Allyl chloride	ug/L	<1								
Alpha-bhc	ug/L	<.05								
Anthracene	ug/L	<8								

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

Table 9

Analytical Data Summary for MW-23

Constituents	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023
(3,4)-methylphenol		<8								
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene		<1								
1,2,3-trichloropropane	<1	<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	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-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
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	<10
2-chloronaphthalene		<8								
2-chlorophenol		<8								
2-hexanone (mbk)	<5	<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	<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	<10
Acetonitrile		<10								
Acetophenone		<8								
Acrolein		<10								
Acrylonitrile	<5	<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-23

Constituents	9/26/2023	3/1/2024	9/11/2024	3/17/2025	9/17/2025
(3,4)-methylphenol		<8			
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1
1,1-dichloropropene		<1			
1,2,3-trichloropropane	<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
1,2-dibromoethane	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1
1,2-dinitrobenzene		<8			
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
1,4-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
2-chloronaphthalene		<8			
2-chlorophenol		<8			
2-hexanone (mbk)	<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
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
Acetonitrile		<10			
Acetophenone		<8			
Acrolein		<10			
Acrylonitrile	<5	<5	<5	<5	<5
Aldrin		<.05			
Allyl chloride		<1			
Alpha-bhc		<.05			
Anthracene		<8			

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

Table 9

Analytical Data Summary for MW-23

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L	<1								
Arochlor 1221	ug/L	<2								
Arochlor 1232	ug/L	<2								
Arochlor 1242	ug/L	<2								
Arochlor 1248	ug/L	<2								
Arochlor 1254	ug/L	<1								
Arochlor 1260	ug/L	<1								
Arsenic, total	ug/L	6.5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene	ug/L	<8								
Barium, total	ug/L	209.0	152.0	161.0	161.0	86.9	140.0	106.0	152.0	144.0
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L	<8								
Benzo(a)pyrene	ug/L	<8								
Benzo(b)fluoranthene	ug/L	<8								
Benzo(g,h,i)perylene	ug/L	<8								
Benzo(k)fluoranthene	ug/L	<8								
Benzyl alcohol	ug/L	<8								
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L	<.05								
Bis (2-chloroethoxy) methane	ug/L	<8								
Bis(2-chloroethyl) ether	ug/L	<8								
Bis(2-chloroisopropyl) ether	ug/L	<8								
Bis(2-ethylhexyl)phthalate	ug/L	9	<10	<10		<10	<10	<10	<6	<6
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L	<8								
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L	<1								
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L	<8								
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L	<1								
Chromium, total	ug/L	23.9	<8.0	11.3	<8.0	<8.0	8.4	<8.0	9.0	<8.0
Chrysene	ug/L	<8								
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	6.8	<.8	1.6	<.8	<.8	<.8	<.8	.8	<.8
Copper, total	ug/L	16.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L	<.005								
Delta-bhc	ug/L	<.05								
Diallate	ug/L	<8								
Dibenzo(a,h)anthracene	ug/L	<8								
Dibenzofuran	ug/L	<8								
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1								
Dieldrin	ug/L	<.05								
Diethyl phthalate	ug/L	<8								
Dimethoate	ug/L	<.4								
Dimethylphthalate	ug/L	<8								
Di-n-butyl phthalate	ug/L	<8								
Di-n-octyl phthalate	ug/L	<8								
Dinoseb	ug/L	<.5								
Diphenylamine	ug/L	<8								
Disulfoton	ug/L	<.4								
Endosulfan i	ug/L	<.05								
Endosulfan ii	ug/L	<.05								
Endosulfan sulfate	ug/L	<.05								
Endrin	ug/L	<.05								
Endrin aldehyde	ug/L	<.05								
Ethane	ug/L									
Ethene	ug/L									
Ethyl methacrylate	ug/L	<10								
Ethyl methanesulfonate	ug/L	<8								
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L	<.4								
Fluoranthene	ug/L	<8								
Fluorene	ug/L	<8								
Gamma-bhc (lindane)	ug/L	<.05								
Heptachlor	ug/L	<.05								

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

Table 9

Analytical Data Summary for MW-23

Constituents	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016		<.1								
Arochlor 1221		<.2								
Arochlor 1232		<.2								
Arochlor 1242		<.2								
Arochlor 1248		<.2								
Arochlor 1254		<.1								
Arochlor 1260		<.1								
Arsenic, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene		<.8								
Barium, total	107.0	109.0	108.0	107.0	115.0	124.0	123.0	141.0	151.0	145.0
Benzene	<1	<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	<4.0
Beta-bhc		<.05								
Bis (2-chloroethoxy) methane		<.8								
Bis(2-chloroethyl) ether		<.8								
Bis(2-chloroisopropyl) ether		<.8								
Bis(2-ethylhexyl)phthalate		64								
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate		<.8								
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane		<.1								
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate		<.8								
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene		<1								
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene		<.8								
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	<.4	<.4	<.4	<.4	<.4	<.4
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	5.7	<4.0
Cyanide, total		<.005								
Delta-bhc		<.05								
Diallate		<.8								
Dibenzo(a,h)anthracene		<.8								
Dibenzofuran		<.8								
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<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								
Ethane										
Ethene										
Ethyl methacrylate		<10								
Ethyl methanesulfonate		<.8								
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur		<.4								
Fluoranthene		<.8								
Fluorene		<.8								
Gamma-bhc (lindane)		<.05								
Heptachlor		<.05								

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

Table 9

Analytical Data Summary for MW-23

Constituents	9/26/2023	3/1/2024	9/11/2024	3/17/2025	9/17/2025
Antimony, total	<2	<2	<2	<2	<1
Arochlor 1016		<2			
Arochlor 1221		<2			
Arochlor 1232		<2			
Arochlor 1242		<2			
Arochlor 1248		<2			
Arochlor 1254		<2			
Arochlor 1260		<2			
Arsenic, total	<4.0	<4.0	<4.0	<4.0	<2.0
Azobenzene		<8			
Barium, total	162.0	155.0	154.0	136.0	142.0
Benzene	<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
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
Bromodichloromethane	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1
Butyl benzyl phthalate		<8			
Cadmium, total	<.8	<.8	<.8	<.8	.5
Carbon disulfide	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1
Chlordane		<.1			
Chlorobenzene	<1	<1	<1	<1	<1
Chlorobenzilate		<8			
Chloroethane	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1
Chloroprene		<1			
Chromium, total	<8.0	<8.0	<8.0	<8.0	1.1
Chrysene		<8			
Cis-1,2-dichloroethylene	<1	<1	<1	1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1
Cobalt, total	<.4	.5	<.4	<.4	<.5
Copper, total	<4.0	<4.0	<4.0	<4.0	<5.0
Cyanide, total		<.005			
Delta-bhc		<.05			
Diallate		<8			
Dibenzo(a,h)anthracene		<8			
Dibenzofuran		<8			
Dibromochloromethane	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1
Dichlorodifluoromethane		<1			
Dieldrin		<.05			
Diethyl phthalate		<8			
Dimethoate		<.4			
Dimethylphthalate		<8			
Di-n-butyl phthalate		<8			
Di-n-octyl phthalate		<8			
Dinoseb		<.5			
Diphenylamine		<8			
Disulfoton		<.4			
Endosulfan i		<.05			
Endosulfan ii		<.05			
Endosulfan sulfate		<.05			
Endrin		<.05			
Endrin aldehyde		<.05			
Ethane					<5
Ethene					<5
Ethyl methacrylate		<10			
Ethyl methanesulfonate		<8			
Ethylbenzene	<1	<1	<1	<1	<1
Famphur		<.4			
Fluoranthene		<8			
Fluorene		<8			
Gamma-bhc (lindane)		<.05			
Heptachlor		<.05			

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

Table 9

Analytical Data Summary for MW-23

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
Heptachlor epoxide	ug/L	<.05								
Hexachlorobenzene	ug/L	<4.03 *								
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								
Kepon	ug/L	<8								
Lead, total	ug/L	9.2	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Mercury, total	ug/L	<.5								
Methacrylonitrile	ug/L	<1								
Methane	ug/L									
Methapyrilene	ug/L	<8								
Methoxychlor	ug/L	<.05								
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L	<1								
Methyl methanesulfonate	ug/L	<8								
Methyl parathion	ug/L	<4								
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L	<8								
Nickel, total	ug/L	18.7	5.4	7.8	5.9	<4.0	5.2	<4.0	5.9	5.3
Nitrobenzene	ug/L	<8								
N-nitrosodiethylamine	ug/L	<8								
N-nitrosodimethylamine	ug/L	<8								
N-nitrosodi-n-butylamine	ug/L	<8								
N-nitroso-di-n-propylamine	ug/L	<8								
N-nitrosodiphenylamine	ug/L	<8								
N-nitrosomethylethylamine	ug/L	<8								
N-nitrosopiperidine	ug/L	<8								
N-nitrosopyrrolidine	ug/L	<8								
O,o,o-triethyl phosphorothioate	ug/L	<4								
O-toluidine	ug/L	<8								
Parathion	ug/L	<4								
P-dimethylaminoazobenzene	ug/L	<8								
Pentachlorobenzene	ug/L	<8								
Pentachloronitrobenzene (pcnb)	ug/L	<8								
Pentachlorophenol	ug/L	<8								
Phenacetin	ug/L	<8								
Phenanthrene	ug/L	<8								
Phenol	ug/L	<8								
Phorate	ug/L	<4								
Pronamide	ug/L	<8								
Propionitrile	ug/L	<10								
Pyrene	ug/L	<8								
Safrole	ug/L	<8								
Selenium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	39		183						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L	.24								
Tetrachloroethylene	ug/L	3.7	2.9	4.0	2.3	3.9	2.6	4.9	3.7	5.0
Thallium, total	ug/L	<4.0	<4.0	<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	<1	<1
Toxaphene	ug/L	<2								
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	30.3	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	45.1	10.2	11.2	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-23

Constituents	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023
Heptachlor epoxide		<.05								
Hexachlorobenzene		<.05								
Hexachlorobutadiene		<8								
Hexachlorocyclopentadiene		<8								
Hexachloroethane		<8								
Hexachloropropene		<8								
Indeno(1,2,3-cd)pyrene		<8								
Isobutanol		<1								
Isodrin		<8								
Isophorone		<8								
Isosafrole		<8								
Kepon		<8								
Lead, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Mercury, total		<.5								
Methacrylonitrile		<1								
Methane										
Methapyrilene		<8								
Methoxychlor		<.05								
Methyl iodide	<1	<1	<1	<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	<5	<5	<5
Naphthalene		<8								
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	17.4	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	<4.0	4.5	<4.0	<4.0	<4.0	<4.0	4.0	4.2	<4.0	<4.0
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended										
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total		<.10								
Tetrachloroethylene	4.0	3.2	3.9	2.4	2.7	2.7	3.6	3.8	<1.0	2.4
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin		<.4								
Tin, total		<20								
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene		<.2								
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	9.7	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-23

Constituents	9/26/2023	3/1/2024	9/11/2024	3/17/2025	9/17/2025
Heptachlor epoxide		<.05			
Hexachlorobenzene		<.05			
Hexachlorobutadiene		<8			
Hexachlorocyclopentadiene		<8			
Hexachloroethane		<8			
Hexachloropropene		<8			
Indeno(1,2,3-cd)pyrene		<8			
Isobutanol		<1			
Isodrin		<8			
Isophorone		<8			
Isosafrole		<8			
Kepon		<8			
Lead, total	<4.0	<4.0	<4.0	<4.0	<1.0
Mercury, total		<.5			
Methacrylonitrile		<1			
Methane					33.2
Methapyrene		<8			
Methoxychlor		<.05			
Methyl iodide	<1	<2	<1	<1	<1
Methyl methacrylate		<1			
Methyl methanesulfonate		<8			
Methyl parathion		<.4			
Methylene chloride	<5	<5	<5	<5	<5
Naphthalene		<8			
Nickel, total	32.8	32.4	28.9	15.6	23.7
Nitrobenzene		<8			
N-nitrosodiethylamine		<8			
N-nitrosodimethylamine		<8			
N-nitrosodi-n-butylamine		<8			
N-nitroso-di-n-propylamine		<8			
N-nitrosodiphenylamine		<8			
N-nitrosomethylethylamine		<8			
N-nitrosopiperidine		<8			
N-nitrosopyrrolidine		<8			
O,o,o-triethyl phosphorothioate		<.4			
O-toluidine		<8			
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	<4.0	<4.0	<4.0	<4.0	<2.0
Silver, total	<4	<4	<4	<4	<5
Solids, total suspended					
Styrene	<1	<1	<1	<1	<1
Sulfide, total		<.10			
Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0
Thallium, total	<2.0	<2.0	<2.0	<2.0	<.5
Thionazin		<.4			
Tin, total		<20			
Toluene	<1	<1	<1	<1	<1
Toxaphene		<.2			
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1
Vanadium, total	<20.0	<20.0	<20.0	<20.0	<2.0
Vinyl acetate	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	15.6

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

Table 9

Analytical Data Summary for MW-24

Constituents	Units	10/12/2016	3/6/2017	6/15/2017	9/5/2017	3/2/2018	9/4/2018	3/27/2019	9/7/2019	3/30/2020
(3-4)-methylphenol	ug/L			<8		<8				
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L			<1		<1				
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L			<8		<8				
1,2,4-trichlorobenzene	ug/L			<1		<1				
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L			<8		<8				
1,3,5-trinitrobenzene	ug/L			<8		<8				
1,3-dichlorobenzene	ug/L			<1		<1				
1,3-dichloropropane	ug/L			<1		<1				
1,3-dinitrobenzene	ug/L			<8		<8				
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L			<8		<8				
1,4-phenylenediamine	ug/L			<8		<8				
1-naphthylamine	ug/L			<8		<8				
2,2-dichloropropane	ug/L			<1		<1				
2,3,4,6-tetrachlorophenol	ug/L			<8		<8				
2,4,5-t	ug/L			<.5		<.5				
2,4,5-tp (silvex)	ug/L			<.5		<.5				
2,4,5-trichlorophenol	ug/L			<8		<8				
2,4,6-trichlorophenol	ug/L			<8		<8				
2,4-d	ug/L			<2		<2				
2,4-dichlorophenol	ug/L			<8		<8				
2,4-dimethylphenol	ug/L			<8		<8				
2,4-dinitrophenol	ug/L			<8		<8				
2,4-dinitrotoluene	ug/L			<8		<8				
2,6-dichlorophenol	ug/L			<8		<8				
2,6-dinitrotoluene	ug/L			<8		<8				
2-acetylaminofluorene	ug/L			<8		<8				
2-butanone (mek)	ug/L	<5	<5	<5	<5	<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	<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
4-nitroaniline	ug/L			<8		<8				
4-nitrophenol	ug/L			<8		<8				
5-nitro-o-toluidine	ug/L			<8		<8				
7,12-dimethylbenz(a)anthracene	ug/L			<8		<8				
Acenaphthene	ug/L			<8		<8				
Acenaphthylene	ug/L			<8		<8				
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L			<10		<10				
Acetophenone	ug/L			<8		<8				
Acrolein	ug/L			<10		<10				
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L			<.05		<.05				
Allyl chloride	ug/L			<1		<1				
Alpha-bhc	ug/L			<.05		<.05				
Anthracene	ug/L			<8		<8				

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

Table 9

Analytical Data Summary for MW-24

Constituents	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023	9/26/2023	3/1/2024	9/11/2024	3/17/2025
(3,4)-methylphenol						<8				
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene						<1				
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene						<8				
1,2,4-trichlorobenzene						<1				
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<1	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-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
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	<10	<10	<5	<10	<10	<10	<10
2-chloronaphthalene						<8				
2-chlorophenol						<8				
2-hexanone (mbk)	<5	<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	<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	<10
Acetonitrile						<10				
Acetophenone						<8				
Acrolein						<10				
Acrylonitrile	<5	<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-24

Constituents	9/17/2025
(3,4)-methylphenol	
1,1,1,2-tetrachloroethane	<1
1,1,1-trichloroethane	<1
1,1,2,2-tetrachloroethane	<1
1,1,2-trichloroethane	<1
1,1-dichloroethane	<1
1,1-dichloroethylene	<1
1,1-dichloropropene	
1,2,3-trichloropropane	<1
1,2,4,5-tetrachlorobenzene	
1,2,4-trichlorobenzene	
1,2-dibromo-3-chloropropane	<5
1,2-dibromoethane	<1
1,2-dichlorobenzene	<1
1,2-dichloroethane	<1
1,2-dichloropropane	<1
1,2-dinitrobenzene	
1,3,5-trinitrobenzene	
1,3-dichlorobenzene	
1,3-dichloropropane	
1,3-dinitrobenzene	
1,4-dichlorobenzene	<1
1,4-naphthoquinone	
1,4-phenylenediamine	
1-naphthylamine	
2,2-dichloropropane	
2,3,4,6-tetrachlorophenol	
2,4,5-t	
2,4,5-tp (silvex)	
2,4,5-trichlorophenol	
2,4,6-trichlorophenol	
2,4-d	
2,4-dichlorophenol	
2,4-dimethylphenol	
2,4-dinitrophenol	
2,4-dinitrotoluene	
2,6-dichlorophenol	
2,6-dinitrotoluene	
2-acetylaminofluorene	
2-butanone (mek)	<10
2-chloronaphthalene	
2-chlorophenol	
2-hexanone (mbk)	<5
2-methylnaphthalene	
2-methylphenol	
2-naphthylamine	
2-nitroaniline	
2-nitrophenol	
3,3'-dichlorobenzidine	
3,3'-dimethylbenzidine	
3-methylcholanthrene	
3-nitroaniline	
4,4'-ddd	
4,4'-dde	
4,4'-ddt	
4,6-dinitro-2-methylphenol	
4-aminobiphenyl	
4-bromophenyl phenyl ether	
4-chloro-3-methylphenol	
4-chloroaniline	
4-chlorophenyl phenyl ether	
4-methyl-2-pentanone (mibk)	<5
4-nitroaniline	
4-nitrophenol	
5-nitro-o-toluidine	
7,12-dimethylbenz(a)anthracene	
Acenaphthene	
Acenaphthylene	
Acetone	<10
Acetonitrile	
Acetophenone	
Acrolein	
Acrylonitrile	<5
Aldrin	
Allyl chloride	
Alpha-bhc	
Anthracene	

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

Table 9

Analytical Data Summary for MW-24

Constituents	Units	10/12/2016	3/6/2017	6/15/2017	9/5/2017	3/2/2018	9/4/2018	3/27/2019	9/7/2019	3/30/2020
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L			<.1		<.1				
Arochlor 1221	ug/L			<.2		<.2				
Arochlor 1232	ug/L			<.2		<.2				
Arochlor 1242	ug/L			<.2		<.2				
Arochlor 1248	ug/L			<.2		<.2				
Arochlor 1254	ug/L			<.1		<.1				
Arochlor 1260	ug/L			<.1		<.1				
Arsenic, total	ug/L	<4.0	14.8	4.0	<4.0	51.6	4.3	21.4	9.2	7.9
Azobenzene	ug/L			<8		<8				
Barium, total	ug/L	469	1280	731	624	1560	768	1020	745	971
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L			<8		<8				
Benzo(a)pyrene	ug/L			<8		<8				
Benzo(b)fluoranthene	ug/L			<8		<8				
Benzo(g,h,i)perylene	ug/L			<8		<8				
Benzo(k)fluoranthene	ug/L			<8		<8				
Benzyl alcohol	ug/L			<8		<8				
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L			<.05		<.05				
Bis (2-chloroethoxy) methane	ug/L			<8		<8				
Bis(2-chloroethyl) ether	ug/L			<8		<8				
Bis(2-chloroisopropyl) ether	ug/L			<8		<8				
Bis(2-ethylhexyl)phthalate	ug/L			7		<6				
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L			<8		<8				
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L			<.1		<.1				
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L			<8		<8				
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L			<1		<1				
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L			<8		<8				
Cis-1,2-dichloroethylene	ug/L	3.8	4.0	2.4	<1.0	3.9	3.7	3.5	1.0	2.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	1.1	1.5	<.8	<.8	.8	1.0	<.8	<.8	<.8
Copper, total	ug/L	<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
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L			<1		<1				
Dieldrin	ug/L			<.05		<.05				
Diethyl phthalate	ug/L			<8		<8				
Dimethoate	ug/L			<.4		<.4				
Dimethylphthalate	ug/L			<8		<8				
Di-n-butyl phthalate	ug/L			<8		<8				
Di-n-octyl phthalate	ug/L			<8		<8				
Dinoseb	ug/L			<.5		<.5				
Diphenylamine	ug/L			<8		<8				
Disulfoton	ug/L			<.4		<.4				
Endosulfan i	ug/L			<.05		<.05				
Endosulfan ii	ug/L			<.05		<.05				
Endosulfan sulfate	ug/L			<.05		<.05				
Endrin	ug/L			<.05		<.05				
Endrin aldehyde	ug/L			<.05		<.05				
Ethyl methacrylate	ug/L			<10		<10				
Ethyl methanesulfonate	ug/L			<8		<8				
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L			<.4		<.4				
Fluoranthene	ug/L			<8		<8				
Fluorene	ug/L			<8		<8				
Gamma-bhc (lindane)	ug/L			<.05		<.05				
Heptachlor	ug/L			<.05		<.05				
Heptachlor epoxide	ug/L			<.05		<.05				
Hexachlorobenzene	ug/L			<.05		<.05				

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

Table 9

Analytical Data Summary for MW-24

Constituents	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023	9/26/2023	3/1/2024	9/11/2024	3/17/2025
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016						<.1				
Arochlor 1221						<.2				
Arochlor 1232						<.2				
Arochlor 1242						<.2				
Arochlor 1248						<.2				
Arochlor 1254						<.1				
Arochlor 1260						<.1				
Arsenic, total	5.5	60.6	<4.0	74.7	7.0	25.8	<4.0	40.3	21.2	84.7
Azobenzene						<8				
Barium, total	893	1510	645	1880	640	1020	711	1480	1030	1790
Benzene	<1	<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	<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	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate						<8				
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane						<.1				
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate						<8				
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene						<1				
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene						<8				
Cis-1,2-dichloroethylene	1.1	3.7	3.1	3.0	2.3	2.5	1.2	1.8	1.6	2.7
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.4	<.4	<.4	.4	<.4	<.4	<.4	<.4	<.4	.7
Copper, total	<4	<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	<1
Dibromomethane	<1	<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	<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-24

Constituents	9/17/2025
Antimony, total	<1
Arochlor 1016	
Arochlor 1221	
Arochlor 1232	
Arochlor 1242	
Arochlor 1248	
Arochlor 1254	
Arochlor 1260	
Arsenic, total	<2.0
Azobenzene	
Barium, total	698
Benzene	<1
Benzo(a)anthracene	
Benzo(a)pyrene	
Benzo(b)fluoranthene	
Benzo(g,h,i)perylene	
Benzo(k)fluoranthene	
Benzyl alcohol	
Beryllium, total	<.5
Beta-bhc	
Bis (2-chloroethoxy) methane	
Bis(2-chloroethyl) ether	
Bis(2-chloroisopropyl) ether	
Bis(2-ethylhexyl)phthalate	
Bromochloromethane	<1
Bromodichloromethane	<1
Bromoform	<1
Bromomethane	<1
Butyl benzyl phthalate	
Cadmium, total	<.2
Carbon disulfide	<1
Carbon tetrachloride	<1
Chlordane	
Chlorobenzene	<1
Chlorobenzilate	
Chloroethane	<1
Chloroform	<1
Chloromethane	<1
Chloroprene	
Chromium, total	<1
Chrysene	
Cis-1,2-dichloroethylene	<1.0
Cis-1,3-dichloropropene	<1
Cobalt, total	<.5
Copper, total	<5
Cyanide, total	
Delta-bhc	
Diallate	
Dibenzo(a,h)anthracene	
Dibenzofuran	
Dibromochloromethane	<1
Dibromomethane	<1
Dichlorodifluoromethane	
Dieldrin	
Diethyl phthalate	
Dimethoate	
Dimethylphthalate	
Di-n-butyl phthalate	
Di-n-octyl phthalate	
Dinoseb	
Diphenylamine	
Disulfoton	
Endosulfan i	
Endosulfan ii	
Endosulfan sulfate	
Endrin	
Endrin aldehyde	
Ethyl methacrylate	
Ethyl methanesulfonate	
Ethylbenzene	<1
Famphur	
Fluoranthene	
Fluorene	
Gamma-bhc (lindane)	
Heptachlor	
Heptachlor epoxide	
Hexachlorobenzene	

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

Table 9

Analytical Data Summary for MW-24

Constituents	Units	10/12/2016	3/6/2017	6/15/2017	9/5/2017	3/2/2018	9/4/2018	3/27/2019	9/7/2019	3/30/2020
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
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	<1	<2
Methyl methacrylate	ug/L			<1		<1				
Methyl methanesulfonate	ug/L			<8		<8				
Methyl parathion	ug/L			<.4		<.4				
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L			<8		<8				
Nickel, total	ug/L	6.7	7.0	5.9	5.8	6.4	5.4	4.5	4.1	4.6
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
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L			<.1		<.2				
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0	<2.0
Thionazin	ug/L			<.4		<.4				
Tin, total	ug/L			<20		<20				
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L			<.2		<.2				
Trans-1,2-dichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	3.7	<1.0	<1.0	<1.0	<1.0
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<8.0	<8.0	<20.0	<8.0	<8.0	31.2	<8.0	<8.0	<20.0

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

Table 9

Analytical Data Summary for MW-24

Constituents	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023	9/26/2023	3/1/2024	9/11/2024	3/17/2025
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	<4	<4	<4
Mercury, total						<.5				
Methacrylonitrile						<1				
Methapyrilene						<8				
Methoxychlor						<.05				
Methyl iodide	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
Methyl methacrylate						<1				
Methyl methanesulfonate						<8				
Methyl parathion						<.4				
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene						<8				
Nickel, total	4.1	<4.0	<4.0	<4.0	<4.0	4.0	<4.0	4.2	<4.0	5.4
Nitrobenzene						<8				
N-nitrosodiethylamine						<8				
N-nitrosodimethylamine						<8				
N-nitrosodi-n-butylamine						<8				
N-nitroso-di-n-propylamine						<8				
N-nitrosodiphenylamine						<8				
N-nitrosomethylethylamine						<8				
N-nitrosopiperidine						<8				
N-nitrosopyrrolidine						<8				
O,o,o-triethyl phosphorothioate						<.4				
O-toluidine						<8				
Parathion						<.4				
P-dimethylaminoazobenzene						<8				
Pentachlorobenzene						<8				
Pentachloronitrobenzene (pcnb)						<8				
Pentachlorophenol						<8				
Phenacetin						<8				
Phenanthrene						<8				
Phenol						<8				
Phorate						<.4				
Pronamide						<8				
Propionitrile						<10				
Pyrene						<8				
Safrole						<8				
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total						<.1				
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin						<.4				
Tin, total						<20				
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene						<.2				
Trans-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-24

Constituents	9/17/2025
Hexachlorobutadiene	
Hexachlorocyclopentadiene	
Hexachloroethane	
Hexachloropropene	
Indeno(1,2,3-cd)pyrene	
Isobutanol	
Isodrin	
Isophorone	
Isosafrole	
Kepone	
Lead, total	<1
Mercury, total	
Methacrylonitrile	
Methapyrilene	
Methoxychlor	
Methyl iodide	<1
Methyl methacrylate	
Methyl methanesulfonate	
Methyl parathion	
Methylene chloride	<5
Naphthalene	
Nickel, total	<5.0
Nitrobenzene	
N-nitrosodiethylamine	
N-nitrosodimethylamine	
N-nitrosodi-n-butylamine	
N-nitroso-di-n-propylamine	
N-nitrosodiphenylamine	
N-nitrosomethylethylamine	
N-nitrosopiperidine	
N-nitrosopyrrolidine	
O,o,o-triethyl phosphorothioate	
O-toluidine	
Parathion	
P-dimethylaminoazobenzene	
Pentachlorobenzene	
Pentachloronitrobenzene (pcnb)	
Pentachlorophenol	
Phenacetin	
Phenanthrene	
Phenol	
Phorate	
Pronamide	
Propionitrile	
Pyrene	
Safrole	
Selenium, total	<2
Silver, total	<5
Styrene	<1
Sulfide, total	
Tetrachloroethylene	<1
Thallium, total	<.5
Thionazin	
Tin, total	
Toluene	<1
Toxaphene	
Trans-1,2-dichloroethylene	<1.0
Trans-1,3-dichloropropene	<1
Trans-1,4-dichloro-2-butene	<5
Trichloroethylene	<1
Trichlorofluoromethane	<1
Vanadium, total	<2
Vinyl acetate	<5
Vinyl chloride	<1
Xylenes, total	<2
Zinc, total	6.2

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

Table 9

Analytical Data Summary for MW-25

Constituents	Units	10/12/2016	3/6/2017	9/5/2017	3/2/2018	4/10/2018	9/4/2018	3/27/2019	9/7/2019	3/30/2020
(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	<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
1,2-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	15.5	<10.0		<10.0	<10.0	<10.0	<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-25

Constituents	6/2/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023	9/26/2023	3/1/2024	9/11/2024
(3,4)-methylphenol		<8		<8						
1,1,1,2-tetrachloroethane		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene		<1.0		4.5	<1.0	<1.0	<1.0			
1,2,3-trichloropropane		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene		<8		<8						
1,2,4-trichlorobenzene		<1		<1						
1,2-dibromo-3-chloropropane		<1	<5	<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		<8						
1,3,5-trinitrobenzene		<8		<8						
1,3-dichlorobenzene		<1		<1						
1,3-dichloropropane		<1		<1						
1,3-dinitrobenzene		<8		<8						
1,4-dichlorobenzene		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone		<8		<8						
1,4-phenylenediamine		<8		<8						
1-naphthylamine		<8		<8						
2,2-dichloropropane		<1		<1						
2,3,4,6-tetrachlorophenol		<8		<8						
2,4,5-t		<5		<5						
2,4,5-tp (silvex)		<5		<5						
2,4,5-trichlorophenol		<8		<8						
2,4,6-trichlorophenol		<8		<8						
2,4-d		<2		<2						
2,4-dichlorophenol		<8		<8						
2,4-dimethylphenol		<8		<8						
2,4-dinitrophenol		<8		<8						
2,4-dinitrotoluene		<8		<8						
2,6-dichlorophenol		<8		<8						
2,6-dinitrotoluene		<8		<8						
2-acetylaminofluorene		<8		<8						
2-butanone (mek)		<5	<5	<5	<10	<10	<10	<10	<10	<10
2-chloronaphthalene		<8		<8						
2-chlorophenol		<8		<8						
2-hexanone (mbk)		<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene		<8		<8						
2-methylphenol		<8		<8						
2-naphthylamine		<8		<8						
2-nitroaniline		<8		<8						
2-nitrophenol		<8		<8						
3,3'-dichlorobenzidine		<8		<8						
3,3'-dimethylbenzidine		<8		<8						
3-methylcholanthrene		<8		<8						
3-nitroaniline		<8		<8						
4,4'-ddd		<.05		<.07						
4,4'-dde		<.05		<.07						
4,4'-ddt		<.05		<.07						
4,6-dinitro-2-methylphenol		<8		<8						
4-aminobiphenyl		<8		<8						
4-bromophenyl phenyl ether		<8		<8						
4-chloro-3-methylphenol		<8		<8						
4-chloroaniline		<8		<8						
4-chlorophenyl phenyl ether		<8		<8						
4-methyl-2-pentanone (mibk)		<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline		<8		<8						
4-nitrophenol		<8		<8						
5-nitro-o-toluidine		<8		<8						
7,12-dimethylbenz(a)anthracene		<8		<8						
Acenaphthene		<8		<8						
Acenaphthylene		<8		<8						
Acetone		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile		<10		<10						
Acetophenone		<8		<8						
Acrolein		<10		<10						
Acrylonitrile		<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin		<.05		<.07						
Allyl chloride		<1		<1						
Alpha-bhc		<.05		<.07						
Anthracene		<8		<8						

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

Table 9

Analytical Data Summary for MW-25

Constituents	3/17/2025	9/17/2025
(3,4)-methylphenol		
1,1,1,2-tetrachloroethane	<1	<1
1,1,1-trichloroethane	<1	<1
1,1,2,2-tetrachloroethane	<1	<1
1,1,2-trichloroethane	<1	<1
1,1-dichloroethane	<1	<1
1,1-dichloroethylene	<1	<1
1,1-dichloropropene		
1,2,3-trichloropropane	<1	<1
1,2,4,5-tetrachlorobenzene		
1,2,4-trichlorobenzene		
1,2-dibromo-3-chloropropane	<5	<5
1,2-dibromoethane	<1	<1
1,2-dichlorobenzene	<1	<1
1,2-dichloroethane	<1	<1
1,2-dichloropropane	<1	<1
1,2-dinitrobenzene		
1,3,5-trinitrobenzene		
1,3-dichlorobenzene		
1,3-dichloropropane		
1,3-dinitrobenzene		
1,4-dichlorobenzene	<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
2-chloronaphthalene		
2-chlorophenol		
2-hexanone (mbk)	<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
4-nitroaniline		
4-nitrophenol		
5-nitro-o-toluidine		
7,12-dimethylbenz(a)anthracene		
Acenaphthene		
Acenaphthylene		
Acetone	<10.0	<10.0
Acetonitrile		
Acetophenone		
Acrolein		
Acrylonitrile	<5	<5
Aldrin		
Allyl chloride		
Alpha-bhc		
Anthracene		

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

Table 9

Analytical Data Summary for MW-25

Constituents	Units	10/12/2016	3/6/2017	9/5/2017	3/2/2018	4/10/2018	9/4/2018	3/27/2019	9/7/2019	3/30/2020
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	175	220	156	170		180	218	205	325
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	<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	1.2	<.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-25

Constituents	6/2/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023	9/26/2023	3/1/2024	9/11/2024
Antimony, total		<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016		<.10		<.14						
Arochlor 1221		<.20		<.27						
Arochlor 1232		<.20		<.27						
Arochlor 1242		<.20		<.27						
Arochlor 1248		<.20		<.27						
Arochlor 1254		<.10		<.14						
Arochlor 1260		<.10		<.14						
Arsenic, total		<4	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene		<8		<8						
Barium, total	232	244	279	263	294	264	279	252	306	320
Benzene		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene		<8		<8						
Benzo(a)pyrene		<8		<8						
Benzo(b)fluoranthene		<8		<8						
Benzo(g,h,i)perylene		<8		<8						
Benzo(k)fluoranthene		<8		<8						
Benzyl alcohol		<8		<8						
Beryllium, total		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc		<.05		<.07						
Bis (2-chloroethoxy) methane		<8		<8						
Bis(2-chloroethyl) ether		<8		<8						
Bis(2-chloroisopropyl) ether		<8		<8						
Bis(2-ethylhexyl)phthalate		6		9	<6	<6	<6			
Bromochloromethane		<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane		<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform		<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane		<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate		<8		<8						
Cadmium, total		<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide		<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride		<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane		<.10		<.14						
Chlorobenzene		<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate		<8		<8						
Chloroethane		<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform		<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane		<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene		<1		<1						
Chromium, total		<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene		<8		<8						
Cis-1,2-dichloroethylene		<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene		<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total		<.4	<.4	<.4	<.4	1.3	<.4	<.4	<.4	<.4
Copper, total		<4.0	<4.0	<4.0	24.7	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total		<.005		<.005						
Delta-bhc		<.05		<.07						
Diallate		<8		<8						
Dibenzo(a,h)anthracene		<8		<8						
Dibenzofuran		<8		<8						
Dibromochloromethane		<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane		<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane		<1		<1						
Dieldrin		<.05		<.07						
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		<.07						
Endosulfan ii		<.05		<.07						
Endosulfan sulfate		<.05		<.07						
Endrin		<.05		<.07						
Endrin aldehyde		<.05		<.07						
Ethyl methacrylate		<10		<10						
Ethyl methanesulfonate		<8		<8						
Ethylbenzene		<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur		<.4		<.4						
Fluoranthene		<8		<8						
Fluorene		<8		<8						
Gamma-bhc (lindane)		<.05		<.07						
Heptachlor		<.05		<.07						
Heptachlor epoxide		<.05		<.07						
Hexachlorobenzene		<.05		<.07						

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

Table 9

Analytical Data Summary for MW-25

Constituents	3/17/2025	9/17/2025
Antimony, total	<2	<1
Arochlor 1016		
Arochlor 1221		
Arochlor 1232		
Arochlor 1242		
Arochlor 1248		
Arochlor 1254		
Arochlor 1260		
Arsenic, total	<4	<2
Azobenzene		
Barium, total	301	301
Benzene	<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	<.5
Beta-bhc		
Bis (2-chloroethoxy) methane		
Bis(2-chloroethyl) ether		
Bis(2-chloroisopropyl) ether		
Bis(2-ethylhexyl)phthalate		
Bromochloromethane	<1	<1
Bromodichloromethane	<1	<1
Bromoform	<1	<1
Bromomethane	<1	<1
Butyl benzyl phthalate		
Cadmium, total	<.8	<.2
Carbon disulfide	<1	<1
Carbon tetrachloride	<1	<1
Chlordane		
Chlorobenzene	<1	<1
Chlorobenzilate		
Chloroethane	<1	<1
Chloroform	<1	<1
Chloromethane	<1	<1
Chloroprene		
Chromium, total	<8	<1
Chrysene		
Cis-1,2-dichloroethylene	<1	<1
Cis-1,3-dichloropropene	<1	<1
Cobalt, total	<.4	<.5
Copper, total	<4.0	<5.0
Cyanide, total		
Delta-bhc		
Diallate		
Dibenzo(a,h)anthracene		
Dibenzofuran		
Dibromochloromethane	<1	<1
Dibromomethane	<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
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-25

Constituents	Units	10/12/2016	3/6/2017	9/5/2017	3/2/2018	4/10/2018	9/4/2018	3/27/2019	9/7/2019	3/30/2020
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	<2
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	<4	<4	<4		<4	<4	<4	<4
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
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	<2.0	<2.0	<2.0
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	43.2	<8.0	<20.0	9.2	<8.0	<20.0

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

Table 9

Analytical Data Summary for MW-25

Constituents	6/2/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023	9/26/2023	3/1/2024	9/11/2024
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	<4
Mercury, total		<.5		<.5						
Methacrylonitrile		<1		<1						
Methapyrilene		<8		<8						
Methoxychlor		<.05		<.07						
Methyl iodide		<2	<1	<2	<1	<1	<1	<1	<1	<1
Methyl methacrylate		<1		<1						
Methyl methanesulfonate		<8		<8						
Methyl parathion		<.4		<.4						
Methylene chloride		<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene		<8		<8						
Nickel, total		<4	<4	<4	<4	<4	<4	<4	<4	<4
Nitrobenzene		<8		<8						
N-nitrosodiethylamine		<8		<8						
N-nitrosodimethylamine		<8		<8						
N-nitrosodi-n-butylamine		<8		<8						
N-nitroso-di-n-propylamine		<8		<8						
N-nitrosodiphenylamine		<8		<8						
N-nitrosomethylethylamine		<8		<8						
N-nitrosopiperidine		<8		<8						
N-nitrosopyrrolidine		<8		<8						
O,o,o-triethyl phosphorothioate		<.4		<.4						
O-toluidine		<8		<8						
Parathion		<.4		<.4						
P-dimethylaminoazobenzene		<8		<8						
Pentachlorobenzene		<8		<8						
Pentachloronitrobenzene (pcnb)		<8		<8						
Pentachlorophenol		<8		<8						
Phenacetin		<8		<8						
Phenanthrene		<8		<8						
Phenol		<8		<8						
Phorate		<.4		<.4						
Pronamide		<8		<8						
Propionitrile		<10		<10						
Pyrene		<8		<8						
Safrole		<8		<8						
Selenium, total		<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total		<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene		<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total		<.10		.11						
Tetrachloroethylene		<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin		<.4		<.4						
Tin, total		<20		<20						
Toluene		<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene		<.20		<.27						
Trans-1,2-dichloroethylene		<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene		<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene		<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene		<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane		<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total		<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate		<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride		<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total		<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total		<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-25

Constituents	3/17/2025	9/17/2025
Hexachlorobutadiene		
Hexachlorocyclopentadiene		
Hexachloroethane		
Hexachloropropene		
Indeno(1,2,3-cd)pyrene		
Isobutanol		
Isodrin		
Isophorone		
Isosafrole		
Kepone		
Lead, total	<4	<1
Mercury, total		
Methacrylonitrile		
Methapyrilene		
Methoxychlor		
Methyl iodide	<1	<1
Methyl methacrylate		
Methyl methanesulfonate		
Methyl parathion		
Methylene chloride	<5	<5
Naphthalene		
Nickel, total	<4	<5
Nitrobenzene		
N-nitrosodiethylamine		
N-nitrosodimethylamine		
N-nitrosodi-n-butylamine		
N-nitroso-di-n-propylamine		
N-nitrosodiphenylamine		
N-nitrosomethylethylamine		
N-nitrosopiperidine		
N-nitrosopyrrolidine		
O,o,o-triethyl phosphorothioate		
O-toluidine		
Parathion		
P-dimethylaminoazobenzene		
Pentachlorobenzene		
Pentachloronitrobenzene (pcnb)		
Pentachlorophenol		
Phenacetin		
Phenanthrene		
Phenol		
Phorate		
Pronamide		
Propionitrile		
Pyrene		
Safrole		
Selenium, total	<4	<2
Silver, total	<4	<5
Styrene	<1	<1
Sulfide, total		
Tetrachloroethylene	<1	<1
Thallium, total	<2.0	<.5
Thionazin		
Tin, total		
Toluene	<1	<1
Toxaphene		
Trans-1,2-dichloroethylene	<1	<1
Trans-1,3-dichloropropene	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5
Trichloroethylene	<1	<1
Trichlorofluoromethane	<1	<1
Vanadium, total	<20	<2
Vinyl acetate	<5	<5
Vinyl chloride	<1	<1
Xylenes, total	<2	<2
Zinc, total	<20.0	<5.0

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

Table 9

Analytical Data Summary for MW-3

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
(3,4)-methylphenol	ug/L	<8								
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	8.0	6.5	7.2	7.6	6.0	7.6	8.0	8.5	8.1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L	<1								
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L	<8								
1,2,4-trichlorobenzene	ug/L	<1								
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	1.1	1.5	<1.0	<1.0	<1.0	<1.0	1.2	1.0	<1.0
1,2-dichloroethane	ug/L	2.7	2.6	2.4	2.6	2.4	2.8	2.9	3.2	3.0
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L	<8								
1,3,5-trinitrobenzene	ug/L	<8								
1,3-dichlorobenzene	ug/L	<1								
1,3-dichloropropane	ug/L	<1								
1,3-dinitrobenzene	ug/L	<8								
1,4-dichlorobenzene	ug/L	10.2	11.5	5.7	8.2	3.2	6.5	7.6	8.1	2.7
1,4-naphthoquinone	ug/L	<8								
1,4-phenylenediamine	ug/L	<8								
1-naphthylamine	ug/L	<8								
2,2-dichloropropane	ug/L	<1								
2,3,4,6-tetrachlorophenol	ug/L	<8								
2,4,5-t	ug/L	<5								
2,4,5-tp (silvex)	ug/L	<5								
2,4,5-trichlorophenol	ug/L	<8								
2,4,6-trichlorophenol	ug/L	<8								
2,4-d	ug/L	<2								
2,4-dichlorophenol	ug/L	<8								
2,4-dimethylphenol	ug/L	<8								
2,4-dinitrophenol	ug/L	<8								
2,4-dinitrotoluene	ug/L	<8								
2,6-dichlorophenol	ug/L	<8								
2,6-dinitrotoluene	ug/L	<8								
2-acetylaminofluorene	ug/L	<8								
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L	<8								
2-chlorophenol	ug/L	<8								
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L	<8								
2-methylphenol	ug/L	<8								
2-naphthylamine	ug/L	<8								
2-nitroaniline	ug/L	<8								
2-nitrophenol	ug/L	<8								
3,3'-dichlorobenzidine	ug/L	<8								
3,3'-dimethylbenzidine	ug/L	<8								
3-methylcholanthrene	ug/L	<8								
3-nitroaniline	ug/L	<8								
4,4'-ddd	ug/L	<.05								
4,4'-dde	ug/L	<.05								
4,4'-ddt	ug/L	<.05								
4,6-dinitro-2-methylphenol	ug/L	<8								
4-aminobiphenyl	ug/L	<8								
4-bromophenyl phenyl ether	ug/L	<8								
4-chloro-3-methylphenol	ug/L	<8								
4-chloroaniline	ug/L	<8								
4-chlorophenyl phenyl ether	ug/L	<8								
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L	<8								
4-nitrophenol	ug/L	<8								
5-nitro-o-toluidine	ug/L	<8								
7,12-dimethylbenz(a)anthracene	ug/L	<8								
Acenaphthene	ug/L	<8								
Acenaphthylene	ug/L	<8								
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L	<10								
Acetophenone	ug/L	<8								
Acrolein	ug/L	<10								
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L	<.05								
Allyl chloride	ug/L	<1								
Alpha-bhc	ug/L	<.05								
Anthracene	ug/L	<8								

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

Table 9

Analytical Data Summary for MW-3

Constituents	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023
(3,4)-methylphenol		<8								
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	6.9	7.6	5.5	5.9	7.4	7.2	6.4	7.5	6.3	6.5
1,1-dichloroethylene	<1	<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
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	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	1.0	1.0	1.3
1,2-dichloroethane	1.4	2.6	<1.0	<1.0	2.5	2.3	2.6	2.1	<1.0	<1.0
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene		<8								
1,3,5-trinitrobenzene		<8								
1,3-dichlorobenzene		<1								
1,3-dichloropropane		<1								
1,3-dinitrobenzene		<8								
1,4-dichlorobenzene	3.7	<1.0	11.7	<1.0	15.6	12.7	8.3	11.8	11.3	6.9
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	<10
2-chloronaphthalene		<8								
2-chlorophenol		<8								
2-hexanone (mbk)	<5	<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	<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	<10
Acetonitrile		<10								
Acetophenone		<8								
Acrolein		<10								
Acrylonitrile	<5	<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-3

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L	<1								
Arochlor 1221	ug/L	<2								
Arochlor 1232	ug/L	<2								
Arochlor 1242	ug/L	<2								
Arochlor 1248	ug/L	<2								
Arochlor 1254	ug/L	<1								
Arochlor 1260	ug/L	<1								
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene	ug/L	<8								
Barium, total	ug/L	931	1160	675	593	620	588	502	496	535
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L	<8								
Benzo(a)pyrene	ug/L	<8								
Benzo(b)fluoranthene	ug/L	<8								
Benzo(g,h,i)perylene	ug/L	<8								
Benzo(k)fluoranthene	ug/L	<8								
Benzyl alcohol	ug/L	<8								
Beryllium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Beta-bhc	ug/L	<.05								
Bis (2-chloroethoxy) methane	ug/L	<8								
Bis(2-chloroethyl) ether	ug/L	<8								
Bis(2-chloroisopropyl) ether	ug/L	<8								
Bis(2-ethylhexyl)phthalate	ug/L	<8								
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L	<8								
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L	<1								
Chlorobenzene	ug/L	1.5	1.5	<1.0	1.2	<1.0	<1.0	1.5	1.3	1.0
Chlorobenzilate	ug/L	<8								
Chloroethane	ug/L	1.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L	<1								
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L	<8								
Cis-1,2-dichloroethylene	ug/L	3.7	3.7	3.0	3.5	2.3	3.3	3.8	3.3	3.7
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	4.9	7.8	1.4	2.3	3.8	5.1	3.2	2.7	2.8
Copper, total	ug/L	4.4	6.7	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005
Delta-bhc	ug/L	<.05								
Diallate	ug/L	<8								
Dibenzo(a,h)anthracene	ug/L	<8								
Dibenzofuran	ug/L	<8								
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	9.5	11.2	7.6	7.7	6.1	8.0	9.0	7.6	5.7
Dieldrin	ug/L	<.05								
Diethyl phthalate	ug/L	<8								
Dimethoate	ug/L	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.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	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Famphur	ug/L	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.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	<4.03 *								

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

Table 9

Analytical Data Summary for MW-3

Constituents	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023
Antimony, total	<2	<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	<4
Azobenzene		<8								
Barium, total	542	627	857	699	870	914	866	1140	1260	1060
Benzene	<1	<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	<4	<4	<4	<4	<4	<4	<4	<4	<4
Beta-bhc		<.05								
Bis (2-chloroethoxy) methane		<8								
Bis(2-chloroethyl) ether		<8								
Bis(2-chloroisopropyl) ether		<8								
Bis(2-ethylhexyl)phthalate		<6								
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate		<8								
Cadmium, total	<.8	<.8	<.8	<.8	5.3	<.8	<.8	4.1	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane		<1								
Chlorobenzene	1.1	1.3	<1.0	<1.0	1.7	2.0	1.9	2.0	1.6	2.7
Chlorobenzilate		<8								
Chloroethane	<1.0	<1.0	<1.0	<1.0	1.1	1.2	<1.0	1.2	<1.0	1.1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene		<1								
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene		<8								
Cis-1,2-dichloroethylene	3.1	3.4	2.5	1.5	2.6	3.0	2.6	3.1	2.4	2.5
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	2.6	6.1	20.3	14.8	15.3	12.9	9.8	14.0	15.2	7.8
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	8.1	<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	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane		3.3								
Dieldrin		<.05								
Diethyl phthalate		<8								
Dimethoate		<.4								
Dimethylphthalate		<8								
Di-n-butyl phthalate		<8								
Di-n-octyl phthalate		<8								
Dinoseb		<.5								
Diphenylamine		<8								
Disulfoton		<.4								
Endosulfan i		<.05								
Endosulfan ii		<.05								
Endosulfan sulfate		<.05								
Endrin		<.05								
Endrin aldehyde		<.05								
Ethyl methacrylate		<10								
Ethyl methanesulfonate		<8								
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	6.6	<1.0
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	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
Hexachlorobutadiene	ug/L	<8								
Hexachlorocyclopentadiene	ug/L	<8								
Hexachloroethane	ug/L	<8								
Hexachloropropene	ug/L	<8								
Indeno(1,2,3-cd)pyrene	ug/L	<8								
Isobutanol	mg/L	<1								
Isodrin	ug/L	<8								
Isophorone	ug/L	<8								
Isosafrole	ug/L	<8								
Kepone	ug/L	<8								
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L	<.5								
Methacrylonitrile	ug/L	<1								
Methapyrilene	ug/L	<8								
Methoxychlor	ug/L	<.05								
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L	<1								
Methyl methanesulfonate	ug/L	<8								
Methyl parathion	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L	<8								
Nickel, total	ug/L	14.8	25.0	5.8	6.4	7.7	9.1	6.0	5.3	6.5
Nitrobenzene	ug/L	<8								
N-nitrosodiethylamine	ug/L	<8								
N-nitrosodimethylamine	ug/L	<8								
N-nitrosodi-n-butylamine	ug/L	<8								
N-nitroso-di-n-propylamine	ug/L	<8								
N-nitrosodiphenylamine	ug/L	<8								
N-nitrosomethylethylamine	ug/L	<8								
N-nitrosopiperidine	ug/L	<8								
N-nitrosopyrrolidine	ug/L	<8								
O,o,o-triethyl phosphorothioate	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
O-toluidine	ug/L	<8								
Parathion	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<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	.5	<4	<4	.4	<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	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	66	25	25						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L	<1								
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Thionazin	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Tin, total	ug/L	<20								
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L	<2								
Trans-1,2-dichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.4
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	1.2	1.2	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	1.1	1.4	<1.0	<1.0	<1.0	<1.0	1.2	1.0	<1.0
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	21.0	9.5	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-3

Constituents	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023
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	<4
Mercury, total		<.5								
Methacrylonitrile		<1								
Methapyrilene		<8								
Methoxychlor		<.05								
Methyl iodide	<1	<1	<1	<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	<5	<5	<5
Naphthalene		<8								
Nickel, total	6.9	9.3	23.1	17.7	19.8	16.7	17.8	23.9	25.0	16.2
Nitrobenzene		<8								
N-nitrosodiethylamine		<8								
N-nitrosodimethylamine		<8								
N-nitrosodi-n-butylamine		<8								
N-nitroso-di-n-propylamine		<8								
N-nitrosodiphenylamine		<8								
N-nitrosomethylethylamine		<8								
N-nitrosopiperidine		<8								
N-nitrosopyrrolidine		<8								
O,o,o-triethyl phosphorothioate		<.4								
O-toluidine		<8								
Parathion		<.4								
P-dimethylaminoazobenzene		<8								
Pentachlorobenzene		<8								
Pentachloronitrobenzene (pcnb)		<8								
Pentachlorophenol		<8								
Phenacetin		<8								
Phenanthrene		<8								
Phenol		<8								
Phorate		<.4								
Pronamide		<8								
Propionitrile		<10								
Pyrene		<8								
Safrole		<8								
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended										
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total		<.1								
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4	<2	<2	<2	<2	<2	<2	<2	<2	<2
Thionazin		<.4								
Tin, total		<20								
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene		<.2								
Trans-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	28.2	58.1	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-5

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
(3,4)-methylphenol	ug/L	<8								
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	1.9	1.6	<1.0	1.4	<1.0	4.3	<1.0	1.4	1.2
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L	<1								
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L	<8								
1,2,4-trichlorobenzene	ug/L	<1								
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L	<8								
1,3,5-trinitrobenzene	ug/L	<8								
1,3-dichlorobenzene	ug/L	<1								
1,3-dichloropropane	ug/L	<1								
1,3-dinitrobenzene	ug/L	<8								
1,4-dichlorobenzene	ug/L	<1.0	1.4	<1.0	1.4	<1.0	1.2	<1.0	1.6	<1.0
1,4-naphthoquinone	ug/L	<8								
1,4-phenylenediamine	ug/L	<8								
1-naphthylamine	ug/L	<8								
2,2-dichloropropane	ug/L	<1								
2,3,4,6-tetrachlorophenol	ug/L	<8								
2,4,5-t	ug/L	<5								
2,4,5-tp (silvex)	ug/L	<5								
2,4,5-trichlorophenol	ug/L	<8								
2,4,6-trichlorophenol	ug/L	<8								
2,4-d	ug/L	<2								
2,4-dichlorophenol	ug/L	<8								
2,4-dimethylphenol	ug/L	<8								
2,4-dinitrophenol	ug/L	<8								
2,4-dinitrotoluene	ug/L	<8								
2,6-dichlorophenol	ug/L	<8								
2,6-dinitrotoluene	ug/L	<8								
2-acetylaminofluorene	ug/L	<8								
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L	<8								
2-chlorophenol	ug/L	<8								
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L	<8								
2-methylphenol	ug/L	<8								
2-naphthylamine	ug/L	<8								
2-nitroaniline	ug/L	<8								
2-nitrophenol	ug/L	<8								
3,3'-dichlorobenzidine	ug/L	<8								
3,3'-dimethylbenzidine	ug/L	<8								
3-methylcholanthrene	ug/L	<8								
3-nitroaniline	ug/L	<8								
4,4'-ddd	ug/L	<.05								
4,4'-dde	ug/L	<.05								
4,4'-ddt	ug/L	<.05								
4,6-dinitro-2-methylphenol	ug/L	<8								
4-aminobiphenyl	ug/L	<8								
4-bromophenyl phenyl ether	ug/L	<8								
4-chloro-3-methylphenol	ug/L	<8								
4-chloroaniline	ug/L	<8								
4-chlorophenyl phenyl ether	ug/L	<8								
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L	<8								
4-nitrophenol	ug/L	<8								
5-nitro-o-toluidine	ug/L	<8								
7,12-dimethylbenz(a)anthracene	ug/L	<8								
Acenaphthene	ug/L	<8								
Acenaphthylene	ug/L	<8								
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	19.6	<10.0
Acetonitrile	ug/L	<10								
Acetophenone	ug/L	<8								
Acrolein	ug/L	<10								
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L	<.05								
Allyl chloride	ug/L	<1								
Alpha-bhc	ug/L	<.05								
Anthracene	ug/L	<8								

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

Table 9

Analytical Data Summary for MW-5

Constituents	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023
(3,4)-methylphenol		<8								
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	1.1	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<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
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	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene		<8								
1,3,5-trinitrobenzene		<8								
1,3-dichlorobenzene		<1								
1,3-dichloropropane		<1								
1,3-dinitrobenzene		<8								
1,4-dichlorobenzene	1.2	<1.0	1.5	<1.0	1.7	1.8	<1.0	<1.0	<1.0	<1.0
1,4-naphthoquinone		<8								
1,4-phenylenediamine		<8								
1-naphthylamine		<8								
2,2-dichloropropane		<1								
2,3,4,6-tetrachlorophenol		<8								
2,4,5-t		<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	<10
2-chloronaphthalene		<8								
2-chlorophenol		<8								
2-hexanone (mbk)	<5	<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	<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	<10.0
Acetonitrile		<10								
Acetophenone		<8								
Acrolein		<10								
Acrylonitrile	<5	<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-5

Constituents	9/26/2023	3/1/2024	9/11/2024	3/17/2025	9/17/2025
(3,4)-methylphenol		<8			
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1
1,1-dichloropropene		<1			
1,2,3-trichloropropane	<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
1,2-dibromoethane	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1
1,2-dinitrobenzene		<8			
1,3,5-trinitrobenzene		<8			
1,3-dichlorobenzene		<1			
1,3-dichloropropane		<1			
1,3-dinitrobenzene		<8			
1,4-dichlorobenzene	1.2	<1.0	<1.0	<1.0	<1.0
1,4-naphthoquinone		<8			
1,4-phenylenediamine		<8			
1-naphthylamine		<8			
2,2-dichloropropane		<1			
2,3,4,6-tetrachlorophenol		<8			
2,4,5-t		<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
2-chloronaphthalene		<8			
2-chlorophenol		<8			
2-hexanone (mbk)	<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
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
Acetonitrile		<10			
Acetophenone		<8			
Acrolein		<10			
Acrylonitrile	<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-5

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L	<1								
Arochlor 1221	ug/L	<2								
Arochlor 1232	ug/L	<2								
Arochlor 1242	ug/L	<2								
Arochlor 1248	ug/L	<2								
Arochlor 1254	ug/L	<1								
Arochlor 1260	ug/L	<1								
Arsenic, total	ug/L	10.3	10.2	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene	ug/L	<8								
Barium, total	ug/L	680		494	568	409	567	429	444	397
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene	ug/L	<8								
Benzo(a)pyrene	ug/L	<8								
Benzo(b)fluoranthene	ug/L	<8								
Benzo(g,h,i)perylene	ug/L	<8								
Benzo(k)fluoranthene	ug/L	<8								
Benzyl alcohol	ug/L	<8								
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L	<.05								
Bis (2-chloroethoxy) methane	ug/L	<8								
Bis(2-chloroethyl) ether	ug/L	<8								
Bis(2-chloroisopropyl) ether	ug/L	<8								
Bis(2-ethylhexyl)phthalate	ug/L	<8								
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L	<8								
Cadmium, total	ug/L	<.8	<.8	<.8	.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L	<1								
Chlorobenzene	ug/L	<1.0	2.8	<1.0	4.0	<1.0	4.4	1.1	5.3	2.6
Chlorobenzilate	ug/L	<8								
Chloroethane	ug/L	<1	1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L	<1								
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L	<8								
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	15.1	21.2	7.1	11.4	<.8	14.1	<.8	5.3	1.1
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L	<.005								
Delta-bhc	ug/L	<.05								
Diallate	ug/L	<8								
Dibenzo(a,h)anthracene	ug/L	<8								
Dibenzofuran	ug/L	<8								
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1								
Dieldrin	ug/L	<.05								
Diethyl phthalate	ug/L	<8								
Dimethoate	ug/L	<.4								
Dimethylphthalate	ug/L	<8								
Di-n-butyl phthalate	ug/L	<8								
Di-n-octyl phthalate	ug/L	<8								
Dinoseb	ug/L	<.5								
Diphenylamine	ug/L	<8								
Disulfoton	ug/L	<.4								
Endosulfan i	ug/L	<.05								
Endosulfan ii	ug/L	<.05								
Endosulfan sulfate	ug/L	<.05								
Endrin	ug/L	<.05								
Endrin aldehyde	ug/L	<.05								
Ethyl methacrylate	ug/L	<10								
Ethyl methanesulfonate	ug/L	<8								
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L	<.4								
Fluoranthene	ug/L	<8								
Fluorene	ug/L	<8								
Gamma-bhc (lindane)	ug/L	<.05								
Heptachlor	ug/L	<.05								
Heptachlor epoxide	ug/L	<.05								
Hexachlorobenzene	ug/L	<4.03 *								

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

Table 9

Analytical Data Summary for MW-5

Constituents	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016		<1								
Arochlor 1221		<2								
Arochlor 1232		<2								
Arochlor 1242		<2								
Arochlor 1248		<2								
Arochlor 1254		<1								
Arochlor 1260		<1								
Arsenic, total	<4.0	<4.0	5.9	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene		<8								
Barium, total	353	416	503	440	455	410	335	375	442	391
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene		<8								
Benzo(a)pyrene		<8								
Benzo(b)fluoranthene		<8								
Benzo(g,h,i)perylene		<8								
Benzo(k)fluoranthene		<8								
Benzyl alcohol		<8								
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc		<.05								
Bis (2-chloroethoxy) methane		<8								
Bis(2-chloroethyl) ether		<8								
Bis(2-chloroisopropyl) ether		<8								
Bis(2-ethylhexyl)phthalate		76								
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate		<8								
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane		<1								
Chlorobenzene	4.8	3.0	3.4	<1.0	5.3	6.4	2.5	1.3	1.5	1.2
Chlorobenzilate		<8								
Chloroethane	<1	<1	<1	<1	<1	1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene		<1								
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene		<8								
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	1.0	1.6	10.6	1.0	14.4	7.8	.9	.8	10.1	1.3
Copper, total	<4.0	<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	<1
Dibromomethane	<1	<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	<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-5

Constituents	9/26/2023	3/1/2024	9/11/2024	3/17/2025	9/17/2025
Antimony, total		<2	<2	<2	<1
Arochlor 1016		<2			
Arochlor 1221		<2			
Arochlor 1232		<2			
Arochlor 1242		<2			
Arochlor 1248		<2			
Arochlor 1254		<2			
Arochlor 1260		<2			
Arsenic, total		<4.0	<4.0	<4.0	<2.0
Azobenzene		<8			
Barium, total		549	381	317	324
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene		<8			
Benzo(a)pyrene		<8			
Benzo(b)fluoranthene		<8			
Benzo(g,h,i)perylene		<8			
Benzo(k)fluoranthene		<8			
Benzyl alcohol		<8			
Beryllium, total		<4.0	<4.0	<4.0	<.5
Beta-bhc		<.05			
Bis (2-chloroethoxy) methane		<8			
Bis(2-chloroethyl) ether		<8			
Bis(2-chloroisopropyl) ether		<8			
Bis(2-ethylhexyl)phthalate		13	<6		
Bromochloromethane	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1
Butyl benzyl phthalate		<8			
Cadmium, total		<.8	<.8	<.8	.2
Carbon disulfide	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1
Chlordane		<.1			
Chlorobenzene	3.9	<1.0	<1.0	1.8	<1.0
Chlorobenzilate		<8			
Chloroethane	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1
Chloroprene		<1			
Chromium, total		<8	<8	<8	<1
Chrysene		<8			
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1
Cobalt, total		8.0	1.1	<.4	<.5
Copper, total		6.9	<4.0	<4.0	<5.0
Cyanide, total		<.005			
Delta-bhc		<.05			
Diallate		<8			
Dibenzo(a,h)anthracene		<8			
Dibenzofuran		<8			
Dibromochloromethane	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1
Dichlorodifluoromethane		<1			
Dieldrin		<.05			
Diethyl phthalate		<8			
Dimethoate		<.4			
Dimethylphthalate		<8			
Di-n-butyl phthalate		<8			
Di-n-octyl phthalate		<8			
Dinoseb		<.5			
Diphenylamine		<8			
Disulfoton		<.4			
Endosulfan i		<.05			
Endosulfan ii		<.05			
Endosulfan sulfate		<.05			
Endrin		<.05			
Endrin aldehyde		<.05			
Ethyl methacrylate		<10			
Ethyl methanesulfonate		<8			
Ethylbenzene	<1	<1	<1	<1	<1
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-5

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
Hexachlorobutadiene	ug/L	<8								
Hexachlorocyclopentadiene	ug/L	<8								
Hexachloroethane	ug/L	<8								
Hexachloropropene	ug/L	<8								
Indeno(1,2,3-cd)pyrene	ug/L	<8								
Isobutanol	mg/L	<1								
Isodrin	ug/L	<8								
Isophorone	ug/L	<8								
Isosafrole	ug/L	<8								
Kepone	ug/L	<8								
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L	<.5								
Methacrylonitrile	ug/L	<1								
Methapyrilene	ug/L	<8								
Methoxychlor	ug/L	<.05								
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L	<1								
Methyl methanesulfonate	ug/L	<8								
Methyl parathion	ug/L	<4								
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L	<8								
Nickel, total	ug/L	38.4	52.4	32.2	38.5	13.9	20.0	28.0	15.7	11.2
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	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	29	6							
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L	<1								
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<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	<1	<1
Toxaphene	ug/L	<2								
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	10.6	8.2	<8.0	<8.0	8.8	<8.0	<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-5

Constituents	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023
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	<4
Mercury, total		<.5								
Methacrylonitrile		<1								
Methapyrilene		<8								
Methoxychlor		<.05								
Methyl iodide	<1	<1	<1	<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	<5	<5	<5
Naphthalene		<8								
Nickel, total	9.2	13.1	20.2	13.2	16.5	10.7	9.5	10.6	21.0	12.1
Nitrobenzene		<8								
N-nitrosodiethylamine		<8								
N-nitrosodimethylamine		<8								
N-nitrosodi-n-butylamine		<8								
N-nitroso-di-n-propylamine		<8								
N-nitrosodiphenylamine		<8								
N-nitrosomethylethylamine		<8								
N-nitrosopiperidine		<8								
N-nitrosopyrrolidine		<8								
O,o,o-triethyl phosphorothioate		<.4								
O-toluidine		<8								
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	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended										
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total		<.1								
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin		<.4								
Tin, total		<20								
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene		<.2								
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	24.5	24.4	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-5

Constituents	9/26/2023	3/1/2024	9/11/2024	3/17/2025	9/17/2025
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	<1
Mercury, total		<.5			
Methacrylonitrile		<1			
Methapyrilene		<8			
Methoxychlor		<.05			
Methyl iodide	<1	<2	<1	<1	<1
Methyl methacrylate		<1			
Methyl methanesulfonate		<8			
Methyl parathion		<.4			
Methylene chloride	<5	<5	<5	<5	<5
Naphthalene		<8			
Nickel, total		29.9	14.0	10.6	13.2
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	<2
Silver, total		<4	<4	<4	<5
Solids, total suspended					
Styrene	<1	<1	<1	<1	<1
Sulfide, total		<.1			
Tetrachloroethylene	<1	<1	<1	<1	<1
Thallium, total		<2.0	<2.0	<2.0	<.5
Thionazin		<.4			
Tin, total		<20			
Toluene	<1	<1	<1	<1	<1
Toxaphene		<.2			
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1
Vanadium, total		<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2
Zinc, total		<20.0	<20.0	<20.0	22.0

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

Table 9

Analytical Data Summary for MW-6

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
(3,4)-methylphenol	ug/L					<8		<8		
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L					<1		<1		
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L					<8		<8		
1,2,4-trichlorobenzene	ug/L					<1		<1		
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L					<8		<8		
1,3,5-trinitrobenzene	ug/L					<8		<8		
1,3-dichlorobenzene	ug/L					<1		<1		
1,3-dichloropropane	ug/L					<1		<1		
1,3-dinitrobenzene	ug/L					<8		<8		
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L					<8		<8		
1,4-phenylenediamine	ug/L					<8		<8		
1-naphthylamine	ug/L					<8		<8		
2,2-dichloropropane	ug/L					<1		<1		
2,3,4,6-tetrachlorophenol	ug/L					<8		<8		
2,4,5-t	ug/L					<.5		<.5		
2,4,5-tp (silvex)	ug/L					<.5		<.5		
2,4,5-trichlorophenol	ug/L					<8		<8		
2,4,6-trichlorophenol	ug/L					<8		<8		
2,4-d	ug/L					<2		<2		
2,4-dichlorophenol	ug/L					<8		<8		
2,4-dimethylphenol	ug/L					<8		<8		
2,4-dinitrophenol	ug/L					<8		<8		
2,4-dinitrotoluene	ug/L					<8		<8		
2,6-dichlorophenol	ug/L					<8		<8		
2,6-dinitrotoluene	ug/L					<8		<8		
2-acetylaminofluorene	ug/L					<8		<8		
2-butanone (mek)	ug/L	<5	<5	<5	<5	<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	<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
4-nitroaniline	ug/L					<8		<8		
4-nitrophenol	ug/L					<8		<8		
5-nitro-o-toluidine	ug/L					<8		<8		
7,12-dimethylbenz(a)anthracene	ug/L					<8		<8		
Acenaphthene	ug/L					<8		<8		
Acenaphthylene	ug/L					<8		<8		
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L					<10		<10		
Acetophenone	ug/L					<8		<8		
Acrolein	ug/L					<10		<10		
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L					<.05		<.05		
Allyl chloride	ug/L					<1		<1		
Alpha-bhc	ug/L					<.05		<.05		
Anthracene	ug/L					<8		<8		

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

Table 9

Analytical Data Summary for MW-6

Constituents	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023
(3,4)-methylphenol								<8		
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene								<1		
1,2,3-trichloropropane	<1	<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	<1	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-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
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	<10
2-chloronaphthalene								<8		
2-chlorophenol								<8		
2-hexanone (mbk)	<5	<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	<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	<10
Acetonitrile								<10		
Acetophenone								<8		
Acrolein								<10		
Acrylonitrile	<5	<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	9/26/2023	3/1/2024	9/11/2024	3/17/2025	9/17/2025
(3,4)-methylphenol					
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1
1,1-dichloropropene					
1,2,3-trichloropropane	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					
1,2,4-trichlorobenzene					
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1
1,2-dinitrobenzene					
1,3,5-trinitrobenzene					
1,3-dichlorobenzene					
1,3-dichloropropane					
1,3-dinitrobenzene					
1,4-dichlorobenzene	<1	<1	<1	<1	<1
1,4-naphthoquinone					
1,4-phenylenediamine					
1-naphthylamine					
2,2-dichloropropane					
2,3,4,6-tetrachlorophenol					
2,4,5-t					
2,4,5-tp (silvex)					
2,4,5-trichlorophenol					
2,4,6-trichlorophenol					
2,4-d					
2,4-dichlorophenol					
2,4-dimethylphenol					
2,4-dinitrophenol					
2,4-dinitrotoluene					
2,6-dichlorophenol					
2,6-dinitrotoluene					
2-acetylaminofluorene					
2-butanone (mek)	<10	<10	<10	<10	<10
2-chloronaphthalene					
2-chlorophenol					
2-hexanone (mbk)	<5	<5	<5	<5	<5
2-methylnaphthalene					
2-methylphenol					
2-naphthylamine					
2-nitroaniline					
2-nitrophenol					
3,3'-dichlorobenzidine					
3,3'-dimethylbenzidine					
3-methylcholanthrene					
3-nitroaniline					
4,4'-ddd					
4,4'-dde					
4,4'-ddt					
4,6-dinitro-2-methylphenol					
4-aminobiphenyl					
4-bromophenyl phenyl ether					
4-chloro-3-methylphenol					
4-chloroaniline					
4-chlorophenyl phenyl ether					
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5
4-nitroaniline					
4-nitrophenol					
5-nitro-o-toluidine					
7,12-dimethylbenz(a)anthracene					
Acenaphthene					
Acenaphthylene					
Acetone	<10	<10	<10	<10	<10
Acetonitrile					
Acetophenone					
Acrolein					
Acrylonitrile	<5	<5	<5	<5	<5
Aldrin					
Allyl chloride					
Alpha-bhc					
Anthracene					

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

Table 9

Analytical Data Summary for MW-6

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L					<1		<1		
Arochlor 1221	ug/L					<2		<2		
Arochlor 1232	ug/L					<2		<2		
Arochlor 1242	ug/L					<2		<2		
Arochlor 1248	ug/L					<2		<2		
Arochlor 1254	ug/L					<1		<1		
Arochlor 1260	ug/L					<1		<1		
Arsenic, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	5.9	<4.0	5.6	4.4
Azobenzene	ug/L					<8		<8		
Barium, total	ug/L	272	218	208	233	211	252	224	230	214
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L					<8		<8		
Benzo(a)pyrene	ug/L					<8		<8		
Benzo(b)fluoranthene	ug/L					<8		<8		
Benzo(g,h,i)perylene	ug/L					<8		<8		
Benzo(k)fluoranthene	ug/L					<8		<8		
Benzyl alcohol	ug/L					<8		<8		
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L					<.05		<.05		
Bis (2-chloroethoxy) methane	ug/L					<8		<8		
Bis(2-chloroethyl) ether	ug/L					<8		<8		
Bis(2-chloroisopropyl) ether	ug/L					<8		<8		
Bis(2-ethylhexyl)phthalate	ug/L	<10	<10	<10	<10	<8	12	<8	<6	<6
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L					<8		<8		
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L					<1		<1		
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L					<8		<8		
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L					<1		<1		
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L					<8		<8		
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<4.0	<.8	<.8	5.7	<.8	12.0	1.1	1.7	1.5
Copper, total	ug/L	4.9	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L							.009	<.005	<.005
Delta-bhc	ug/L					<.05		<.05		
Diallate	ug/L					<8		<8		
Dibenzo(a,h)anthracene	ug/L					<8		<8		
Dibenzofuran	ug/L					<8		<8		
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L					<1		<1		
Dieldrin	ug/L					<.05		<.05		
Diethyl phthalate	ug/L					<8		<8		
Dimethoate	ug/L					<.4		<.4		
Dimethylphthalate	ug/L					<8		<8		
Di-n-butyl phthalate	ug/L					<8		<8		
Di-n-octyl phthalate	ug/L					<8		<8		
Dinoseb	ug/L					<.5		<.5		
Diphenylamine	ug/L					<8		<8		
Disulfoton	ug/L					<.4		<.4		
Endosulfan i	ug/L					<.05		<.05		
Endosulfan ii	ug/L					<.05		<.05		
Endosulfan sulfate	ug/L					<.05		<.05		
Endrin	ug/L					<.05		<.05		
Endrin aldehyde	ug/L					<.05		<.05		
Ethane	ug/L									
Ethene	ug/L									
Ethyl methacrylate	ug/L					<10		<10		
Ethyl methanesulfonate	ug/L					<8		<8		
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L					<.4		<.4		
Fluoranthene	ug/L					<8		<8		
Fluorene	ug/L					<8		<8		
Gamma-bhc (lindane)	ug/L					<.05		<.05		
Heptachlor	ug/L					<.05		<.05		

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

Table 9

Analytical Data Summary for MW-6

Constituents	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023
Antimony, total	<2	<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	4.2	8.0	8.3	15.9	11.9	12.5	8.8	6.4	8.5	7.0
Azobenzene								<8		
Barium, total	221	221	217	267	224	256	193	237	255	254
Benzene	<1	<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	<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	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate								<8		
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane								<.1		
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate								<8		
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene								<1		
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene								<8		
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	.8	<.8	<.8	<.8	<.4	<.4	<.4	<.4	1.2	1.0
Copper, total	<4.0	<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	<1
Dibromomethane	<1	<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		
Ethane										
Ethene										
Ethyl methacrylate								<10		
Ethyl methanesulfonate								<8		
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur								<.4		
Fluoranthene								<8		
Fluorene								<8		
Gamma-bhc (lindane)								<.05		
Heptachlor								<.05		

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

Table 9

Analytical Data Summary for MW-6

Constituents	9/26/2023	3/1/2024	9/11/2024	3/17/2025	9/17/2025
Antimony, total	<2	<2	<2	<2	<1
Arochlor 1016					
Arochlor 1221					
Arochlor 1232					
Arochlor 1242					
Arochlor 1248					
Arochlor 1254					
Arochlor 1260					
Arsenic, total	5.5	4.3	<4.0	<4.0	<2.0
Azobenzene					
Barium, total	246	234	214	211	192
Benzene	<1	<1	<1	<1	<1
Benzo(a)anthracene					
Benzo(a)pyrene					
Benzo(b)fluoranthene					
Benzo(g,h,i)perylene					
Benzo(k)fluoranthene					
Benzyl alcohol					
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<.5
Beta-bhc					
Bis (2-chloroethoxy) methane					
Bis(2-chloroethyl) ether					
Bis(2-chloroisopropyl) ether					
Bis(2-ethylhexyl)phthalate					
Bromochloromethane	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1
Butyl benzyl phthalate					
Cadmium, total	1.1	<.8	<.8	<.8	.5
Carbon disulfide	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1
Chlordane					
Chlorobenzene	<1	<1	<1	<1	<1
Chlorobenzilate					
Chloroethane	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1
Chloroprene					
Chromium, total	<8	<8	<8	<8	<1
Chrysene					
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1
Cobalt, total	.8	.5	.7	.4	.5
Copper, total	<4.0	<4.0	<4.0	<4.0	<5.0
Cyanide, total					
Delta-bhc					
Diallate					
Dibenzo(a,h)anthracene					
Dibenzofuran					
Dibromochloromethane	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1
Dichlorodifluoromethane					
Dieldrin					
Diethyl phthalate					
Dimethoate					
Dimethylphthalate					
Di-n-butyl phthalate					
Di-n-octyl phthalate					
Dinoseb					
Diphenylamine					
Disulfoton					
Endosulfan i					
Endosulfan ii					
Endosulfan sulfate					
Endrin					
Endrin aldehyde					
Ethane					<5
Ethene					<5
Ethyl methacrylate					
Ethyl methanesulfonate					
Ethylbenzene	<1	<1	<1	<1	<1
Famphur					
Fluoranthene					
Fluorene					
Gamma-bhc (lindane)					
Heptachlor					

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

Table 9

Analytical Data Summary for MW-6

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
Heptachlor epoxide	ug/L					<.05		<.05		
Hexachlorobenzene	ug/L					<.05		<.05		
Hexachlorobutadiene	ug/L					<8		<8		
Hexachlorocyclopentadiene	ug/L					<8		<8		
Hexachloroethane	ug/L					<8		<8		
Hexachloropropene	ug/L					<8		<8		
Indeno(1,2,3-cd)pyrene	ug/L					<8		<8		
Isobutanol	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
Mercury, total	ug/L					<.5		<.5		
Methacrylonitrile	ug/L					<1		<1		
Methane	ug/L									
Methapyrilene	ug/L					<8		<8		
Methoxychlor	ug/L					<.05		<.05		
Methyl iodide	ug/L	<1	<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
Naphthalene	ug/L					<8		<8		
Nickel, total	ug/L	4.8	<4.0	<4.0	9.9	<4.0	10.0	4.7	<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	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L		28	10						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L					<.1		<.1		
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<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	<1	<1
Toxaphene	ug/L					<.2		<.2		
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	42.1	<8.0

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

Table 9

Analytical Data Summary for MW-6

Constituents	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023
Heptachlor epoxide								<.05		
Hexachlorobenzene								<.05		
Hexachlorobutadiene								<8		
Hexachlorocyclopentadiene								<8		
Hexachloroethane								<8		
Hexachloropropene								<8		
Indeno(1,2,3-cd)pyrene								<8		
Isobutanol								<1		
Isodrin								<8		
Isophorone								<8		
Isosafrole								<8		
Kepon								<8		
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total								<.5		
Methacrylonitrile								<1		
Methane										
Methapyrene								<8		
Methoxychlor								<.05		
Methyl iodide	<1	<1	<1	<2	<1	<1	<1	<2	<1	<1
Methyl methacrylate								<1		
Methyl methanesulfonate								<8		
Methyl parathion								<.4		
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene								<8		
Nickel, total	<4.0	<4.0	<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	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended										
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total								<.1		
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin								<.4		
Tin, total								<20		
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene								<.2		
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-6

Constituents	9/26/2023	3/1/2024	9/11/2024	3/17/2025	9/17/2025
Heptachlor epoxide					
Hexachlorobenzene					
Hexachlorobutadiene					
Hexachlorocyclopentadiene					
Hexachloroethane					
Hexachloropropene					
Indeno(1,2,3-cd)pyrene					
Isobutanol					
Isodrin					
Isophorone					
Isosafrole					
Kepone					
Lead, total	<4	<4	<4	<4	<1
Mercury, total					
Methacrylonitrile					
Methane					87.3
Methapyrilene					
Methoxychlor					
Methyl iodide	<1	<1	<1	<1	<1
Methyl methacrylate					
Methyl methanesulfonate					
Methyl parathion					
Methylene chloride	<5	<5	<5	<5	<5
Naphthalene					
Nickel, total	<4.0	<4.0	<4.0	<4.0	<5.0
Nitrobenzene					
N-nitrosodiethylamine					
N-nitrosodimethylamine					
N-nitrosodi-n-butylamine					
N-nitroso-di-n-propylamine					
N-nitrosodiphenylamine					
N-nitrosomethylethylamine					
N-nitrosopiperidine					
N-nitrosopyrrolidine					
O,o,o-triethyl phosphorothioate					
O-toluidine					
Parathion					
P-dimethylaminoazobenzene					
Pentachlorobenzene					
Pentachloronitrobenzene (pcnb)					
Pentachlorophenol					
Phenacetin					
Phenanthrene					
Phenol					
Phorate					
Pronamide					
Propionitrile					
Pyrene					
Safrole					
Selenium, total	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<5
Solids, total suspended					
Styrene	<1	<1	<1	<1	<1
Sulfide, total					
Tetrachloroethylene	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<.5
Thionazin					
Tin, total					
Toluene	<1	<1	<1	<1	<1
Toxaphene					
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	6.1

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

Table 9

Analytical Data Summary for MW-7

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	12/5/2017
(3,4)-methylphenol	ug/L									
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L									
1,2,3-trichloropropane	ug/L	<1	<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
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L									
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
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	<5
2-chloronaphthalene	ug/L									
2-chlorophenol	ug/L									
2-hexanone (mbk)	ug/L	<5	<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	<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	<10.0	19.8	
Acetonitrile	ug/L									
Acetophenone	ug/L									
Acrolein	ug/L									
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L									
Allyl chloride	ug/L									
Alpha-bhc	ug/L									
Anthracene	ug/L									

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

Table 9

Analytical Data Summary for MW-7

Constituents	3/2/2018	4/10/2018	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022
(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	<10.0		<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-7

Constituents	9/2/2022	3/21/2023	9/26/2023	3/1/2024	9/11/2024	3/17/2025	9/17/2025
(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	<10.0	<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
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	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	12/5/2017
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	4.7	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	
Azobenzene	ug/L									
Barium, total	ug/L	403	404	342	304	282	291	325	379	355 *
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	1.1	<.8	.9	<.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	15	<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	11.5	2.8	.8	<.8	<.8	<.8	1.4	6.0	2.9
Copper, total	ug/L	16.8	<4.0	<4.0	<4.0	<4.0	<4.0	5.8	<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									
Ethane	ug/L									
Ethene	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									

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

Table 9

Analytical Data Summary for MW-7

Constituents	3/2/2018	4/10/2018	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022
Antimony, total	<2		<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	<.1									
Arochlor 1221	<.2									
Arochlor 1232	<.2									
Arochlor 1242	<.2									
Arochlor 1248	<.2									
Arochlor 1254	<.1									
Arochlor 1260	<.1									
Arsenic, total	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene	<8									
Barium, total	362		298	297	334	311	315	325	281	317
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	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1		<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1		<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	<.1									
Chlorobenzene	<1		<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	<8									
Chloroethane	<1		<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1		<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1		<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	<1									
Chromium, total	<8		<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	4.5	4.0	<.8	<.8	<.8	<.8	.6	<.4	<.4	.8
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									
Ethane										
Ethene										
Ethyl methacrylate	<10									
Ethyl methanesulfonate	<8									
Ethylbenzene	<1		<1	<1	<1	<1	<1	<1	<1	<1
Famphur	<.4									
Fluoranthene	<8									
Fluorene	<8									
Gamma-bhc (lindane)	<.05									
Heptachlor	<.05									

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

Table 9

Analytical Data Summary for MW-7

Constituents	9/2/2022	3/21/2023	9/26/2023	3/1/2024	9/11/2024	3/17/2025	9/17/2025
Antimony, total	<2	<2	<2	<2	<2	<2	<1
Arochlor 1016		<1					
Arochlor 1221		<2					
Arochlor 1232		<2					
Arochlor 1242		<2					
Arochlor 1248		<2					
Arochlor 1254		<1					
Arochlor 1260		<1					
Arsenic, total	<4.0	<4.0	<4.0	<4.0	14.0	<4.0	<2.0
Azobenzene		<8					
Barium, total	284	342	282	273	1020	382	271
Benzene	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene		<8					
Benzo(a)pyrene		<8					
Benzo(b)fluoranthene		<8					
Benzo(g,h,i)perylene		<8					
Benzo(k)fluoranthene		<8					
Benzyl alcohol		<8					
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5
Beta-bhc		<.05					
Bis (2-chloroethoxy) methane		<8					
Bis(2-chloroethyl) ether		<8					
Bis(2-chloroisopropyl) ether		<8					
Bis(2-ethylhexyl)phthalate		<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	1.6	<.8	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlordane		<1					
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate		<8					
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chloroprene		<1					
Chromium, total	<8	<8	<8	<8	<8	<8	<1
Chrysene		<8					
Cis-1,2-dichloroethylene	<1	<1	<1	<1	1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.4	3.6	<.4	1.5	11.9	4.3	<.5
Copper, total	<4.0	6.0	<4.0	<4.0	11.2	<4.0	<5.0
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					
Ethane							<5
Ethene							<5
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					

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

Table 9

Analytical Data Summary for MW-7

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	12/5/2017
Heptachlor epoxide	ug/L									
Hexachlorobenzene	ug/L									
Hexachlorobutadiene	ug/L									
Hexachlorocyclopentadiene	ug/L									
Hexachloroethane	ug/L									
Hexachloropropene	ug/L									
Indeno(1,2,3-cd)pyrene	ug/L									
Isobutanol	mg/L									
Isodrin	ug/L									
Isophorone	ug/L									
Isosafrole	ug/L									
Kepone	ug/L									
Lead, total	ug/L	5.6	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	
Mercury, total	ug/L									
Methacrylonitrile	ug/L									
Methane	ug/L									
Methapyrilene	ug/L									
Methoxychlor	ug/L									
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
Methyl methacrylate	ug/L									
Methyl methanesulfonate	ug/L									
Methyl parathion	ug/L									
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	
Naphthalene	ug/L									
Nickel, total	ug/L	23.8	4.9	<4.0	<4.0	<4.0	<4.0	31.5	8.2	
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		49	26						
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	22.8	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	
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	33.6	<8.0	<8.0	<8.0	<8.0	<8.0	14.9	11.2	

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

Table 9

Analytical Data Summary for MW-7

Constituents	3/2/2018	4/10/2018	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022
Heptachlor epoxide	<.05									
Hexachlorobenzene	<.05									
Hexachlorobutadiene	<8									
Hexachlorocyclopentadiene	<8									
Hexachloroethane	<8									
Hexachloropropene	<8									
Indeno(1,2,3-cd)pyrene	<8									
Isobutanol	<1									
Isodrin	<8									
Isophorone	<8									
Isosafrole	<8									
Kepon	<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									
Methane										
Methapyrilene	<8									
Methoxychlor	<.05									
Methyl iodide	<1		<1	<1	<1	<2	<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	6.9		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	5.1
Nitrobenzene	<8									
N-nitrosodiethylamine	<8									
N-nitrosodimethylamine	<8									
N-nitrosodi-n-butylamine	<8									
N-nitroso-di-n-propylamine	<8									
N-nitrosodiphenylamine	<8									
N-nitrosomethylethylamine	<8									
N-nitrosopiperidine	<8									
N-nitrosopyrrolidine	<8									
O,o,o-triethyl phosphorothioate	<.4									
O-toluidine	<8									
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	<.20									
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	<20.0		<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	<5		<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1		<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2		<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0		<20.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-7

Constituents	9/2/2022	3/21/2023	9/26/2023	3/1/2024	9/11/2024	3/17/2025	9/17/2025
Heptachlor epoxide		<.05					
Hexachlorobenzene		<.05					
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	<1.0
Mercury, total		<.5					
Methacrylonitrile		<1					
Methane							11.7 *
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	<4.0	11.4	<4.0	6.2	161.0	7.6	<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
Silver, total	<4	<4	<4	<4	<4	<4	<5
Solids, total suspended							
Styrene	<1	<1	<1	<1	<1	<1	<1
Sulfide, total		.13					
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5
Thionazin		<4					
Tin, total		<20					
Toluene	<1	<1	<1	<1	<1	<1	<1
Toxaphene		<2					
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<2.0
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	27.8	26.4	9.1

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

Table 9

Analytical Data Summary for MW-8

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
(3,4)-methylphenol	ug/L	<8								
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	6.1	5.8	6.1	2.3	4.0	4.6	4.8	2.8	4.8
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L	<1								
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L	<8								
1,2,4-trichlorobenzene	ug/L	<1								
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L	<8								
1,3,5-trinitrobenzene	ug/L	<8								
1,3-dichlorobenzene	ug/L	<1								
1,3-dichloropropane	ug/L	<1								
1,3-dinitrobenzene	ug/L	<8								
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L	<8								
1,4-phenylenediamine	ug/L	<8								
1-naphthylamine	ug/L	<8								
2,2-dichloropropane	ug/L	<1								
2,3,4,6-tetrachlorophenol	ug/L	<8								
2,4,5-t	ug/L	<5								
2,4,5-tp (silvex)	ug/L	<5								
2,4,5-trichlorophenol	ug/L	<8								
2,4,6-trichlorophenol	ug/L	<8								
2,4-d	ug/L	<2								
2,4-dichlorophenol	ug/L	<8								
2,4-dimethylphenol	ug/L	<8								
2,4-dinitrophenol	ug/L	<8								
2,4-dinitrotoluene	ug/L	<8								
2,6-dichlorophenol	ug/L	<8								
2,6-dinitrotoluene	ug/L	<8								
2-acetylaminofluorene	ug/L	<8								
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L	<8								
2-chlorophenol	ug/L	<8								
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L	<8								
2-methylphenol	ug/L	<8								
2-naphthylamine	ug/L	<8								
2-nitroaniline	ug/L	<8								
2-nitrophenol	ug/L	<8								
3,3'-dichlorobenzidine	ug/L	<8								
3,3'-dimethylbenzidine	ug/L	<8								
3-methylcholanthrene	ug/L	<8								
3-nitroaniline	ug/L	<8								
4,4'-ddd	ug/L	<.05								
4,4'-dde	ug/L	<.05								
4,4'-ddt	ug/L	<.05								
4,6-dinitro-2-methylphenol	ug/L	<8								
4-aminobiphenyl	ug/L	<8								
4-bromophenyl phenyl ether	ug/L	<8								
4-chloro-3-methylphenol	ug/L	<8								
4-chloroaniline	ug/L	<8								
4-chlorophenyl phenyl ether	ug/L	<8								
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L	<8								
4-nitrophenol	ug/L	<8								
5-nitro-o-toluidine	ug/L	<8								
7,12-dimethylbenz(a)anthracene	ug/L	<8								
Acenaphthene	ug/L	<8								
Acenaphthylene	ug/L	<8								
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L	<10								
Acetophenone	ug/L	<8								
Acrolein	ug/L	<10								
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L	<.05								
Allyl chloride	ug/L	<1								
Alpha-bhc	ug/L	<.05								
Anthracene	ug/L	<8								

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

Table 9

Analytical Data Summary for MW-8

Constituents	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023
(3,4)-methylphenol		<8								
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	2.7	1.6	2.6	2.1	3.5	5.9	3.1	3.4	<1.0	1.6
1,1-dichloroethylene	<1	<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
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	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-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
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	<10
2-chloronaphthalene		<8								
2-chlorophenol		<8								
2-hexanone (mbk)	<5	<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	<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	<10
Acetonitrile		<10								
Acetophenone		<8								
Acrolein		<10								
Acrylonitrile	<5	<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-8

Constituents	3/1/2024	6/13/2024	9/11/2024	3/17/2025	7/14/2025	9/17/2025
(3,4)-methylphenol	<8					
1,1,1,2-tetrachloroethane	<1		<1	<1		<1
1,1,1-trichloroethane	<1		<1	<1		<1
1,1,2,2-tetrachloroethane	<1		<1	<1		<1
1,1,2-trichloroethane	<1		<1	<1		<1
1,1-dichloroethane	1.0		<1.0	<1.0		<1.0
1,1-dichloroethylene	<1		<1	<1		<1
1,1-dichloropropene	<1					
1,2,3-trichloropropane	<1		<1	<1		<1
1,2,4,5-tetrachlorobenzene	<8					
1,2,4-trichlorobenzene	<1					
1,2-dibromo-3-chloropropane	<1		<5	<5		<5
1,2-dibromoethane	<1		<1	<1		<1
1,2-dichlorobenzene	<1		<1	<1		<1
1,2-dichloroethane	<1		<1	<1		<1
1,2-dichloropropane	<1		<1	<1		<1
1,2-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
1,4-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
2-chloronaphthalene	<8					
2-chlorophenol	<8					
2-hexanone (mbk)	<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
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
Acetonitrile	<10					
Acetophenone	<8					
Acrolein	<10					
Acrylonitrile	<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-8

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L	<1								
Arochlor 1221	ug/L	<2								
Arochlor 1232	ug/L	<2								
Arochlor 1242	ug/L	<2								
Arochlor 1248	ug/L	<2								
Arochlor 1254	ug/L	<1								
Arochlor 1260	ug/L	<1								
Arsenic, total	ug/L	6.4	4.3	4.0	4.2	<4.0	5.3	<4.0	<4.0	6.3
Azobenzene	ug/L	<8								
Barium, total	ug/L	928	878	1030	1060	443	1490	1010	911	1110
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L	<8								
Benzo(a)pyrene	ug/L	<8								
Benzo(b)fluoranthene	ug/L	<8								
Benzo(g,h,i)perylene	ug/L	<8								
Benzo(k)fluoranthene	ug/L	<8								
Benzyl alcohol	ug/L	<8								
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L	<.05								
Bis (2-chloroethoxy) methane	ug/L	<8								
Bis(2-chloroethyl) ether	ug/L	<8								
Bis(2-chloroisopropyl) ether	ug/L	<8								
Bis(2-ethylhexyl)phthalate	ug/L	<8								
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L	<8								
Cadmium, total	ug/L	<.8	.9	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L	<1								
Chlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzilate	ug/L	<8								
Chloroethane	ug/L	1.3	1.7	1.7	<1.0	1.2	<1.0	1.6	1.4	1.5
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L	<1								
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	8.3	<8.0	<8.0	<8.0
Chrysene	ug/L	<8								
Cis-1,2-dichloroethylene	ug/L	3.3	3.6	3.5	<1.0	2.4	2.7	2.3	1.8	2.1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	20.4	23.4	17.7	21.7	2.7	25.1	15.3	13.2	15.0
Copper, total	ug/L	<4.0	6.7	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L	<.005								
Delta-bhc	ug/L	<.05								
Diallate	ug/L	<8								
Dibenzo(a,h)anthracene	ug/L	<8								
Dibenzofuran	ug/L	<8								
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	1.1	1.3	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dieldrin	ug/L	<.05								
Diethyl phthalate	ug/L	<8								
Dimethoate	ug/L	<.4								
Dimethylphthalate	ug/L	<8								
Di-n-butyl phthalate	ug/L	<8								
Di-n-octyl phthalate	ug/L	<8								
Dinoseb	ug/L	.6	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.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								
Ethane	ug/L									
Ethene	ug/L									
Ethyl methacrylate	ug/L	<10								
Ethyl methanesulfonate	ug/L	<8								
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L	<.4								
Fluoranthene	ug/L	<8								
Fluorene	ug/L	<8								
Gamma-bhc (lindane)	ug/L	<.05								
Heptachlor	ug/L	<.05								

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

Table 9

Analytical Data Summary for MW-8

Constituents	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016		<.1								
Arochlor 1221		<.2								
Arochlor 1232		<.2								
Arochlor 1242		<.2								
Arochlor 1248		<.2								
Arochlor 1254		<.1								
Arochlor 1260		<.1								
Arsenic, total	<4.0	<4.0	4.5	<4.0	9.4	7.2	14.2	15.4	15.6	14.6
Azobenzene		<8								
Barium, total	376	266	669	291	1040	1390	1170	1300	1090	1180
Benzene	<1	<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	<4.0
Beta-bhc		<.05								
Bis (2-chloroethoxy) methane		<8								
Bis(2-chloroethyl) ether		<8								
Bis(2-chloroisopropyl) ether		<8								
Bis(2-ethylhexyl)phthalate		42								
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate		<8								
Cadmium, total	<.8	<.8	<.8	<.8	.8	.8	2.3	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane		<.1								
Chlorobenzene	<1.0	1.4	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzilate		<8								
Chloroethane	1.0	<1.0	<1.0	<1.0	1.3	1.1	1.0	<1.0	<1.0	<1.0
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene		<1								
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene		<8								
Cis-1,2-dichloroethylene	1.5	1.6	<1.0	1.1	1.6	4.5	1.9	2.2	2.7	1.3
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	1.6	1.8	9.6	3.6	13.1	22.1	10.4	11.7	8.2	11.3
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	11.8	<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	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane		<1.0								
Dieldrin		<.05								
Diethyl phthalate		<8								
Dimethoate		<.4								
Dimethylphthalate		<8								
Di-n-butyl phthalate		<8								
Di-n-octyl phthalate		<8								
Dinoseb		<.5								
Diphenylamine		<8								
Disulfoton		<.4								
Endosulfan i		<.05								
Endosulfan ii		<.05								
Endosulfan sulfate		<.05								
Endrin		<.05								
Endrin aldehyde		<.05								
Ethane										
Ethene										
Ethyl methacrylate		<10								
Ethyl methanesulfonate		<8								
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur		<.4								
Fluoranthene		<8								
Fluorene		<8								
Gamma-bhc (lindane)		<.05								
Heptachlor		<.05								

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

Table 9

Analytical Data Summary for MW-8

Constituents	3/1/2024	6/13/2024	9/11/2024	3/17/2025	7/14/2025	9/17/2025
Antimony, total	<2		<2	<2		<1
Arochlor 1016	<.2					
Arochlor 1221	<.2					
Arochlor 1232	<.2					
Arochlor 1242	<.2					
Arochlor 1248	<.2					
Arochlor 1254	<.2					
Arochlor 1260	<.2					
Arsenic, total	15.4	27.5 *	<4.0	16.0	12.2	13.8
Azobenzene	<8					
Barium, total	934		332	1020		1040
Benzene	<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		<.5
Beta-bhc	<.05					
Bis (2-chloroethoxy) methane	<8					
Bis(2-chloroethyl) ether	<8					
Bis(2-chloroisopropyl) ether	<8					
Bis(2-ethylhexyl)phthalate	21		<6			
Bromochloromethane	<1		<1	<1		<1
Bromodichloromethane	<1		<1	<1		<1
Bromoform	<1		<1	<1		<1
Bromomethane	<1		<1	<1		<1
Butyl benzyl phthalate	<8					
Cadmium, total	.8		<.8	<.8		<.2
Carbon disulfide	<1		<1	<1		<1
Carbon tetrachloride	<1		<1	<1		<1
Chlordane	<.1					
Chlorobenzene	<1.0		<1.0	<1.0		<1.0
Chlorobenzilate	<8					
Chloroethane	<1.0		<1.0	<1.0		<1.0
Chloroform	<1		<1	<1		<1
Chloromethane	<1		<1	<1		<1
Chloroprene	<1					
Chromium, total	<8.0		<8.0	<8.0		1.4
Chrysene	<8					
Cis-1,2-dichloroethylene	<1.0		<1.0	1.3		<1.0
Cis-1,3-dichloropropene	<1		<1	<1		<1
Cobalt, total	6.9	11.7 *	3.6	9.2	9.3	8.0
Copper, total	5.3		<4.0	<4.0		<5.0
Cyanide, total	<.005					
Delta-bhc	<.05					
Diallate	<8					
Dibenzo(a,h)anthracene	<8					
Dibenzofuran	<8					
Dibromochloromethane	<1		<1	<1		<1
Dibromomethane	<1		<1	<1		<1
Dichlorodifluoromethane	<1.0					
Dieldrin	<.05					
Diethyl phthalate	<8					
Dimethoate	<.4					
Dimethylphthalate	<8					
Di-n-butyl phthalate	<8					
Di-n-octyl phthalate	<8					
Dinoseb	<.5					
Diphenylamine	<8					
Disulfoton	<.4					
Endosulfan i	<.05					
Endosulfan ii	<.05					
Endosulfan sulfate	<.05					
Endrin	<.05					
Endrin aldehyde	<.05					
Ethane				<5		<5
Ethene				<5		<5
Ethyl methacrylate	<10					
Ethyl methanesulfonate	<8					
Ethylbenzene	<1		<1	<1		<1
Famphur	<.4					
Fluoranthene	<8					
Fluorene	<8					
Gamma-bhc (lindane)	<.05					
Heptachlor	<.05					

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

Table 9

Analytical Data Summary for MW-8

Constituents	Units	4/11/2014	9/22/2014	4/21/2015	9/8/2015	2/25/2016	9/6/2016	3/6/2017	9/5/2017	3/2/2018
Heptachlor epoxide	ug/L	<.05								
Hexachlorobenzene	ug/L	<4.03 *								
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								
Kepon	ug/L	<8								
Lead, total	ug/L	<4.0	<4.0	<4.0	<4.0	5.2	<4.0	<4.0	<4.0	<4.0
Mercury, total	ug/L	<.5								
Methacrylonitrile	ug/L	<1								
Methane	ug/L									
Methapyrene	ug/L	<8								
Methoxychlor	ug/L	<.05								
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L	<1								
Methyl methanesulfonate	ug/L	<8								
Methyl parathion	ug/L	<4								
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L	<8								
Nickel, total	ug/L	22.5	24.1	20.8	27.8	18.9	49.8	34.5	38.9	45.4
Nitrobenzene	ug/L	<8								
N-nitrosodiethylamine	ug/L	<8								
N-nitrosodimethylamine	ug/L	<8								
N-nitrosodi-n-butylamine	ug/L	<8								
N-nitroso-di-n-propylamine	ug/L	<8								
N-nitrosodiphenylamine	ug/L	<8								
N-nitrosomethylethylamine	ug/L	<8								
N-nitrosopiperidine	ug/L	<8								
N-nitrosopyrrolidine	ug/L	<8								
O,o,o-triethyl phosphorothioate	ug/L	<4								
O-toluidine	ug/L	<8								
Parathion	ug/L	<4								
P-dimethylaminoazobenzene	ug/L	<8								
Pentachlorobenzene	ug/L	<8								
Pentachloronitrobenzene (pcnb)	ug/L	<8								
Pentachlorophenol	ug/L	<8								
Phenacetin	ug/L	<8								
Phenanthrene	ug/L	<8								
Phenol	ug/L	<8								
Phorate	ug/L	<4								
Pronamide	ug/L	<8								
Propionitrile	ug/L	<10								
Pyrene	ug/L	<8								
Safrole	ug/L	<8								
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	25	25	20						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L	<1								
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<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	<1	<1
Toxaphene	ug/L	<2								
Trans-1,2-dichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.9
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	82.6	13.6	<8.0	<8.0	<8.0	8.8	<8.0	<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-8

Constituents	9/4/2018	3/27/2019	9/7/2019	3/30/2020	9/1/2020	3/3/2021	9/10/2021	3/4/2022	9/2/2022	3/21/2023
Heptachlor epoxide		<.05								
Hexachlorobenzene		<.05								
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	<4.0
Mercury, total		<.5								
Methacrylonitrile		<1								
Methane										
Methapyrilene		<8								
Methoxychlor		<.05								
Methyl iodide	<1	<1	<1	<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	<5	<5	<5
Naphthalene		<8								
Nickel, total	26.1	25.9	53.1	32.7	95.1	152.0	177.0	213.0	203.0	200.0
Nitrobenzene		<8								
N-nitrosodiethylamine		<8								
N-nitrosodimethylamine		<8								
N-nitrosodi-n-butylamine		<8								
N-nitroso-di-n-propylamine		<8								
N-nitrosodiphenylamine		<8								
N-nitrosomethylethylamine		<8								
N-nitrosopiperidine		<8								
N-nitrosopyrrolidine		<8								
O,o,o-triethyl phosphorothioate		<.4								
O-toluidine		<8								
Parathion		<.4								
P-dimethylaminoazobenzene		<8								
Pentachlorobenzene		<8								
Pentachloronitrobenzene (pcnb)		<8								
Pentachlorophenol		<8								
Phenacetin		<8								
Phenanthrene		<8								
Phenol		<8								
Phorate		<.4								
Pronamide		<8								
Propionitrile		<10								
Pyrene		<8								
Safrole		<8								
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended										
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total		<.1								
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin		<.4								
Tin, total		<20								
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene		<.2								
Trans-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	28.7	29.5	<8.0	<20.0	<20.0	<20.0	101.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-8

Constituents	3/1/2024	6/13/2024	9/11/2024	3/17/2025	7/14/2025	9/17/2025
Heptachlor epoxide	<.05					
Hexachlorobenzene	<.05					
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		<1.0
Mercury, total	<.5					
Methacrylonitrile	<1					
Methane				439		1310
Methapyrilene	<8					
Methoxychlor	<.05					
Methyl iodide	<2		<1	<1		<1
Methyl methacrylate	<1					
Methyl methanesulfonate	<8					
Methyl parathion	<.4					
Methylene chloride	<5		<5	<5		<5
Naphthalene	<8					
Nickel, total	126.0	158.5 *	5.0	134.0	160.0	133.0
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		<2
Silver, total	<4		<4	<4		<5
Solids, total suspended						
Styrene	<1		<1	<1		<1
Sulfide, total	<.1					
Tetrachloroethylene	<1		<1	<1		<1
Thallium, total	<2.0		<2.0	<2.0		<.5
Thionazin	<.4					
Tin, total	<20					
Toluene	<1		<1	<1		<1
Toxaphene	<.2					
Trans-1,2-dichloroethylene	<1.0		<1.0	<1.0		<1.0
Trans-1,3-dichloropropene	<1		<1	<1		<1
Trans-1,4-dichloro-2-butene	<5		<5	<5		<5
Trichloroethylene	<1		<1	<1		<1
Trichlorofluoromethane	<1		<1	<1		<1
Vanadium, total	<20		<20	<20		<2
Vinyl acetate	<5		<5	<5		<5
Vinyl chloride	<1		<1	<1		<1
Xylenes, total	<2		<2	<2		<2
Zinc, total	<20.0		31.4	<20.0		13.8

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

Table 9**Analytical Data Summary for Sump 1**

Constituents	Units	4/9/2024	3/17/2025
Arsenic, total	ug/L	<4	<4
Cobalt, total	ug/L	11.7	6.6
Nickel, total	ug/L	71.0	89.4

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

Table 9**Analytical Data Summary for Sump 2**

Constituents	Units	4/9/2024	3/17/2025	7/14/2025
Arsenic, total	ug/L	12.0	<4.0	8.1
Cobalt, total	ug/L	11.2	.7	<.5
Ethane	ug/L		<5	
Ethene	ug/L		<5	
Methane	ug/L		30.5	
Nickel, total	ug/L	17.0	16.0	5.3

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

Table 9**Analytical Data Summary for Sump 3**

Constituents	Units	4/9/2024	3/17/2025	7/14/2025	9/17/2025
Arsenic, total	ug/L	<4.0	7.7	5.4	5.1
Cobalt, total	ug/L	.7	7.0	4.9	4.4
Ethane	ug/L				<5
Ethene	ug/L				<5
Methane	ug/L				2360
Nickel, total	ug/L	17.7	18.8	35.8	45.4

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

Table 10 – Historic SSI and SSL

Table 10
Historic SSI & SSL
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

KEY:	SSI

SSL LCL>GWPS	SSL UCL>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)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW-8	Arsenic	9/6/2016	5.30	4.00	2.258	5.492	10
MW-8	Arsenic	3/6/2017	<4.0	4.00	1.434	5.316	10
MW-8	Arsenic	9/5/2017	<4.0	4.00	0.884	4.766	10
MW-8	Arsenic	3/2/2018	6.30	4.00	1.275	6.525	10
MW-8	Arsenic	9/4/2018	<4.0	4.00	0.546	5.604	10
MW-8	Arsenic	3/27/2019	<4.0	4.00	0.546	5.604	10
MW-8	Arsenic	9/7/2019	4.50	4.00	1.234	6.166	10
MW-8	Arsenic	3/30/2020	<4.0	4.00	1.155	4.095	10
MW-8	Arsenic	9/1/2020	9.40	4.00	0.372	8.578	10
MW-8	Arsenic	3/3/2021	7.20	4.00	1.991	9.559	10
MW-8	Arsenic	9/10/2021	14.20	4.00	2.245	14.155	10
MW-8	Arsenic	3/4/2022	15.40	4.00	6.975	16.125	10
MW-8	Arsenic	9/2/2022	15.60	4.00	8.416	17.784	10
MW-8	Arsenic	3/21/2023	14.60	4.00	14.173	15.727	10
MW-8	Arsenic	9/26/2023	Dry	4.00	14.173	15.727	10
MW-8	Arsenic	3/1/2024	15.40	4.00	14.728	15.772	10
MW-8	Arsenic	6/13/2024	4.90	4.00	14.728	15.772	10
MW-8	Arsenic	9/11/2024	<4.0	4.00	2.633	27.092	10
MW-8	Arsenic	3/17/2025	16.00	4.00	2.970	27.455	10
MW-8	Arsenic	7/14/2025	12.20	4.00	2.970	27.455	10
MW-8	Arsenic	9/17/2025	13.80	4.00	3.708	18.292	10

Table 10
Historic SSI & SSL
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

KEY:	SSI

SSL LCL>GWPS	SSL UCL>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)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW-8	Cobalt	9/6/2016	25.10	2.20	---	---	2.8
MW-8	Cobalt	3/6/2017	15.30	2.20	4.585	27.815	2.8
MW-8	Cobalt	9/5/2017	13.20	2.20	3.268	24.882	2.8
MW-8	Cobalt	3/2/2018	15.00	2.20	10.821	23.479	2.2
MW-8	Cobalt	9/4/2018	1.60	2.20	3.61	18.940	2.2
MW-8	Cobalt	3/27/2019	1.80	2.20	0.000	16.366	2.2
MW-8	Cobalt	9/7/2019	9.60	2.20	0.000	14.652	2.2
MW-8	Cobalt	3/30/2020	3.60	2.20	0.000	8.553	2.2
MW-8	Cobalt	9/1/2020	13.10	2.20	0.854	13.196	2.2
MW-8	Cobalt	3/3/2021	22.10	2.20	3.001	21.199	2.2
MW-8	Cobalt	9/10/2021	10.40	2.20	3.291	21.309	2.2
MW-8	Cobalt	3/4/2022	11.70	2.20	8.092	20.558	2.2
MW-8	Cobalt	9/2/2022	8.20	2.20	5.841	20.359	2.2
MW-8	Cobalt	3/21/2023	11.30	2.20	8.560	12.240	2.2
MW-8	Cobalt	9/26/2023	Dry	2.20	8.560	12.240	2.2
MW-8	Cobalt	3/1/2024	6.90	2.20	6.764	12.286	2.2
MW-8	Cobalt	6/13/2024	12.40	2.20	6.764	12.286	2.2
MW-8	Cobalt	9/11/2024	3.60	2.20	3.840	12.910	2.2
MW-8	Cobalt	3/17/2025	9.20	2.20	3.797	11.903	2.2
MW-8	Cobalt	7/14/2025	9.30	2.20	3.797	11.903	2.2
MW-8	Cobalt	9/17/2025	8.00	2.20	4.370	10.680	2.2

Table 10
Historic SSI & SSL
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

KEY:	SSI

SSL LCL>GWPS	SSL UCL>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)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW-8	Nickel	9/6/2016	49.80	17.40	---	---	100
MW-8	Nickel	3/6/2017	34.50	17.40	---	---	100
MW-8	Nickel	9/5/2017	38.90	17.40	20.452	50.598	100
MW-8	Nickel	3/2/2018	45.40	17.40	34.167	50.133	100
MW-8	Nickel	9/4/2018	26.10	17.40	26.697	45.753	100
MW-8	Nickel	3/27/2019	25.90	17.40	22.671	45.479	100
MW-8	Nickel	9/7/2019	53.10	17.40	21.408	53.842	100
MW-8	Nickel	3/30/2020	32.70	17.40	19.360	49.540	100
MW-8	Nickel	9/1/2020	95.10	17.40	15.051	88.349	100
MW-8	Nickel	3/3/2021	152.00	17.40	21.237	145.213	100
MW-8	Nickel	9/10/2021	177.00	17.40	38.637	189.763	100
MW-8	Nickel	3/4/2022	213.00	17.40	100.965	217.585	100
MW-8	Nickel	9/2/2022	203.00	17.40	154.002	218.498	100
MW-8	Nickel	3/21/2023	200.00	17.40	180.349	216.151	100
MW-8	Nickel	9/26/2023	Dry	10.50	180.349	216.151	100
MW-8	Nickel	3/1/2024	126.00	10.50	138.385	232.615	100
MW-8	Nickel	6/13/2024	160.00	10.50	138.385	232.615	100
MW-8	Nickel	9/11/2024	5.00	10.50	23.677	221.073	100
MW-8	Nickel	3/17/2025	134.00	10.50	25.115	186.635	100
MW-8	Nickel	7/14/2025	160.00	10.50	25.115	186.635	100
MW-8	Nickel	9/17/2025	133.00	10.50	25.901	190.099	100

Table 11 – Corrective Action Trend Analysis

Table 11
Corrective Action Trend Analysis
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW-8	Arsenic	9/6/2016	SSI	N/A	N/A	N/A
MW-8	Arsenic	3/6/2017	No-SSI	N/A	N/A	N/A
MW-8	Arsenic	9/5/2017	No-SSI	N/A	N/A	N/A
MW-8	Arsenic	3/2/2018	SSI	N/A	N/A	N/A
MW-8	Arsenic	9/4/2018	No-SSI	N/A	N/A	N/A
MW-8	Arsenic	3/27/2019	No-SSI	N/A	N/A	N/A
MW-8	Arsenic	9/7/2019	SSI	N/A	N/A	N/A
MW-8	Arsenic	3/30/2020	No-SSI	N/A	N/A	N/A
MW-8	Arsenic	9/1/2020	SSI	N/A	N/A	N/A
MW-8	Arsenic	3/3/2021	SSI	N/A	N/A	N/A
MW-8	Arsenic	9/10/2021	SSI	N/A	N/A	N/A
MW-8	Arsenic	3/4/2022	SSI	N/A	N/A	N/A
MW-8	Arsenic	9/2/2022	SSI	N/A	N/A	N/A
MW-8	Arsenic	3/21/2023	SSL	N/A	1	Monitoring through 2027
MW-8	Arsenic	9/26/2023	SSL	N/A	2	Monitoring through 2027
MW-8	Arsenic	3/1/2024	SSL	N/A	3	Monitoring through 2027
MW-8	Arsenic	6/13/2024	SSL	N/A	4	Monitoring through 2027
MW-8	Arsenic	9/11/2024	SSL	N/A	5	Monitoring through 2027
MW-8	Arsenic	3/17/2025	SSL	N/A	6	Monitoring through 2027
MW-8	Arsenic	7/14/2025	SSL	N/A	7	Monitoring through 2027
MW-8	Arsenic	9/17/2025	SSL	N/A	8	Monitoring through 2027

Table 11
Corrective Action Trend Analysis
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Delaware County Sanitary Landfill
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Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW-8	Cobalt	9/6/2016	SSI	N/A	N/A	N/A
MW-8	Cobalt	3/6/2017	SSL	N/A	1	Monitoring through 2027
MW-8	Cobalt	9/5/2017	SSL	down	2	Monitoring through 2027
MW-8	Cobalt	3/2/2018	SSL	down	3	Monitoring through 2027
MW-8	Cobalt	9/4/2018	SSL	down	4	Monitoring through 2027
MW-8	Cobalt	3/27/2019	SSL	down	5	Monitoring through 2027
MW-8	Cobalt	9/7/2019	SSL	down	6	Monitoring through 2027
MW-8	Cobalt	3/30/2020	SSL	down	7	Monitoring through 2027
MW-8	Cobalt	9/1/2020	SSL	down	8	Monitoring through 2027
MW-8	Cobalt	3/3/2021	SSL	down	9	Monitoring through 2027
MW-8	Cobalt	9/10/2021	SSL	down	10	Monitoring through 2027
MW-8	Cobalt	3/4/2022	SSL	down	11	Monitoring through 2027
MW-8	Cobalt	9/2/2022	SSL	down	12	Monitoring through 2027
MW-8	Cobalt	3/21/2023	SSL	down	13	Monitoring through 2027
MW-8	Cobalt	9/26/2023	SSL	down	14	Monitoring through 2027
MW-8	Cobalt	3/1/2024	SSL	down	15	Monitoring through 2027
MW-8	Cobalt	6/13/2024	SSL	down	16	Monitoring through 2027
MW-8	Cobalt	9/11/2024	SSL	down	17	Monitoring through 2027
MW-8	Cobalt	3/17/2025	SSL	down	18	Monitoring through 2027
MW-8	Cobalt	7/14/2025	SSL	down	19	Monitoring through 2027
MW-8	Cobalt	9/17/2025	SSL	down	20	Monitoring through 2027

Table 11
Corrective Action Trend Analysis
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Delaware County Sanitary Landfill
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Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW-8	Nickel	9/6/2016	SSI	N/A	N/A	N/A
MW-8	Nickel	3/6/2017	SSI	N/A	N/A	N/A
MW-8	Nickel	9/5/2017	SSI	N/A	N/A	N/A
MW-8	Nickel	3/2/2018	SSI	N/A	N/A	N/A
MW-8	Nickel	9/4/2018	SSI	N/A	N/A	N/A
MW-8	Nickel	3/27/2019	SSI	N/A	N/A	N/A
MW-8	Nickel	9/7/2019	SSI	N/A	N/A	N/A
MW-8	Nickel	3/30/2020	SSI	N/A	N/A	N/A
MW-8	Nickel	9/1/2020	SSI	N/A	N/A	N/A
MW-8	Nickel	3/3/2021	SSI	N/A	N/A	N/A
MW-8	Nickel	9/10/2021	SSI	N/A	N/A	N/A
MW-8	Nickel	3/4/2022	SSL	static	1	Monitoring through 2027
MW-8	Nickel	9/2/2022	SSL	static	2	Monitoring through 2027
MW-8	Nickel	3/21/2023	SSL	static	3	Monitoring through 2027
MW-8	Nickel	9/26/2023	SSL	static	4	Monitoring through 2027
MW-8	Nickel	3/1/2024	SSL	static	5	Monitoring through 2027
MW-8	Nickel	6/13/2024	SSL	static	6	Monitoring through 2027
MW-8	Nickel	9/11/2024	SSL	static	7	Monitoring through 2027
MW-8	Nickel	3/17/2025	SSL	static	8	Monitoring through 2027
MW-8	Nickel	7/14/2025	SSL	static	9	Monitoring through 2027
MW-8	Nickel	9/17/2025	SSL	static	10	Monitoring through 2027

Table 12 – Leachate Elevations - **Not Required**

Table 13 – Gas Monitoring Summary

Table 13
Explosive Gas Monitoring Report
Annual Water Quality Report
Delaware County Sanitary Landfill
Permit No. 28-SDP-01-74C

2025

Monitoring Well Headspace

Location/Date	3/17/25	9/17/25
	% LEL	% LEL
GP-1	0	0
GP-2	0	0
GP-3	0	0
MW-5	0	0
MW-8	0	0
MW-11	0	0
MW-20	0	0
MW-21	0	0
MW-23	0	0

Note: Amendment #13, May 9, 2018, and
Amendment #14, June 21, 2018, changed the
gas monitoring frequency to semi-annual.

Appendix A

Monitoring Well Sampling Forms

Delaware County Sanitary Landfill
PERMIT # 28-SDP-1-74C

3/17/2025

Sampled by: Glenn Hunter

Weather conditions: Overcast, breezy, 39 degrees

IDNR Form 542-1322

Monitoring Well: MW 5 (dg)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1061.68
Well Depth	28.75
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1061.68
Well Depth	28.75
Top Screen	1042.93
Bottom Screen	1032.93
Bottom Well	1030.18
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	1039.68
Bottom sample	1035.68
Turbidity(NTU)	1.84

Date	Time	Water Level	Water Elevation	Notes
3/17/2025	13:09	17.06	1044.62	

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		1.84
Appendix I	Metals	150	0		1.84
Appendix I	VOC	240	240		1.84
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	1 - qt			
Supplemental		250			
Total			250	0	

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

TOC	1061.68	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	28.75	Before purging	3/17/2025	13:09	17.06	1044.62		0.0	
		After purging				1061.68			
		Top of Screen after construction				1042.93			
						18.75	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1032.93			
		Bottom of Well	3/17/2025		28.10	1033.58			
						0.65	feet sedimentation		
		Before Sampling				1061.68			
		Recovery				1061.68			
		Recovery				1061.68			
		Recovery				1061.68			
		Recovery				1061.68			

IDNR Form 542-1322

Monitoring Well: MW 6(dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1056.92
Well Depth	80.40
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	1056.92
Well Depth	80.40
Top Screen	986.52
Bottom Screen	976.52
Bottom Well	975.73
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	76.00
Top sample	980.92
Bottom sample	976.92
Turbidity(NTU)	4.65

Date	Time	Water Level	Water Elevation	Notes
3/17/2025	13:00	47.2	1009.72	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		4.65
Appendix I	Metals	150	150		4.65
Appendix I	VOC	240	240		4.65
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	1 - qt			
Supplemental	Cyanide	250			
Total			400	0	

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

TOC	1056.92	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	80.40	Before purging	3/17/2025	13:00	47.2	1009.72		0.0	
		After purging				1056.92			
		Top of Screen after construction				986.52			
						70.40	feet above (+) or below (-) top screen		
		Bottom of Well after construction				976.52			
		Bottom of Well	3/17/2025		82.80	974.12			
						-2.40	feet sedimentation		
		Before Sampling				1056.92			
		Recovery				1056.92			
		Recovery				1056.92			
		Recovery				1056.92			
		Recovery				1056.92			

IDNR Form 542-1322

Monitoring Well: MW 7 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1038.92
Well Depth	47.42
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1038.92
Well Depth	47.42
Top Screen	1001.50
Bottom Screen	991.50
Bottom Well	985.92
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	41.00
Top sample	997.92
Bottom sample	993.92
Turbidity(NTU)	12.80

Date	Time	Water Level	Water Elevation	Notes
3/17/2025	12:45	25.2	1013.72	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		12.80
Appendix I	Metals	150	150		12.80
Appendix I	VOC	240	240		12.80
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		1 - qt			
Supplemental		250			
Total			400	0	

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

TOC	1038.92	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	47.42	Before purging	3/17/2025	12:45	25.2	1013.72		0.0	
		After purging				1038.92			
		Top of Screen after construction				1001.50			
						37.42	feet above (+) or below (-) top screen		
		Bottom of Well after construction				991.50			
		Bottom of Well	3/17/2025		47.00	991.92			
						0.42	feet sedimentation		
		Before Sampling				1038.92			
		Recovery				1038.92			
		Recovery				1038.92			
		Recovery				1038.92			
		Recovery				1038.92			

IDNR Form 542-1322

Monitoring Well: MW 8 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1038.59
Well Depth	30.28
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1038.59
Well Depth	30.28
Top Screen	1018.31
Bottom Screen	1008.31
Bottom Well	1007.81
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	25.00
Top sample	1013.59
Bottom sample	1009.59
Turbidity(NTU)	3.35

Date	Time	Water Level	Water Elevation	Notes
3/17/2025	12:39	25.18	1013.41	

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		3.35
Appendix I	Metals	150	150		3.35
Appendix I	VOC	240	240		3.35
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		1 - qt			
Supplemental		250			
Total			400	0	

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

TOC	1038.59	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	30.28	Before purging	3/17/2025	12:39	25.18	1013.41		0.0	
		After purging				1038.59			
		Top of Screen after construction				1018.31			
						20.28	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1008.31			
		Bottom of Well	3/17/2025		29.55	1009.04			
						0.73	feet sedimentation		
		Before Sampling				1038.59			
		Recovery				1038.59			
		Recovery				1038.59			
		Recovery				1038.59			
		Recovery				1038.59			

IDNR Form 542-1322

Monitoring Well: MW 11 (ug)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1027.98
Well Depth	24.62
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	1027.98
Well Depth	24.62
Top Screen	1013.36
Bottom Screen	1003.36
Bottom Well	1002.86
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	18.00
Top sample	1009.98
Bottom sample	1005.98
Turbidity(NTU)	1.78

Date	Time	Water Level	Water Elevation	Notes
3/17/2025	10:50	17.37	1010.61	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.78
Appendix I	Metals	150	150		1.78
Appendix I	VOC	240	240		1.78
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	1 - qt			
Supplemental		250			
Total			400	0	

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

TOC	1027.98	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	24.62	Before purging	3/17/2025	10:50	17.37	1010.61		0.0	
		After purging				1027.98			
		Top of Screen after construction				1013.36			
						14.62	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1003.36			
		Bottom of Well	3/17/2025		24.40	1003.58			
						0.22	feet sedimentation		
		Before Sampling				1027.98			
		Recovery				1027.98			
		Recovery				1027.98			
		Recovery				1027.98			
		Recovery				1027.98			

IDNR Form 542-1322

Monitoring Well: MW 20 (ug)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1061.6
Well Depth	19.97
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	1061.6
Well Depth	19.97
Top Screen	1051.63
Bottom Screen	1041.63
Bottom Well	1040.63
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	14.00
Top sample	1047.60
Bottom sample	1043.60
Turbidity(NTU)	1.90

Date	Time	Water Level	Water Elevation	Notes
3/17/2025	10:32	14.35	1047.25	

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		1.90
Appendix I	Metals	150	150		1.90
Appendix I	VOC	240	240		1.90
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	1 - qt			
Supplemental		250			
Total			400	0	

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

TOC	1061.6	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	19.97	Before purging	3/17/2025	10:32	14.35	1047.25		0.0	
		After purging				1061.60			
		Top of Screen after construction				1051.63			
						9.97			feet above (+) or below (-) top screen
		Bottom of Well after construction				1041.63			
		Bottom of Well	3/17/2025		20.40	1041.20			
						-0.43			feet sedimentation
		Before Sampling				1061.60			
		Recovery				1061.60			
		Recovery				1061.60			
		Recovery				1061.60			
		Recovery				1061.60			

IDNR Form 542-1322

Monitoring Well: MW 23 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1034.34
Well Depth	31.54
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	1034.34
Well Depth	31.54
Top Screen	1012.80
Bottom Screen	1002.80
Bottom Well	1001.80
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	27.00
Top sample	1007.34
Bottom sample	1003.34
Turbidity(NTU)	3.35

Date	Time	Water Level	Water Elevation	Notes
3/17/2025	12:10	24	1010.34	

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		3.35
Appendix I	Metals	150	150		3.35
Appendix I	VOC	240	240		3.35
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	1 - qt			
Supplemental		250			
Total			400	0	

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

TOC	1034.34	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	31.54	Before purging	3/17/2025	12:10	24	1010.34		0.0	
		After purging				1034.34			
		Top of Screen after construction				1012.80			
						21.54	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1002.80			
		Bottom of Well	3/17/2025		33.30	1001.04			
						-1.76	feet sedimentation		
		Before Sampling				1034.34			
		Recovery				1034.34			
		Recovery				1034.34			
		Recovery				1034.34			
		Recovery				1034.34			

IDNR Form 542-1322

Monitoring Well: MW 24 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1017.06
Well Depth	21.10
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1017.06
Well Depth	21.15
Top Screen	1005.96
Bottom Screen	995.96
Bottom Well	995.96
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	1002.06
Bottom sample	998.06
Turbidity(NTU)	579.00

Date	Time	Water Level	Water Elevation	Notes
3/17/2025	11:27	2.29	1014.77	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		579.00
Appendix I	Metals	150	150		579.00
Appendix I	VOC	240	240		579.00
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	1 - qt			
Supplemental		250			
Total			400	0	

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

TOC	1017.06	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.10	Before purging	3/17/2025	11:27	2.29	1014.77		0.0	
		After purging				1017.06			
		Top of Screen after construction				1005.96			
						11.10			feet above (+) or below (-) top screen
		Bottom of Well after construction				995.96			
		Bottom of Well	3/17/2025		21.15	995.91			
						-0.05			feet sedimentation
		Before Sampling				1017.06			
		Recovery				1017.06			
		Recovery				1017.06			
		Recovery				1017.06			
		Recovery				1017.06			

IDNR Form 542-1322

Monitoring Well: MW 25 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1043.91
Well Depth	38.60
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1043.91
Well Depth	38.60
Top Screen	1015.31
Bottom Screen	1005.31
Bottom Well	1005.31
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	32.00
Top sample	1011.91
Bottom sample	1007.91
Turbidity(NTU)	1.47

Date	Time	Water Level	Water Elevation	Notes
3/17/2025	11:08	15.79	1028.12	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.47
Appendix I	Metals	150	150		1.47
Appendix I	VOC	240	240		1.47
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	1 - qt			
Supplemental		250			
Total			400	0	

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

TOC	1043.91	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	38.60	Before purging	3/17/2025	11:08	15.79	1028.12		0.0	
		After purging				1043.91			
		Top of Screen after construction				1015.31			
						28.60	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1005.31			
		Bottom of Well	3/17/2025		38.45	1005.46			
						0.15	feet sedimentation		
		Before Sampling				1043.91			
		Recovery				1043.91			
		Recovery				1043.91			
		Recovery				1043.91			
		Recovery				1043.91			

IDNR Form 542-1322

Monitoring Well: MW 21 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1068.74
Well Depth	22.04
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	1068.74
Well Depth	22.04
Top Screen	1056.70
Bottom Screen	1046.70
Bottom Well	1045.70
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	18.00
Top sample	1050.74
Bottom sample	1046.74
Turbidity(NTU)	1.09

Date	Time	Water Level	Water Elevation	Notes
3/17/2025	13:30	14.64	1054.1	

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		1.09
Appendix I	Metals	150	150		1.09
Appendix I	VOC	240	240		1.09
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	1 - qt			
Supplemental		250			
Total			400	0	

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

TOC	1068.74	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.04	Before purging	3/17/2025	13:30	14.64	1054.10		0.0	
		After purging				1068.74			
		Top of Screen after construction				1056.70			
						-2.60	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1046.70			
		Bottom of Well	3/17/2025		24.40	1044.34			
						-2.36	feet sedimentation		
		Before Sampling				1068.74			
		Recovery				1068.74			
		Recovery				1068.74			
		Recovery				1068.74			
		Recovery				1068.74			

Delaware County Sanitary Landfill
PERMIT # 28-SDP-1-74C

7/14/2025

Sampled by: Todd Whipple

Weather conditions: Sunny calm 80 degrees

IDNR Form 542-1322

Monitoring Well: MW 8 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1038.59
Well Depth	30.28
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1038.59
Well Depth	30.28
Top Screen	1018.31
Bottom Screen	1008.31
Bottom Well	1007.81
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	24.00
Top sample	1014.59
Bottom sample	1010.59
Turbidity(NTU)	3.53

Date	Time	Water Level	Water Elevation	Notes
7/14/2025	9:35	25.7	1012.89	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		3.53
Appendix I	Metals	150	150		3.53
Appendix I	VOC	240			3.53
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		1 - qt			
Supplemental		250			
Total			160	0	

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

TOC	1038.59	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	30.28	Before purging	7/14/2025	9:35	25.7	1012.89		0.0	
		After purging				1038.59			
		Top of Screen after construction				1018.31			
						20.28	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1008.31			
		Bottom of Well	7/14/2025		29.55	1009.04			
						0.73	feet sedimentation		
		Before Sampling				1038.59			
		Recovery				1038.59			
		Recovery				1038.59			
		Recovery				1038.59			
		Recovery				1038.59			

Delaware County Sanitary Landfill
PERMIT # 28-SDP-1-74C

9/17/2025

Sampled by: Todd Whipple

Weather conditions: Mostly cloudy, calm, 75-85 degrees

IDNR Form 542-1322

Monitoring Well: MW 5 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1061.68
Well Depth	28.75
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1061.68
Well Depth	28.75
Top Screen	1042.93
Bottom Screen	1032.93
Bottom Well	1030.18
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.50
Top sample	1039.18
Bottom sample	1035.18
Turbidity(NTU)	1.59

Date	Time	Water Level	Water Elevation	Notes
9/17/2025	10:07	21.66	1040.02	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.59
Appendix I	Metals	150	0		1.59
Appendix I	VOC	240	240		1.59
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	1 - qt			
Supplemental		250			
Total			250	0	

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

TOC	1061.68	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	28.75	Before purging	9/17/2025	10:07	21.66	1040.02		0.0	
		After purging				1061.68			
		Top of Screen after construction				1042.93			
						18.75	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1032.93			
		Bottom of Well	9/17/2025		28.10	1033.58			
						0.65	feet sedimentation		
		Before Sampling				1061.68			
		Recovery				1061.68			
		Recovery				1061.68			
		Recovery				1061.68			
		Recovery				1061.68			

IDNR Form 542-1322

Monitoring Well: MW 6(dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1056.92
Well Depth	80.40
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	1056.92
Well Depth	80.40
Top Screen	986.52
Bottom Screen	976.52
Bottom Well	975.73
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	75.00
Top sample	981.92
Bottom sample	977.92
Turbidity(NTU)	6.84

Date	Time	Water Level	Water Elevation	Notes
9/17/2025	10:23	46.72	1010.2	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		6.84
Appendix I	Metals	150	150		6.84
Appendix I	VOC	240	240		6.84
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	1 - qt			
Supplemental	Cyanide	250			
Total			400	0	

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

TOC	1056.92	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	80.40	Before purging	9/17/2025	10:23	46.72	1010.20		0.0	
		After purging				1056.92			
		Top of Screen after construction				986.52			
						70.40			feet above (+) or below (-) top screen
		Bottom of Well after construction				976.52			
		Bottom of Well	9/17/2025		82.80	974.12			
						-2.40			feet sedimentation
		Before Sampling				1056.92			
		Recovery				1056.92			
		Recovery				1056.92			
		Recovery				1056.92			
		Recovery				1056.92			

IDNR Form 542-1322

Monitoring Well: MW 7 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1038.92
Well Depth	47.42
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1038.92
Well Depth	47.42
Top Screen	1001.50
Bottom Screen	991.50
Bottom Well	985.92
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	40.00
Top sample	998.92
Bottom sample	994.92
Turbidity(NTU)	2.02

Date	Time	Water Level	Water Elevation	Notes
9/17/2025	11:14	24.6	1014.32	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		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		1 - qt			
Supplemental		250			
Total			400	0	

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

TOC	1038.92	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	47.42	Before purging	9/17/2025	11:14	24.6	1014.32		0.0	
		After purging				1038.92			
		Top of Screen after construction				1001.50			
						37.42	feet above (+) or below (-) top screen		
		Bottom of Well after construction				991.50			
		Bottom of Well	9/17/2025		47.00	991.92			
						0.42	feet sedimentation		
		Before Sampling				1038.92			
		Recovery				1038.92			
		Recovery				1038.92			
		Recovery				1038.92			
		Recovery				1038.92			

IDNR Form 542-1322

Monitoring Well: MW 8 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1038.59
Well Depth	30.28
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1038.59
Well Depth	30.28
Top Screen	1018.31
Bottom Screen	1008.31
Bottom Well	1007.81
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	26.00
Top sample	1012.59
Bottom sample	1008.59
Turbidity(NTU)	1.69

Date	Time	Water Level	Water Elevation	Notes
9/17/2025	11:00	25.73	1012.86	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.69
Appendix I	Metals	150	150		1.69
Appendix I	VOC	240	240		1.69
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		1 - qt			
Supplemental		250			
Total			400	0	

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

TOC	1038.59	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	30.28	Before purging	9/17/2025	11:00	25.73	1012.86		0.0	
		After purging				1038.59			
		Top of Screen after construction				1018.31			
						20.28	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1008.31			
		Bottom of Well	9/17/2025		29.55	1009.04			
						0.73	feet sedimentation		
		Before Sampling				1038.59			
		Recovery				1038.59			
		Recovery				1038.59			
		Recovery				1038.59			
		Recovery				1038.59			

IDNR Form 542-1322

Monitoring Well: MW 11 (ug)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1027.98
Well Depth	24.62
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	1027.98
Well Depth	24.62
Top Screen	1013.36
Bottom Screen	1003.36
Bottom Well	1002.86
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	19.00
Top sample	1008.98
Bottom sample	1004.98
Turbidity(NTU)	1.20

Date	Time	Water Level	Water Elevation	Notes
9/17/2025	8:37	16.61	1011.37	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.20
Appendix I	Metals	150	150		1.20
Appendix I	VOC	240	240		1.20
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	1 - qt			
Supplemental		250			
Total			400	0	

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

TOC	1027.98	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	24.62	Before purging	9/17/2025	8:37	16.61	1011.37		0.0	
		After purging				1027.98			
		Top of Screen after construction				1013.36			
						14.62	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1003.36			
		Bottom of Well	9/17/2025		24.40	1003.58			
						0.22	feet sedimentation		
		Before Sampling				1027.98			
		Recovery				1027.98			
		Recovery				1027.98			
		Recovery				1027.98			
		Recovery				1027.98			

IDNR Form 542-1322

Monitoring Well: MW 20 (ug)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1061.6
Well Depth	19.97
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	1061.6
Well Depth	19.97
Top Screen	1051.63
Bottom Screen	1041.63
Bottom Well	1040.63
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	1045.60
Bottom sample	1041.60
Turbidity(NTU)	2.41

Date	Time	Water Level	Water Elevation	Notes
9/17/2025	9:11	16.32	1045.28	

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		2.41
Appendix I	Metals	150	150		2.41
Appendix I	VOC	240	240		2.41
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	1 - qt			
Supplemental		250			
Total			400	0	

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

TOC	1061.6	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	19.97	Before purging	9/17/2025	9:11	16.32	1045.28		0.0	
		After purging				1061.60			
		Top of Screen after construction				1051.63			
						9.97			feet above (+) or below (-) top screen
		Bottom of Well after construction				1041.63			
		Bottom of Well	9/17/2025		20.40	1041.20			
						-0.43			feet sedimentation
		Before Sampling				1061.60			
		Recovery				1061.60			
		Recovery				1061.60			
		Recovery				1061.60			
		Recovery				1061.60			

IDNR Form 542-1322

Monitoring Well: MW 23 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1034.34
Well Depth	31.54
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	1034.34
Well Depth	31.54
Top Screen	1012.80
Bottom Screen	1002.80
Bottom Well	1001.80
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	27.50
Top sample	1006.84
Bottom sample	1002.84
Turbidity(NTU)	5.06

Date	Time	Water Level	Water Elevation	Notes
9/17/2025	10:42	26.79	1007.55	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		5.06
Appendix I	Metals	150	150		5.06
Appendix I	VOC	240	240		5.06
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	1 - qt			
Supplemental		250			
Total			400	0	

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

TOC	1034.34	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	31.54	Before purging	9/17/2025	10:42	26.79	1007.55		0.0	
		After purging				1034.34			
		Top of Screen after construction				1012.80			
						21.54	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1002.80			
		Bottom of Well	9/17/2025		33.30	1001.04			
						-1.76	feet sedimentation		
		Before Sampling				1034.34			
		Recovery				1034.34			
		Recovery				1034.34			
		Recovery				1034.34			
		Recovery				1034.34			

IDNR Form 542-1322

Monitoring Well: MW 24 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1017.06
Well Depth	21.10
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1017.06
Well Depth	21.15
Top Screen	1005.96
Bottom Screen	995.96
Bottom Well	995.96
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	1001.06
Bottom sample	997.06
Turbidity(NTU)	21.25

Date	Time	Water Level	Water Elevation	Notes
9/17/2025	11:59	2.83	1014.23	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		21.25
Appendix I	Metals	150	150		21.25
Appendix I	VOC	240	240		21.25
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	1 - qt			
Supplemental		250			
Total			400	0	

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

TOC	1017.06	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.10	Before purging	9/17/2025	11:59	2.83	1014.23		0.0	
		After purging				1017.06			
		Top of Screen after construction				1005.96			
						11.10	feet above (+) or below (-) top screen		
		Bottom of Well after construction				995.96			
		Bottom of Well	9/17/2025		21.15	995.91			
						-0.05	feet sedimentation		
		Before Sampling				1017.06			
		Recovery				1017.06			
		Recovery				1017.06			
		Recovery				1017.06			
		Recovery				1017.06			

IDNR Form 542-1322

Monitoring Well: MW 25 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1043.91
Well Depth	38.60
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1043.91
Well Depth	38.60
Top Screen	1015.31
Bottom Screen	1005.31
Bottom Well	1005.31
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	32.00
Top sample	1011.91
Bottom sample	1007.91
Turbidity(NTU)	0.47

Date	Time	Water Level	Water Elevation	Notes
9/17/2025	8:51	13.26	1030.65	

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		0.47
Appendix I	Metals	150	150		0.47
Appendix I	VOC	240	240		0.47
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	1 - qt			
Supplemental		250			
Total			400	0	

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

TOC	1043.91	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	38.60	Before purging	9/17/2025	8:51	13.26	1030.65		0.0	
		After purging				1043.91			
		Top of Screen after construction				1015.31			
						28.60	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1005.31			
		Bottom of Well	9/17/2025		38.45	1005.46			
						0.15	feet sedimentation		
		Before Sampling				1043.91			
		Recovery				1043.91			
		Recovery				1043.91			
		Recovery				1043.91			
		Recovery				1043.91			

IDNR Form 542-1322

Monitoring Well: MW 21 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1068.74
Well Depth	22.04
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	1068.74
Well Depth	22.04
Top Screen	1056.70
Bottom Screen	1046.70
Bottom Well	1045.70
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	19.00
Top sample	1049.74
Bottom sample	1045.74
Turbidity(NTU)	1.72

Date	Time	Water Level	Water Elevation	Notes
9/17/2025	9:30	15.17	1053.57	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.72
Appendix I	Metals	150	150		1.72
Appendix I	VOC	240	240		1.72
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	1 - qt			
Supplemental		250			
Total			400	0	

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

TOC	1068.74	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.04	Before purging	9/17/2025	9:30	15.17	1053.57		0.0	
		After purging				1068.74			
		Top of Screen after construction				1056.70			
						-3.13	feet above (+) or below (-) top screen		
		Bottom of Well after construction				1046.70			
		Bottom of Well	9/17/2025		24.40	1044.34			
						-2.36	feet sedimentation		
		Before Sampling				1068.74			
		Recovery				1068.74			
		Recovery				1068.74			
		Recovery				1068.74			
		Recovery				1068.74			

Appendix B

Statistical Reports

Appendix B.1 – Spring Statistical Evaluation Report

Results of the Ground Water Statistics for Delaware County Sanitary Landfill

First Semi-Annual Monitoring Event in 2025

Prepared for:
Delaware County Sanitary Landfill
Delaware County, Iowa

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

April 2025

Introduction

This report contains the results of the statistical analyses used to evaluate the ground water data obtained during the first semi-annual monitoring event in 2025 at Delaware County Sanitary Landfill in Delaware County, Iowa. The ground water monitoring well network at Delaware County Sanitary Landfill includes MW-11, MW-20, MW-21, MW-22, MW-23, MW-24, MW-25, MW-5, MW-6, MW-7, MW-8, and surface water sample SW-2. Sample points MW-11, MW-20, MW-21, MW-23, MW-24, MW-25, MW-5, MW-6, MW-7, and MW-8 were monitored on March 17, 2025 and analyzed for the parameters required by permit.

The statistical plan is designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. The interwell methodology is described and then applied to the Delaware County Sanitary Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10 and the USEPA 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 Delaware County Sanitary Landfill includes background wells MW-11 and MW-20 and compliance wells MW-21, MW-22, MW-23, MW-24, MW-25, MW-5, MW-6, MW-7, MW-8, and SW-2. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized below.

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

Organic Compounds:

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

Inorganic constituents:

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

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

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. The interwell method using site prediction limits was applied to the Delaware County Sanitary Landfill data using the DUMPStat[®] statistical program. DUMPStat[®] is a program for the statistical analysis of groundwater monitoring data using methods described in “Statistical Methods for Groundwater Monitoring” by Dr. Robert D. Gibbons. The DUMPStat program is completely consistent with all USEPA regulations and guidance and the ASTM D6312-98 guidance. Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

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

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-11 and MW-20 during the period from April 2015 through the current data. A summary of the background data from monitoring wells MW-11 and MW-20 used to determine the site prediction limits, is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient wells MW-21, MW-23, MW-24, MW-25, MW-5, MW-6, MW-7, and MW-8 compared to the site prediction limits. Prediction limit exceedances would be flagged with asterisks. For the most current data, the site prediction limit exceedances detected are summarized in the Table below.

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

Well	Trace Metal	Result	Prediction Limit	Prediction Limit Type	Verified or Awaiting Verification
MW-21	Zinc, µg/L	54.5	20.0000	Nonparametric	Verified
MW-23	Nickel, µg/L	15.6	10.5000	Nonparametric	Verified
MW-24	Arsenic, µg/L	84.7	4.0000	Nonparametric	Verified
	Barium, µg/L	1790	208.9771	Normal	Verified
MW-25	Barium, µg/L	301	208.9771	Normal	Verified
MW-5	Barium, µg/L	317	208.9771	Normal	Verified
	Nickel, µg/L	10.6	10.5000	Nonparametric	Verified
MW-6	Barium, µg/L	211	208.9771	Normal	Verified
MW-7	Barium, µg/L	382	208.9771	Normal	Verified
	Cobalt, µg/L	4.3	2.2000	Nonparametric	Verified
	Zinc, µg/L	26.4	20.0000	Nonparametric	Verified
MW-8	Arsenic, µg/L	16.0	4.0000	Nonparametric	Awaiting Verification
	Barium, µg/L	1020	208.9771	Normal	Verified
	Cobalt, µg/L	9.2	2.2000	Nonparametric	Verified
	Nickel, µg/L	134	10.5000	Nonparametric	Awaiting Verification

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 2% 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. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264 (e.g. whether the verified constituent is detected at a significant level above the GWPS). An exceedance is verified if the LCL is above the Regulatory GWPS.

The 95% LCL for cobalt at MW-8 (3.797 µg/L) exceeded the GWPS of 2.1 µg/L. The calculated 95% LCL for the remainder of the verified exceedances did not exceed GWPS.

Volatile Organic Compounds

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

Organic compounds detected at Delaware County Landfill during the first semi-annual monitoring event in 2025

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting Verification	Groundwater Standard, µg/L
MW-21	1,1-Dichloroethane	2.7	1	Verified	140 ^b
MW-23	<i>cis</i> -1,2-Dichloroethene	1.0	1	Awaiting Verification	70 ^a
MW-24	<i>cis</i> -1,2-Dichloroethene	2.7	1	Verified	70 ^a
MW-5	Chlorobenzene	1.8	1	Awaiting Verification	100 ^a
MW-8	<i>cis</i> -1,2-Dichloroethene	1.3	1	Awaiting Verification	70 ^a

a - USEPA MCL, b – Iowa Statewide Standard

The verified VOC detections were evaluated against the ground water protection standards (GWPS) using confidence limits. The analysis was conducted to evaluate whether verified concentrations are significantly above the water quality standard. The calculated LCLs for historically detected VOCs are below the respective GWPS.

Attachment A

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

Table 1

Analytical Data Summary for 3/17/2025

Constituents	Units	MW-11	MW-20	MW-21	MW-23	MW-24	MW-25	MW-5	MW-6	MW-7	MW-8	Sump 1
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,1-dichloroethane	ug/L	<1.0	<1.0	2.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,2,3-trichloropropane	ug/L	<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	
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,4-dichlorobenzene	ug/L	<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	
2-hexanone (mbk)	ug/L	<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	
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Arsenic, total	ug/L	<4.0	<4.0	<4.0	<4.0	84.7	<4.0	<4.0	<4.0	<4.0	16.0	<4.0
Barium, total	ug/L	127.0	68.7	205.0	136.0	1790.0	301.0	317.0	211.0	382.0	1020.0	
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Beryllium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Cadmium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Chlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	<1.0	<1.0	<1.0	
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	
Cis-1,2-dichloroethylene	ug/L	<1.0	<1.0	<1.0	1.0	2.7	<1.0	<1.0	<1.0	<1.0	1.3	
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Cobalt, total	ug/L	<4	<4	<4	<4	.7	<4	<4	.4	4.3	9.2	6.6
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Dichlorodifluoromethane	ug/L			<1								
Ethane	ug/L										<5	
Ethene	ug/L										<5	
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	
Methane	ug/L											
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Nickel, total	ug/L	<4.0	<4.0	<4.0	15.6	5.4	<4.0	10.6	<4.0	7.6	134.0	89.4
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Thallium, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Toluene	ug/L	<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	
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Zinc, total	ug/L	<20.0	<20.0	54.5	<20.0	<20.0	<20.0	<20.0	<20.0	26.4	<20.0	

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

Table 1

Analytical Data Summary for 3/17/2025

Constituents	Sump 2	Sump 3
1,1,1,2-tetrachloroethane		
1,1,1-trichloroethane		
1,1,2,2-tetrachloroethane		
1,1,2-trichloroethane		
1,1-dichloroethane		
1,1-dichloroethylene		
1,2,3-trichloropropane		
1,2-dibromo-3-chloropropane		
1,2-dibromoethane		
1,2-dichlorobenzene		
1,2-dichloroethane		
1,2-dichloropropane		
1,4-dichlorobenzene		
2-butanone (mek)		
2-hexanone (mbk)		
4-methyl-2-pentanone (mibk)		
Acetone		
Acrylonitrile		
Antimony, total		
Arsenic, total	<4.0	7.7
Barium, total		
Benzene		
Beryllium, total		
Bromochloromethane		
Bromodichloromethane		
Bromoform		
Bromomethane		
Cadmium, total		
Carbon disulfide		
Carbon tetrachloride		
Chlorobenzene		
Chloroethane		
Chloroform		
Chloromethane		
Chromium, total		
Cis-1,2-dichloroethylene		
Cis-1,3-dichloropropene		
Cobalt, total	.7	7.0
Copper, total		
Dibromochloromethane		
Dibromomethane		
Dichlorodifluoromethane		
Ethane	<5	
Ethene	<5	
Ethylbenzene		
Lead, total		
Methane	30.5	
Methyl iodide		
Methylene chloride		
Nickel, total	16.0	18.8
Selenium, total		
Silver, total		
Styrene		
Tetrachloroethylene		
Thallium, total		
Toluene		
Trans-1,2-dichloroethylene		
Trans-1,3-dichloropropene		
Trans-1,4-dichloro-2-butene		
Trichloroethylene		
Trichlorofluoromethane		
Vanadium, total		
Vinyl acetate		
Vinyl chloride		
Xylenes, total		
Zinc, total		

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

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-11	04/21/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	09/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	02/25/2016	ND	2.0000		
Antimony, total	ug/L	MW-11	09/06/2016	ND	2.0000		
Antimony, total	ug/L	MW-11	03/06/2017	ND	2.0000		
Antimony, total	ug/L	MW-11	09/05/2017	ND	2.0000		
Antimony, total	ug/L	MW-11	03/02/2018	ND	2.0000		
Antimony, total	ug/L	MW-11	09/04/2018	ND	2.0000		
Antimony, total	ug/L	MW-11	03/27/2019	ND	2.0000		
Antimony, total	ug/L	MW-11	09/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-11	03/30/2020	ND	2.0000		
Antimony, total	ug/L	MW-11	09/01/2020	ND	2.0000		
Antimony, total	ug/L	MW-11	03/03/2021	ND	2.0000		
Antimony, total	ug/L	MW-11	09/10/2021	ND	2.0000		
Antimony, total	ug/L	MW-11	03/04/2022	ND	2.0000		
Antimony, total	ug/L	MW-11	09/02/2022	ND	2.0000		
Antimony, total	ug/L	MW-11	03/21/2023	ND	2.0000		
Antimony, total	ug/L	MW-11	09/26/2023	ND	2.0000		
Antimony, total	ug/L	MW-11	09/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-11	03/17/2025	ND	2.0000		
Arsenic, total	ug/L	MW-11	04/21/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	02/25/2016	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/06/2016	ND	4.0000		
Arsenic, total	ug/L	MW-11	03/06/2017	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/05/2017	ND	4.0000		
Arsenic, total	ug/L	MW-11	03/02/2018	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/04/2018	ND	4.0000		
Arsenic, total	ug/L	MW-11	03/27/2019	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-11	03/30/2020	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/01/2020	ND	4.0000		
Arsenic, total	ug/L	MW-11	03/03/2021	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/10/2021	ND	4.0000		
Arsenic, total	ug/L	MW-11	03/04/2022	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/02/2022	ND	4.0000		
Arsenic, total	ug/L	MW-11	03/21/2023	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/26/2023	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-11	03/17/2025	ND	4.0000		
Barium, total	ug/L	MW-11	04/21/2015		120.0000		
Barium, total	ug/L	MW-11	09/08/2015		102.0000		
Barium, total	ug/L	MW-11	02/25/2016		111.0000		
Barium, total	ug/L	MW-11	09/06/2016		123.0000		
Barium, total	ug/L	MW-11	03/06/2017		123.0000		
Barium, total	ug/L	MW-11	09/05/2017		96.8000		
Barium, total	ug/L	MW-11	03/02/2018		112.0000		
Barium, total	ug/L	MW-11	09/04/2018		111.0000		
Barium, total	ug/L	MW-11	03/27/2019		116.0000		
Barium, total	ug/L	MW-11	09/07/2019		106.0000		
Barium, total	ug/L	MW-11	03/30/2020		107.0000		
Barium, total	ug/L	MW-11	09/01/2020		94.8000		
Barium, total	ug/L	MW-11	03/03/2021		130.0000		
Barium, total	ug/L	MW-11	09/10/2021		98.6000		
Barium, total	ug/L	MW-11	03/04/2022		113.0000		
Barium, total	ug/L	MW-11	09/02/2022		87.1000		
Barium, total	ug/L	MW-11	03/21/2023		113.0000		
Barium, total	ug/L	MW-11	09/26/2023		108.0000		
Barium, total	ug/L	MW-11	09/11/2024		123.0000		
Barium, total	ug/L	MW-11	03/17/2025		127.0000		
Beryllium, total	ug/L	MW-11	04/21/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	02/25/2016	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/06/2016	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/06/2017	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/05/2017	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/02/2018	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/04/2018	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/27/2019	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/30/2020	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/01/2020	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/03/2021	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/10/2021	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-11	03/04/2022	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/02/2022	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/21/2023	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/26/2023	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/17/2025	ND	4.0000		
Cadmium, total	ug/L	MW-11	04/21/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	02/25/2016	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/06/2016	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/06/2017	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/05/2017	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/02/2018	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/04/2018	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/27/2019	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/30/2020	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/01/2020	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/03/2021	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/10/2021	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/04/2022	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/02/2022	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/21/2023	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/26/2023		2.1000		
Cadmium, total	ug/L	MW-11	09/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/17/2025	ND	0.8000		
Chromium, total	ug/L	MW-11	04/21/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	09/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	02/25/2016	ND	8.0000		
Chromium, total	ug/L	MW-11	09/06/2016	ND	8.0000		
Chromium, total	ug/L	MW-11	03/06/2017	ND	8.0000		
Chromium, total	ug/L	MW-11	09/05/2017	ND	8.0000		
Chromium, total	ug/L	MW-11	03/02/2018	ND	8.0000		
Chromium, total	ug/L	MW-11	09/04/2018	ND	8.0000		
Chromium, total	ug/L	MW-11	03/27/2019	ND	8.0000		
Chromium, total	ug/L	MW-11	09/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-11	03/30/2020	ND	8.0000		
Chromium, total	ug/L	MW-11	09/01/2020	ND	8.0000		
Chromium, total	ug/L	MW-11	03/03/2021	ND	8.0000		
Chromium, total	ug/L	MW-11	09/10/2021	ND	8.0000		
Chromium, total	ug/L	MW-11	03/04/2022	ND	8.0000		
Chromium, total	ug/L	MW-11	09/02/2022	ND	8.0000		
Chromium, total	ug/L	MW-11	03/21/2023	ND	8.0000		
Chromium, total	ug/L	MW-11	09/26/2023	ND	8.0000		
Chromium, total	ug/L	MW-11	09/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-11	03/17/2025	ND	8.0000		
Cobalt, total	ug/L	MW-11	04/21/2015		1.4000		
Cobalt, total	ug/L	MW-11	09/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-11	02/25/2016	ND	0.8000		
Cobalt, total	ug/L	MW-11	09/06/2016		2.0000		
Cobalt, total	ug/L	MW-11	03/06/2017	ND	0.8000		
Cobalt, total	ug/L	MW-11	09/05/2017	ND	0.8000		
Cobalt, total	ug/L	MW-11	03/02/2018	ND	0.8000		
Cobalt, total	ug/L	MW-11	09/04/2018	ND	0.8000		
Cobalt, total	ug/L	MW-11	03/27/2019	ND	0.8000		
Cobalt, total	ug/L	MW-11	09/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-11	03/30/2020	ND	0.8000		
Cobalt, total	ug/L	MW-11	09/01/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	03/03/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	09/10/2021		0.6000		
Cobalt, total	ug/L	MW-11	03/04/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	09/02/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	03/21/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	09/26/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	09/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	03/17/2025	ND	0.4000	0.8000	**
Copper, total	ug/L	MW-11	04/21/2015	ND	4.0000		
Copper, total	ug/L	MW-11	09/08/2015	ND	4.0000		
Copper, total	ug/L	MW-11	02/25/2016	ND	4.0000		
Copper, total	ug/L	MW-11	09/06/2016	ND	4.0000		
Copper, total	ug/L	MW-11	03/06/2017	ND	4.0000		
Copper, total	ug/L	MW-11	09/05/2017	ND	4.0000		
Copper, total	ug/L	MW-11	03/02/2018	ND	4.0000		
Copper, total	ug/L	MW-11	09/04/2018	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	
Copper, total	ug/L	MW-11	03/27/2019	ND	4.0000		
Copper, total	ug/L	MW-11	09/07/2019	ND	4.0000		
Copper, total	ug/L	MW-11	03/30/2020	ND	4.0000		
Copper, total	ug/L	MW-11	09/01/2020	ND	4.0000		
Copper, total	ug/L	MW-11	03/03/2021	ND	4.0000		
Copper, total	ug/L	MW-11	09/10/2021	ND	4.0000		
Copper, total	ug/L	MW-11	03/04/2022	ND	4.0000		
Copper, total	ug/L	MW-11	09/02/2022	ND	4.0000		
Copper, total	ug/L	MW-11	03/21/2023	ND	4.0000		
Copper, total	ug/L	MW-11	09/26/2023	ND	4.0000		
Copper, total	ug/L	MW-11	09/11/2024	ND	4.0000		
Copper, total	ug/L	MW-11	03/17/2025	ND	4.0000		
Lead, total	ug/L	MW-11	04/21/2015	ND	4.0000		
Lead, total	ug/L	MW-11	09/08/2015	ND	4.0000		
Lead, total	ug/L	MW-11	02/25/2016	ND	4.0000		
Lead, total	ug/L	MW-11	09/06/2016	ND	4.0000		
Lead, total	ug/L	MW-11	03/06/2017	ND	4.0000		
Lead, total	ug/L	MW-11	09/05/2017	ND	4.0000		
Lead, total	ug/L	MW-11	03/02/2018	ND	4.0000		
Lead, total	ug/L	MW-11	09/04/2018	ND	4.0000		
Lead, total	ug/L	MW-11	03/27/2019	ND	4.0000		
Lead, total	ug/L	MW-11	09/07/2019	ND	4.0000		
Lead, total	ug/L	MW-11	03/30/2020	ND	4.0000		
Lead, total	ug/L	MW-11	09/01/2020	ND	4.0000		
Lead, total	ug/L	MW-11	03/03/2021	ND	4.0000		
Lead, total	ug/L	MW-11	09/10/2021	ND	4.0000		
Lead, total	ug/L	MW-11	03/04/2022	ND	4.0000		
Lead, total	ug/L	MW-11	09/02/2022	ND	4.0000		
Lead, total	ug/L	MW-11	03/21/2023	ND	4.0000		
Lead, total	ug/L	MW-11	09/26/2023	ND	4.0000		
Lead, total	ug/L	MW-11	09/11/2024	ND	4.0000		
Lead, total	ug/L	MW-11	03/17/2025	ND	4.0000		
Nickel, total	ug/L	MW-11	04/21/2015		7.0000		
Nickel, total	ug/L	MW-11	09/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-11	02/25/2016	ND	4.0000		
Nickel, total	ug/L	MW-11	09/06/2016		6.1000		
Nickel, total	ug/L	MW-11	03/06/2017		17.4000		*
Nickel, total	ug/L	MW-11	09/05/2017	ND	4.0000		
Nickel, total	ug/L	MW-11	03/02/2018	ND	4.0000		
Nickel, total	ug/L	MW-11	09/04/2018	ND	4.0000		
Nickel, total	ug/L	MW-11	03/27/2019	ND	4.0000		
Nickel, total	ug/L	MW-11	09/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-11	03/30/2020	ND	4.0000		
Nickel, total	ug/L	MW-11	09/01/2020	ND	4.0000		
Nickel, total	ug/L	MW-11	03/03/2021	ND	4.0000		
Nickel, total	ug/L	MW-11	09/10/2021	ND	4.0000		
Nickel, total	ug/L	MW-11	03/04/2022	ND	4.0000		
Nickel, total	ug/L	MW-11	09/02/2022	ND	4.0000		
Nickel, total	ug/L	MW-11	03/21/2023	ND	4.0000		
Nickel, total	ug/L	MW-11	09/26/2023	ND	4.0000		
Nickel, total	ug/L	MW-11	09/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-11	03/17/2025	ND	4.0000		
Selenium, total	ug/L	MW-11	04/21/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	09/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	02/25/2016	ND	4.0000		
Selenium, total	ug/L	MW-11	09/06/2016	ND	4.0000		
Selenium, total	ug/L	MW-11	03/06/2017	ND	4.0000		
Selenium, total	ug/L	MW-11	09/05/2017	ND	4.0000		
Selenium, total	ug/L	MW-11	03/02/2018	ND	4.0000		
Selenium, total	ug/L	MW-11	09/04/2018	ND	4.0000		
Selenium, total	ug/L	MW-11	03/27/2019	ND	4.0000		
Selenium, total	ug/L	MW-11	09/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-11	03/30/2020	ND	4.0000		
Selenium, total	ug/L	MW-11	09/01/2020	ND	4.0000		
Selenium, total	ug/L	MW-11	03/03/2021	ND	4.0000		
Selenium, total	ug/L	MW-11	09/10/2021	ND	4.0000		
Selenium, total	ug/L	MW-11	03/04/2022	ND	4.0000		
Selenium, total	ug/L	MW-11	09/02/2022	ND	4.0000		
Selenium, total	ug/L	MW-11	03/21/2023	ND	4.0000		
Selenium, total	ug/L	MW-11	09/26/2023	ND	4.0000		
Selenium, total	ug/L	MW-11	09/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-11	03/17/2025	ND	4.0000		
Silver, total	ug/L	MW-11	04/21/2015	ND	4.0000		
Silver, total	ug/L	MW-11	09/08/2015	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Silver, total	ug/L	MW-11	02/25/2016	ND	4.0000		
Silver, total	ug/L	MW-11	09/06/2016	ND	4.0000		
Silver, total	ug/L	MW-11	03/06/2017	ND	4.0000		
Silver, total	ug/L	MW-11	09/05/2017	ND	4.0000		
Silver, total	ug/L	MW-11	03/02/2018	ND	4.0000		
Silver, total	ug/L	MW-11	09/04/2018	ND	4.0000		
Silver, total	ug/L	MW-11	03/27/2019	ND	4.0000		
Silver, total	ug/L	MW-11	09/07/2019	ND	4.0000		
Silver, total	ug/L	MW-11	03/30/2020	ND	4.0000		
Silver, total	ug/L	MW-11	09/01/2020	ND	4.0000		
Silver, total	ug/L	MW-11	03/03/2021	ND	4.0000		
Silver, total	ug/L	MW-11	09/10/2021	ND	4.0000		
Silver, total	ug/L	MW-11	03/04/2022	ND	4.0000		
Silver, total	ug/L	MW-11	09/02/2022	ND	4.0000		
Silver, total	ug/L	MW-11	03/21/2023	ND	4.0000		
Silver, total	ug/L	MW-11	09/26/2023	ND	4.0000		
Silver, total	ug/L	MW-11	09/11/2024	ND	4.0000		
Silver, total	ug/L	MW-11	03/17/2025	ND	4.0000		
Thallium, total	ug/L	MW-11	04/21/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	09/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	02/25/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	09/06/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	03/06/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	09/05/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	03/02/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	09/04/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	03/27/2019	ND	2.0000		
Thallium, total	ug/L	MW-11	09/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-11	03/30/2020	ND	2.0000		
Thallium, total	ug/L	MW-11	09/01/2020	ND	2.0000		
Thallium, total	ug/L	MW-11	03/03/2021	ND	2.0000		
Thallium, total	ug/L	MW-11	09/10/2021	ND	2.0000		
Thallium, total	ug/L	MW-11	03/04/2022	ND	2.0000		
Thallium, total	ug/L	MW-11	09/02/2022	ND	2.0000		
Thallium, total	ug/L	MW-11	03/21/2023	ND	2.0000		
Thallium, total	ug/L	MW-11	09/26/2023	ND	2.0000		
Thallium, total	ug/L	MW-11	09/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-11	03/17/2025	ND	2.0000		
Vanadium, total	ug/L	MW-11	04/21/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	02/25/2016	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/06/2016	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/06/2017	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/05/2017	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/02/2018	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/04/2018	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/27/2019	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/30/2020	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/01/2020	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/03/2021	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/10/2021	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/04/2022	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/02/2022	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/21/2023	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/26/2023	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/17/2025	ND	20.0000		
Zinc, total	ug/L	MW-11	04/21/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	09/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	02/25/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	09/06/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	03/06/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	09/05/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	03/02/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	09/04/2018	ND	20.0000		
Zinc, total	ug/L	MW-11	03/27/2019		12.1000		
Zinc, total	ug/L	MW-11	09/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	03/30/2020	ND	20.0000		
Zinc, total	ug/L	MW-11	09/01/2020	ND	20.0000		
Zinc, total	ug/L	MW-11	03/03/2021	ND	20.0000		
Zinc, total	ug/L	MW-11	09/10/2021	ND	20.0000		
Zinc, total	ug/L	MW-11	03/04/2022	ND	20.0000		
Zinc, total	ug/L	MW-11	09/02/2022	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-11	03/21/2023	ND	20.0000		
Zinc, total	ug/L	MW-11	09/26/2023	ND	20.0000		
Zinc, total	ug/L	MW-11	09/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-11	03/17/2025	ND	20.0000		
Antimony, total	ug/L	MW-20	04/21/2015	ND	2.0000		
Antimony, total	ug/L	MW-20	09/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-20	02/25/2016	ND	2.0000		
Antimony, total	ug/L	MW-20	09/06/2016	ND	2.0000		
Antimony, total	ug/L	MW-20	03/06/2017	ND	2.0000		
Antimony, total	ug/L	MW-20	09/05/2017	ND	2.0000		
Antimony, total	ug/L	MW-20	03/02/2018	ND	2.0000		
Antimony, total	ug/L	MW-20	09/04/2018	ND	2.0000		
Antimony, total	ug/L	MW-20	03/27/2019	ND	2.0000		
Antimony, total	ug/L	MW-20	09/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-20	03/30/2020	ND	2.0000		
Antimony, total	ug/L	MW-20	09/01/2020	ND	2.0000		
Antimony, total	ug/L	MW-20	03/03/2021	ND	2.0000		
Antimony, total	ug/L	MW-20	09/10/2021	ND	2.0000		
Antimony, total	ug/L	MW-20	03/04/2022	ND	2.0000		
Antimony, total	ug/L	MW-20	09/02/2022	ND	2.0000		
Antimony, total	ug/L	MW-20	03/21/2023	ND	2.0000		
Antimony, total	ug/L	MW-20	03/01/2024	ND	2.0000		
Antimony, total	ug/L	MW-20	09/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-20	03/17/2025	ND	2.0000		
Arsenic, total	ug/L	MW-20	04/21/2015	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-20	02/25/2016	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/06/2016	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/06/2017	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/05/2017	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/02/2018	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/04/2018	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/27/2019	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/30/2020	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/01/2020	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/03/2021	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/10/2021	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/04/2022	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/02/2022	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/21/2023	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/01/2024	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/17/2025	ND	4.0000		
Barium, total	ug/L	MW-20	04/21/2015		175.0000		
Barium, total	ug/L	MW-20	09/08/2015		194.0000		
Barium, total	ug/L	MW-20	02/25/2016		107.0000		
Barium, total	ug/L	MW-20	09/06/2016		210.0000		
Barium, total	ug/L	MW-20	03/06/2017		109.0000		
Barium, total	ug/L	MW-20	09/05/2017		177.0000		
Barium, total	ug/L	MW-20	03/02/2018		73.2000		
Barium, total	ug/L	MW-20	09/04/2018		148.0000		
Barium, total	ug/L	MW-20	03/27/2019		121.0000		
Barium, total	ug/L	MW-20	09/07/2019		159.0000		
Barium, total	ug/L	MW-20	03/30/2020		122.0000		
Barium, total	ug/L	MW-20	09/01/2020		166.0000		
Barium, total	ug/L	MW-20	03/03/2021		91.0000		
Barium, total	ug/L	MW-20	09/10/2021		137.0000		
Barium, total	ug/L	MW-20	03/04/2022		181.0000		
Barium, total	ug/L	MW-20	09/02/2022		146.0000		
Barium, total	ug/L	MW-20	03/21/2023		123.0000		
Barium, total	ug/L	MW-20	03/01/2024		175.0000		
Barium, total	ug/L	MW-20	09/11/2024		178.0000		
Barium, total	ug/L	MW-20	03/17/2025		68.7000		
Beryllium, total	ug/L	MW-20	04/21/2015	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-20	02/25/2016	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/06/2016	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/06/2017	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/05/2017	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/02/2018	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/04/2018	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/27/2019	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/07/2019	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-20	03/30/2020	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/01/2020	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/03/2021	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/10/2021	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/04/2022	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/02/2022	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/21/2023	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/01/2024	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/17/2025	ND	4.0000		
Cadmium, total	ug/L	MW-20	04/21/2015	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-20	02/25/2016	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/06/2016		1.0000		
Cadmium, total	ug/L	MW-20	03/06/2017	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/05/2017	ND	0.8000		
Cadmium, total	ug/L	MW-20	03/02/2018	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/04/2018	ND	0.8000		
Cadmium, total	ug/L	MW-20	03/27/2019	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-20	03/30/2020	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/01/2020	ND	0.8000		
Cadmium, total	ug/L	MW-20	03/03/2021	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/10/2021	ND	0.8000		
Cadmium, total	ug/L	MW-20	03/04/2022	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/02/2022	ND	0.8000		
Cadmium, total	ug/L	MW-20	03/21/2023	ND	0.8000		
Cadmium, total	ug/L	MW-20	03/01/2024	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-20	03/17/2025	ND	0.8000		
Chromium, total	ug/L	MW-20	04/21/2015	ND	8.0000		
Chromium, total	ug/L	MW-20	09/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-20	02/25/2016	ND	8.0000		
Chromium, total	ug/L	MW-20	09/06/2016	ND	8.0000		
Chromium, total	ug/L	MW-20	03/06/2017	ND	8.0000		
Chromium, total	ug/L	MW-20	09/05/2017		8.7000		
Chromium, total	ug/L	MW-20	03/02/2018	ND	8.0000		
Chromium, total	ug/L	MW-20	09/04/2018	ND	8.0000		
Chromium, total	ug/L	MW-20	03/27/2019	ND	8.0000		
Chromium, total	ug/L	MW-20	09/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-20	03/30/2020	ND	8.0000		
Chromium, total	ug/L	MW-20	09/01/2020	ND	8.0000		
Chromium, total	ug/L	MW-20	03/03/2021	ND	8.0000		
Chromium, total	ug/L	MW-20	09/10/2021	ND	8.0000		
Chromium, total	ug/L	MW-20	03/04/2022	ND	8.0000		
Chromium, total	ug/L	MW-20	09/02/2022	ND	8.0000		
Chromium, total	ug/L	MW-20	03/21/2023	ND	8.0000		
Chromium, total	ug/L	MW-20	03/01/2024	ND	8.0000		
Chromium, total	ug/L	MW-20	09/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-20	03/17/2025	ND	8.0000		
Cobalt, total	ug/L	MW-20	04/21/2015	ND	0.8000		
Cobalt, total	ug/L	MW-20	09/08/2015		2.1000		
Cobalt, total	ug/L	MW-20	02/25/2016	ND	0.8000		
Cobalt, total	ug/L	MW-20	09/06/2016	ND	0.8000		
Cobalt, total	ug/L	MW-20	03/06/2017	ND	0.8000		
Cobalt, total	ug/L	MW-20	09/05/2017		2.2000		
Cobalt, total	ug/L	MW-20	03/02/2018	ND	0.8000		
Cobalt, total	ug/L	MW-20	09/04/2018	ND	0.8000		
Cobalt, total	ug/L	MW-20	03/27/2019	ND	0.8000		
Cobalt, total	ug/L	MW-20	09/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-20	03/30/2020	ND	0.8000		
Cobalt, total	ug/L	MW-20	09/01/2020		0.8000		
Cobalt, total	ug/L	MW-20	03/03/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-20	09/10/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-20	03/04/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-20	09/02/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-20	03/21/2023		0.7000		
Cobalt, total	ug/L	MW-20	03/01/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-20	09/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-20	03/17/2025	ND	0.4000	0.8000	**
Copper, total	ug/L	MW-20	04/21/2015	ND	4.0000		
Copper, total	ug/L	MW-20	09/08/2015	ND	4.0000		
Copper, total	ug/L	MW-20	02/25/2016	ND	4.0000		
Copper, total	ug/L	MW-20	09/06/2016		4.9000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-20	03/06/2017	ND	4.0000		
Copper, total	ug/L	MW-20	09/05/2017	ND	4.0000		
Copper, total	ug/L	MW-20	03/02/2018	ND	4.0000		
Copper, total	ug/L	MW-20	09/04/2018	ND	4.0000		
Copper, total	ug/L	MW-20	03/27/2019	ND	4.0000		
Copper, total	ug/L	MW-20	09/07/2019	ND	4.0000		
Copper, total	ug/L	MW-20	03/30/2020	ND	4.0000		
Copper, total	ug/L	MW-20	09/01/2020		5.3000		
Copper, total	ug/L	MW-20	03/03/2021	ND	4.0000		
Copper, total	ug/L	MW-20	09/10/2021	ND	4.0000		
Copper, total	ug/L	MW-20	03/04/2022	ND	4.0000		
Copper, total	ug/L	MW-20	09/02/2022	ND	4.0000		
Copper, total	ug/L	MW-20	03/21/2023	ND	4.0000		
Copper, total	ug/L	MW-20	03/01/2024	ND	4.0000		
Copper, total	ug/L	MW-20	09/11/2024	ND	4.0000		
Copper, total	ug/L	MW-20	03/17/2025	ND	4.0000		
Lead, total	ug/L	MW-20	04/21/2015	ND	4.0000		
Lead, total	ug/L	MW-20	09/08/2015	ND	4.0000		
Lead, total	ug/L	MW-20	02/25/2016	ND	4.0000		
Lead, total	ug/L	MW-20	09/06/2016	ND	4.0000		
Lead, total	ug/L	MW-20	03/06/2017	ND	4.0000		
Lead, total	ug/L	MW-20	09/05/2017	ND	4.0000		
Lead, total	ug/L	MW-20	03/02/2018	ND	4.0000		
Lead, total	ug/L	MW-20	09/04/2018	ND	4.0000		
Lead, total	ug/L	MW-20	03/27/2019	ND	4.0000		
Lead, total	ug/L	MW-20	09/07/2019	ND	4.0000		
Lead, total	ug/L	MW-20	03/30/2020	ND	4.0000		
Lead, total	ug/L	MW-20	09/01/2020	ND	4.0000		
Lead, total	ug/L	MW-20	03/03/2021	ND	4.0000		
Lead, total	ug/L	MW-20	09/10/2021	ND	4.0000		
Lead, total	ug/L	MW-20	03/04/2022	ND	4.0000		
Lead, total	ug/L	MW-20	09/02/2022	ND	4.0000		
Lead, total	ug/L	MW-20	03/21/2023	ND	4.0000		
Lead, total	ug/L	MW-20	03/01/2024	ND	4.0000		
Lead, total	ug/L	MW-20	09/11/2024	ND	4.0000		
Lead, total	ug/L	MW-20	03/17/2025	ND	4.0000		
Nickel, total	ug/L	MW-20	04/21/2015	ND	4.0000		
Nickel, total	ug/L	MW-20	09/08/2015		4.6000		
Nickel, total	ug/L	MW-20	02/25/2016	ND	4.0000		
Nickel, total	ug/L	MW-20	09/06/2016		4.5000		
Nickel, total	ug/L	MW-20	03/06/2017	ND	4.0000		
Nickel, total	ug/L	MW-20	09/05/2017		10.5000		
Nickel, total	ug/L	MW-20	03/02/2018		4.4000		
Nickel, total	ug/L	MW-20	09/04/2018		4.9000		
Nickel, total	ug/L	MW-20	03/27/2019		4.6000		
Nickel, total	ug/L	MW-20	09/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-20	03/30/2020		5.2000		
Nickel, total	ug/L	MW-20	09/01/2020		8.8000		
Nickel, total	ug/L	MW-20	03/03/2021	ND	4.0000		
Nickel, total	ug/L	MW-20	09/10/2021	ND	4.0000		
Nickel, total	ug/L	MW-20	03/04/2022		4.6000		
Nickel, total	ug/L	MW-20	09/02/2022		4.1000		
Nickel, total	ug/L	MW-20	03/21/2023		4.5000		
Nickel, total	ug/L	MW-20	03/01/2024		6.2000		
Nickel, total	ug/L	MW-20	09/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-20	03/17/2025	ND	4.0000		
Selenium, total	ug/L	MW-20	04/21/2015	ND	4.0000		
Selenium, total	ug/L	MW-20	09/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-20	02/25/2016	ND	4.0000		
Selenium, total	ug/L	MW-20	09/06/2016		5.2000		
Selenium, total	ug/L	MW-20	03/06/2017	ND	4.0000		
Selenium, total	ug/L	MW-20	09/05/2017	ND	4.0000		
Selenium, total	ug/L	MW-20	03/02/2018	ND	4.0000		
Selenium, total	ug/L	MW-20	09/04/2018	ND	4.0000		
Selenium, total	ug/L	MW-20	03/27/2019	ND	4.0000		
Selenium, total	ug/L	MW-20	09/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-20	03/30/2020	ND	4.0000		
Selenium, total	ug/L	MW-20	09/01/2020	ND	4.0000		
Selenium, total	ug/L	MW-20	03/03/2021	ND	4.0000		
Selenium, total	ug/L	MW-20	09/10/2021	ND	4.0000		
Selenium, total	ug/L	MW-20	03/04/2022	ND	4.0000		
Selenium, total	ug/L	MW-20	09/02/2022	ND	4.0000		
Selenium, total	ug/L	MW-20	03/21/2023	ND	4.1000		
Selenium, total	ug/L	MW-20	03/01/2024	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-20	09/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-20	03/17/2025	ND	4.0000		
Silver, total	ug/L	MW-20	04/21/2015	ND	4.0000		
Silver, total	ug/L	MW-20	09/08/2015	ND	4.0000		
Silver, total	ug/L	MW-20	02/25/2016	ND	4.0000		
Silver, total	ug/L	MW-20	09/06/2016	ND	4.0000		
Silver, total	ug/L	MW-20	03/06/2017	ND	4.0000		
Silver, total	ug/L	MW-20	09/05/2017	ND	4.0000		
Silver, total	ug/L	MW-20	03/02/2018	ND	4.0000		
Silver, total	ug/L	MW-20	09/04/2018	ND	4.0000		
Silver, total	ug/L	MW-20	03/27/2019	ND	4.0000		
Silver, total	ug/L	MW-20	09/07/2019	ND	4.0000		
Silver, total	ug/L	MW-20	03/30/2020	ND	4.0000		
Silver, total	ug/L	MW-20	09/01/2020	ND	4.0000		
Silver, total	ug/L	MW-20	03/03/2021	ND	4.0000		
Silver, total	ug/L	MW-20	09/10/2021	ND	4.0000		
Silver, total	ug/L	MW-20	03/04/2022	ND	4.0000		
Silver, total	ug/L	MW-20	09/02/2022	ND	4.0000		
Silver, total	ug/L	MW-20	03/21/2023	ND	4.0000		
Silver, total	ug/L	MW-20	03/01/2024	ND	4.0000		
Silver, total	ug/L	MW-20	09/11/2024	ND	4.0000		
Silver, total	ug/L	MW-20	03/17/2025	ND	4.0000		
Thallium, total	ug/L	MW-20	04/21/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-20	09/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-20	02/25/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-20	09/06/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-20	03/06/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-20	09/05/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-20	03/02/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-20	09/04/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-20	03/27/2019	ND	2.0000		
Thallium, total	ug/L	MW-20	09/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-20	03/30/2020	ND	2.0000		
Thallium, total	ug/L	MW-20	09/01/2020	ND	2.0000		
Thallium, total	ug/L	MW-20	03/03/2021	ND	2.0000		
Thallium, total	ug/L	MW-20	09/10/2021	ND	2.0000		
Thallium, total	ug/L	MW-20	03/04/2022	ND	2.0000		
Thallium, total	ug/L	MW-20	09/02/2022	ND	2.0000		
Thallium, total	ug/L	MW-20	03/21/2023	ND	2.0000		
Thallium, total	ug/L	MW-20	03/01/2024	ND	2.0000		
Thallium, total	ug/L	MW-20	09/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-20	03/17/2025	ND	2.0000		
Vanadium, total	ug/L	MW-20	04/21/2015	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-20	02/25/2016	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/06/2016	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/06/2017	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/05/2017	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/02/2018	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/04/2018	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/27/2019	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/30/2020	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/01/2020	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/03/2021	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/10/2021	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/04/2022	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/02/2022	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/21/2023	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/01/2024	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/17/2025	ND	20.0000		
Zinc, total	ug/L	MW-20	04/21/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-20	09/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-20	02/25/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-20	09/06/2016		10.7000		
Zinc, total	ug/L	MW-20	03/06/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-20	09/05/2017		11.2000		
Zinc, total	ug/L	MW-20	03/02/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-20	09/04/2018	ND	20.0000		
Zinc, total	ug/L	MW-20	03/27/2019		19.0000		
Zinc, total	ug/L	MW-20	09/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-20	03/30/2020	ND	20.0000		
Zinc, total	ug/L	MW-20	09/01/2020	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1**Upgradient Data**

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-20	03/03/2021	ND	20.0000		
Zinc, total	ug/L	MW-20	09/10/2021	ND	20.0000		
Zinc, total	ug/L	MW-20	03/04/2022	ND	20.0000		
Zinc, total	ug/L	MW-20	09/02/2022	ND	20.0000		
Zinc, total	ug/L	MW-20	03/21/2023	ND	20.0000		
Zinc, total	ug/L	MW-20	03/01/2024	ND	20.0000		
Zinc, total	ug/L	MW-20	09/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-20	03/17/2025	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, total	ug/L	MW-21	03/17/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-21	03/17/2025	ND	4.0000		4.0000
Barium, total	ug/L	MW-21	03/17/2025		205.0000		208.9771
Beryllium, total	ug/L	MW-21	03/17/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-21	03/17/2025	ND	0.8000		2.1000
Chromium, total	ug/L	MW-21	03/17/2025	ND	8.0000		8.7000
Cobalt, total	ug/L	MW-21	03/17/2025	ND	0.4000		2.2000
Copper, total	ug/L	MW-21	03/17/2025	ND	4.0000		5.3000
Lead, total	ug/L	MW-21	03/17/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-21	03/17/2025	ND	4.0000		10.5000
Selenium, total	ug/L	MW-21	03/17/2025	ND	4.0000		5.2000
Silver, total	ug/L	MW-21	03/17/2025	ND	4.0000		4.0000
Thallium, total	ug/L	MW-21	03/17/2025	ND	2.0000		2.0000
Vanadium, total	ug/L	MW-21	03/17/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-21	03/17/2025		54.5000	***	20.0000
Antimony, total	ug/L	MW-23	03/17/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-23	03/17/2025	ND	4.0000		4.0000
Barium, total	ug/L	MW-23	03/17/2025		136.0000		208.9771
Beryllium, total	ug/L	MW-23	03/17/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-23	03/17/2025	ND	0.8000		2.1000
Chromium, total	ug/L	MW-23	03/17/2025	ND	8.0000		8.7000
Cobalt, total	ug/L	MW-23	03/17/2025	ND	0.4000		2.2000
Copper, total	ug/L	MW-23	03/17/2025	ND	4.0000		5.3000
Lead, total	ug/L	MW-23	03/17/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-23	03/17/2025		15.6000	***	10.5000
Selenium, total	ug/L	MW-23	03/17/2025	ND	4.0000		5.2000
Silver, total	ug/L	MW-23	03/17/2025	ND	4.0000		4.0000
Thallium, total	ug/L	MW-23	03/17/2025	ND	2.0000		2.0000
Vanadium, total	ug/L	MW-23	03/17/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-23	03/17/2025	ND	20.0000		20.0000
Antimony, total	ug/L	MW-24	03/17/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-24	03/17/2025		84.7000	***	4.0000
Barium, total	ug/L	MW-24	03/17/2025		1790.0000	***	208.9771
Beryllium, total	ug/L	MW-24	03/17/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-24	03/17/2025	ND	0.8000		2.1000
Chromium, total	ug/L	MW-24	03/17/2025	ND	8.0000		8.7000
Cobalt, total	ug/L	MW-24	03/17/2025		0.7000		2.2000
Copper, total	ug/L	MW-24	03/17/2025	ND	4.0000		5.3000
Lead, total	ug/L	MW-24	03/17/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-24	03/17/2025		5.4000		10.5000
Selenium, total	ug/L	MW-24	03/17/2025	ND	4.0000		5.2000
Silver, total	ug/L	MW-24	03/17/2025	ND	4.0000		4.0000
Thallium, total	ug/L	MW-24	03/17/2025	ND	2.0000		2.0000
Vanadium, total	ug/L	MW-24	03/17/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-24	03/17/2025	ND	20.0000		20.0000
Antimony, total	ug/L	MW-25	03/17/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-25	03/17/2025	ND	4.0000		4.0000
Barium, total	ug/L	MW-25	03/17/2025		301.0000	***	208.9771
Beryllium, total	ug/L	MW-25	03/17/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-25	03/17/2025	ND	0.8000		2.1000
Chromium, total	ug/L	MW-25	03/17/2025	ND	8.0000		8.7000
Cobalt, total	ug/L	MW-25	03/17/2025	ND	0.4000		2.2000
Copper, total	ug/L	MW-25	03/17/2025	ND	4.0000		5.3000
Lead, total	ug/L	MW-25	03/17/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-25	03/17/2025	ND	4.0000		10.5000
Selenium, total	ug/L	MW-25	03/17/2025	ND	4.0000		5.2000
Silver, total	ug/L	MW-25	03/17/2025	ND	4.0000		4.0000
Thallium, total	ug/L	MW-25	03/17/2025	ND	2.0000		2.0000
Vanadium, total	ug/L	MW-25	03/17/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-25	03/17/2025	ND	20.0000		20.0000
Antimony, total	ug/L	MW-5	03/17/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-5	03/17/2025	ND	4.0000		4.0000
Barium, total	ug/L	MW-5	03/17/2025		317.0000	***	208.9771
Beryllium, total	ug/L	MW-5	03/17/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-5	03/17/2025	ND	0.8000		2.1000
Chromium, total	ug/L	MW-5	03/17/2025	ND	8.0000		8.7000
Cobalt, total	ug/L	MW-5	03/17/2025	ND	0.4000		2.2000
Copper, total	ug/L	MW-5	03/17/2025	ND	4.0000		5.3000
Lead, total	ug/L	MW-5	03/17/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-5	03/17/2025		10.6000	***	10.5000
Selenium, total	ug/L	MW-5	03/17/2025	ND	4.0000		5.2000
Silver, total	ug/L	MW-5	03/17/2025	ND	4.0000		4.0000

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Thallium, total	ug/L	MW-5	03/17/2025	ND	2.0000		2.0000
Vanadium, total	ug/L	MW-5	03/17/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-5	03/17/2025	ND	20.0000		20.0000
Antimony, total	ug/L	MW-6	03/17/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-6	03/17/2025	ND	4.0000		4.0000
Barium, total	ug/L	MW-6	03/17/2025		211.0000	***	208.9771
Beryllium, total	ug/L	MW-6	03/17/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-6	03/17/2025	ND	0.8000		2.1000
Chromium, total	ug/L	MW-6	03/17/2025	ND	8.0000		8.7000
Cobalt, total	ug/L	MW-6	03/17/2025		0.4000		2.2000
Copper, total	ug/L	MW-6	03/17/2025	ND	4.0000		5.3000
Lead, total	ug/L	MW-6	03/17/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-6	03/17/2025	ND	4.0000		10.5000
Selenium, total	ug/L	MW-6	03/17/2025	ND	4.0000		5.2000
Silver, total	ug/L	MW-6	03/17/2025	ND	4.0000		4.0000
Thallium, total	ug/L	MW-6	03/17/2025	ND	2.0000		2.0000
Vanadium, total	ug/L	MW-6	03/17/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-6	03/17/2025	ND	20.0000		20.0000
Antimony, total	ug/L	MW-7	03/17/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-7	03/17/2025	ND	4.0000	**	4.0000
Barium, total	ug/L	MW-7	03/17/2025		382.0000	***	208.9771
Beryllium, total	ug/L	MW-7	03/17/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-7	03/17/2025	ND	0.8000		2.1000
Chromium, total	ug/L	MW-7	03/17/2025	ND	8.0000		8.7000
Cobalt, total	ug/L	MW-7	03/17/2025		4.3000	***	2.2000
Copper, total	ug/L	MW-7	03/17/2025	ND	4.0000	**	5.3000
Lead, total	ug/L	MW-7	03/17/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-7	03/17/2025		7.6000	**	10.5000
Selenium, total	ug/L	MW-7	03/17/2025	ND	4.0000		5.2000
Silver, total	ug/L	MW-7	03/17/2025	ND	4.0000		4.0000
Thallium, total	ug/L	MW-7	03/17/2025	ND	2.0000		2.0000
Vanadium, total	ug/L	MW-7	03/17/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	03/17/2025		26.4000	***	20.0000
Antimony, total	ug/L	MW-8	03/17/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-8	03/17/2025		16.0000	*	4.0000
Barium, total	ug/L	MW-8	03/17/2025		1020.0000	***	208.9771
Beryllium, total	ug/L	MW-8	03/17/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-8	03/17/2025	ND	0.8000		2.1000
Chromium, total	ug/L	MW-8	03/17/2025	ND	8.0000		8.7000
Cobalt, total	ug/L	MW-8	03/17/2025		9.2000	***	2.2000
Copper, total	ug/L	MW-8	03/17/2025	ND	4.0000		5.3000
Lead, total	ug/L	MW-8	03/17/2025	ND	4.0000		4.0000
Nickel, total	ug/L	MW-8	03/17/2025		134.0000	*	10.5000
Selenium, total	ug/L	MW-8	03/17/2025	ND	4.0000		5.2000
Silver, total	ug/L	MW-8	03/17/2025	ND	4.0000		4.0000
Thallium, total	ug/L	MW-8	03/17/2025	ND	2.0000		2.0000
Vanadium, total	ug/L	MW-8	03/17/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-8	03/17/2025	ND	20.0000	**	20.0000

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

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

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	0	40	0.000	1	184	0.005
Arsenic, total	0	40	0.000	62	186	0.333
Barium, total	40	40	1.000	231	231	1.000
Beryllium, total	0	40	0.000	0	184	0.000
Cadmium, total	2	40	0.050	35	206	0.170
Chromium, total	1	40	0.025	23	196	0.117
Cobalt, total	7	40	0.175	117	216	0.542
Copper, total	2	40	0.050	52	217	0.240
Lead, total	0	40	0.000	24	196	0.122
Nickel, total	14	39	0.359	154	230	0.670
Selenium, total	2	40	0.050	4	184	0.022
Silver, total	0	40	0.000	0	183	0.000
Thallium, total	0	40	0.000	1	184	0.005
Vanadium, total	0	40	0.000	15	196	0.077
Zinc, total	4	40	0.100	93	230	0.404

N = Total number of measurements in all wells.

Detect = Total number of detections in all wells.

Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Antimony, total	0	40	0.000									nonpar
Arsenic, total	0	40	0.000									nonpar
Barium, total	40	40	1.000	0.747	0.655					2.326	normal	normal
Beryllium, total	0	40	0.000									nonpar
Cadmium, total	2	40	0.050									nonpar
Chromium, total	1	40	0.025									nonpar
Cobalt, total	7	40	0.175	0.248	0.787					2.326	normal	nonpar
Copper, total	2	40	0.050									nonpar
Lead, total	0	40	0.000									nonpar
Nickel, total	14	39	0.359	3.548	2.966					2.326	non-norm	nonpar
Selenium, total	2	40	0.050									nonpar
Silver, total	0	40	0.000									nonpar
Thallium, total	0	40	0.000									nonpar
Vanadium, total	0	40	0.000									nonpar
Zinc, total	4	40	0.100	1.265	1.095					2.326	normal	nonpar

* - Distribution override for that constituent.

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

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

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, total	ug/L	0	40	127.0800	33.3476	0.0100	2.4559	2.0000	nonpar	***	0.99
Arsenic, total	ug/L	0	40					4.0000	nonpar	***	0.99
Barium, total	ug/L	40	40					208.9771	normal		
Beryllium, total	ug/L	0	40					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	2	40					2.1000	nonpar		0.99
Chromium, total	ug/L	1	40					8.7000	nonpar		0.99
Cobalt, total	ug/L	7	40					2.2000	nonpar		0.99
Copper, total	ug/L	2	40					5.3000	nonpar		0.99
Lead, total	ug/L	0	40					4.0000	nonpar	***	0.99
Nickel, total	ug/L	14	39					10.5000	nonpar		0.99
Selenium, total	ug/L	2	40					5.2000	nonpar		0.99
Silver, total	ug/L	0	40					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	40					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	0	40					20.0000	nonpar	***	0.99
Zinc, total	ug/L	4	40					20.0000	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
Nickel, total	ug/L	MW-11	03/06/2017	17.4000		04/21/2015-03/17/2025	20	0.5381

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
Zinc, total	ug/L	MW-21	03/20/2009		763.0000	*	20.0000
Zinc, total	ug/L	MW-21	06/15/2009		147.0000	*	20.0000
Zinc, total	ug/L	MW-21	07/13/2009		389.0000	*	20.0000
Zinc, total	ug/L	MW-21	09/02/2009		216.0000	*	20.0000
Zinc, total	ug/L	MW-21	03/24/2010		2700.0000	*	20.0000
Zinc, total	ug/L	MW-21	06/10/2010		268.0000	*	20.0000
Zinc, total	ug/L	MW-21	09/16/2010		704.0000	*	20.0000
Zinc, total	ug/L	MW-21	10/20/2010		114.0000	*	20.0000
Zinc, total	ug/L	MW-21	09/12/2011		31.9000	*	20.0000
Zinc, total	ug/L	MW-21	03/15/2012		110.0000	*	20.0000
Zinc, total	ug/L	MW-21	09/04/2012		77.8000	*	20.0000
Zinc, total	ug/L	MW-21	09/11/2013		173.0000	*	20.0000
Zinc, total	ug/L	MW-21	04/11/2014		56.5000	*	20.0000
Zinc, total	ug/L	MW-21	09/22/2014		22.3000	*	20.0000
Zinc, total	ug/L	MW-21	04/21/2015		35.3000	*	20.0000
Zinc, total	ug/L	MW-21	09/08/2015		34.3000	*	20.0000
Zinc, total	ug/L	MW-21	02/25/2016		68.0000	*	20.0000
Zinc, total	ug/L	MW-21	09/06/2016		39.8000	*	20.0000
Zinc, total	ug/L	MW-21	03/06/2017		36.4000	*	20.0000
Zinc, total	ug/L	MW-21	09/05/2017		29.6000	*	20.0000
Zinc, total	ug/L	MW-21	03/02/2018		1460.0000	*	20.0000
Zinc, total	ug/L	MW-21	04/10/2018		31.8000	*	20.0000
Zinc, total	ug/L	MW-21	03/27/2019		38.4000	*	20.0000
Zinc, total	ug/L	MW-21	09/26/2023		35.7000	*	20.0000
Zinc, total	ug/L	MW-21	03/01/2024		20.9000	*	20.0000
Zinc, total	ug/L	MW-21	09/11/2024		526.0000	*	20.0000
Zinc, total	ug/L	MW-21	03/17/2025		54.5000	*	20.0000
Nickel, total	ug/L	MW-23	03/20/2009		33.1000	*	10.5000
Nickel, total	ug/L	MW-23	06/15/2009		47.3000	*	10.5000
Nickel, total	ug/L	MW-23	07/13/2009		20.7000	*	10.5000
Nickel, total	ug/L	MW-23	09/02/2009		87.5000	*	10.5000
Nickel, total	ug/L	MW-23	03/24/2010		25.9000	*	10.5000
Nickel, total	ug/L	MW-23	06/10/2010		89.3000	*	10.5000
Nickel, total	ug/L	MW-23	09/16/2010		69.2000	*	10.5000
Nickel, total	ug/L	MW-23	10/20/2010		75.5000	*	10.5000
Nickel, total	ug/L	MW-23	03/14/2011		37.5000	*	10.5000
Nickel, total	ug/L	MW-23	09/12/2011		64.6000	*	10.5000
Nickel, total	ug/L	MW-23	03/15/2012		38.2000	*	10.5000
Nickel, total	ug/L	MW-23	09/04/2012		21.4000	*	10.5000
Nickel, total	ug/L	MW-23	04/03/2013		12.8000	*	10.5000
Nickel, total	ug/L	MW-23	09/11/2013		10.8000	*	10.5000
Nickel, total	ug/L	MW-23	04/11/2014		18.7000	*	10.5000
Nickel, total	ug/L	MW-23	09/22/2014		5.4000		10.5000
Nickel, total	ug/L	MW-23	04/21/2015		7.8000		10.5000
Nickel, total	ug/L	MW-23	09/08/2015		5.9000		10.5000
Nickel, total	ug/L	MW-23	02/25/2016	ND	4.0000		10.5000
Nickel, total	ug/L	MW-23	09/06/2016		5.2000		10.5000
Nickel, total	ug/L	MW-23	03/06/2017	ND	4.0000		10.5000
Nickel, total	ug/L	MW-23	09/05/2017		5.9000		10.5000
Nickel, total	ug/L	MW-23	03/02/2018		5.3000		10.5000
Nickel, total	ug/L	MW-23	09/04/2018	ND	4.0000		10.5000
Nickel, total	ug/L	MW-23	03/27/2019	ND	4.0000		10.5000
Nickel, total	ug/L	MW-23	09/07/2019	ND	4.0000		10.5000
Nickel, total	ug/L	MW-23	03/30/2020	ND	4.0000		10.5000
Nickel, total	ug/L	MW-23	09/01/2020	ND	4.0000		10.5000
Nickel, total	ug/L	MW-23	03/03/2021	ND	4.0000		10.5000
Nickel, total	ug/L	MW-23	09/10/2021	ND	4.0000		10.5000
Nickel, total	ug/L	MW-23	03/04/2022	ND	4.0000		10.5000
Nickel, total	ug/L	MW-23	09/02/2022		17.4000	*	10.5000
Nickel, total	ug/L	MW-23	03/21/2023		5.0000		10.5000
Nickel, total	ug/L	MW-23	09/26/2023		32.8000	*	10.5000
Nickel, total	ug/L	MW-23	03/01/2024		32.4000	*	10.5000
Nickel, total	ug/L	MW-23	09/11/2024		28.9000	*	10.5000
Nickel, total	ug/L	MW-23	03/17/2025		15.6000	*	10.5000
Arsenic, total	ug/L	MW-24	10/12/2016	ND	4.0000		4.0000
Arsenic, total	ug/L	MW-24	03/06/2017		14.8000	*	4.0000
Arsenic, total	ug/L	MW-24	06/15/2017		4.0000	**	4.0000
Arsenic, total	ug/L	MW-24	09/05/2017	ND	4.0000		4.0000
Arsenic, total	ug/L	MW-24	03/02/2018		51.6000	*	4.0000
Arsenic, total	ug/L	MW-24	09/04/2018		4.3000	*	4.0000
Arsenic, total	ug/L	MW-24	03/27/2019		21.4000	*	4.0000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result	Pred. Limit
Arsenic, total	ug/L	MW-24	09/07/2019		9.2000 *	4.0000
Arsenic, total	ug/L	MW-24	03/30/2020		7.9000 *	4.0000
Arsenic, total	ug/L	MW-24	09/01/2020		5.5000 *	4.0000
Arsenic, total	ug/L	MW-24	03/03/2021		60.6000 *	4.0000
Arsenic, total	ug/L	MW-24	09/10/2021	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-24	03/04/2022		74.7000 *	4.0000
Arsenic, total	ug/L	MW-24	09/02/2022		7.0000 *	4.0000
Arsenic, total	ug/L	MW-24	03/21/2023		25.8000 *	4.0000
Arsenic, total	ug/L	MW-24	09/26/2023	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-24	03/01/2024		40.3000 *	4.0000
Arsenic, total	ug/L	MW-24	09/11/2024		21.2000 *	4.0000
Arsenic, total	ug/L	MW-24	03/17/2025		84.7000 *	4.0000
Barium, total	ug/L	MW-24	10/12/2016		469.0000 *	208.9771
Barium, total	ug/L	MW-24	03/06/2017		1280.0000 *	208.9771
Barium, total	ug/L	MW-24	06/15/2017		731.0000 *	208.9771
Barium, total	ug/L	MW-24	09/05/2017		624.0000 *	208.9771
Barium, total	ug/L	MW-24	03/02/2018		1560.0000 *	208.9771
Barium, total	ug/L	MW-24	09/04/2018		768.0000 *	208.9771
Barium, total	ug/L	MW-24	03/27/2019		1020.0000 *	208.9771
Barium, total	ug/L	MW-24	09/07/2019		745.0000 *	208.9771
Barium, total	ug/L	MW-24	03/30/2020		971.0000 *	208.9771
Barium, total	ug/L	MW-24	09/01/2020		893.0000 *	208.9771
Barium, total	ug/L	MW-24	03/03/2021		1510.0000 *	208.9771
Barium, total	ug/L	MW-24	09/10/2021		645.0000 *	208.9771
Barium, total	ug/L	MW-24	03/04/2022		1880.0000 *	208.9771
Barium, total	ug/L	MW-24	09/02/2022		640.0000 *	208.9771
Barium, total	ug/L	MW-24	03/21/2023		1020.0000 *	208.9771
Barium, total	ug/L	MW-24	09/26/2023		711.0000 *	208.9771
Barium, total	ug/L	MW-24	03/01/2024		1480.0000 *	208.9771
Barium, total	ug/L	MW-24	09/11/2024		1030.0000 *	208.9771
Barium, total	ug/L	MW-24	03/17/2025		1790.0000 *	208.9771
Barium, total	ug/L	MW-25	10/12/2016		175.0000	208.9771
Barium, total	ug/L	MW-25	03/06/2017		220.0000 *	208.9771
Barium, total	ug/L	MW-25	09/05/2017		156.0000	208.9771
Barium, total	ug/L	MW-25	03/02/2018		170.0000	208.9771
Barium, total	ug/L	MW-25	09/04/2018		180.0000	208.9771
Barium, total	ug/L	MW-25	03/27/2019		218.0000 *	208.9771
Barium, total	ug/L	MW-25	09/07/2019		205.0000	208.9771
Barium, total	ug/L	MW-25	03/30/2020		325.0000 *	208.9771
Barium, total	ug/L	MW-25	06/02/2020		232.0000 *	208.9771
Barium, total	ug/L	MW-25	09/01/2020		244.0000 *	208.9771
Barium, total	ug/L	MW-25	03/03/2021		279.0000 *	208.9771
Barium, total	ug/L	MW-25	09/10/2021		263.0000 *	208.9771
Barium, total	ug/L	MW-25	03/04/2022		294.0000 *	208.9771
Barium, total	ug/L	MW-25	09/02/2022		264.0000 *	208.9771
Barium, total	ug/L	MW-25	03/21/2023		279.0000 *	208.9771
Barium, total	ug/L	MW-25	09/26/2023		252.0000 *	208.9771
Barium, total	ug/L	MW-25	03/01/2024		306.0000 *	208.9771
Barium, total	ug/L	MW-25	09/11/2024		320.0000 *	208.9771
Barium, total	ug/L	MW-25	03/17/2025		301.0000 *	208.9771
Barium, total	ug/L	MW-5	03/20/2009		542.0000 *	208.9771
Barium, total	ug/L	MW-5	06/15/2009		582.0000 *	208.9771
Barium, total	ug/L	MW-5	07/13/2009		511.0000 *	208.9771
Barium, total	ug/L	MW-5	09/02/2009		530.0000 *	208.9771
Barium, total	ug/L	MW-5	03/24/2010		528.0000 *	208.9771
Barium, total	ug/L	MW-5	06/10/2010		671.0000 *	208.9771
Barium, total	ug/L	MW-5	09/16/2010		598.0000 *	208.9771
Barium, total	ug/L	MW-5	10/20/2010		583.0000 *	208.9771
Barium, total	ug/L	MW-5	03/14/2011		538.0000 *	208.9771
Barium, total	ug/L	MW-5	09/12/2011		688.0000 *	208.9771
Barium, total	ug/L	MW-5	03/15/2012		520.0000 *	208.9771
Barium, total	ug/L	MW-5	09/04/2012		686.0000 *	208.9771
Barium, total	ug/L	MW-5	04/03/2013		562.0000 *	208.9771
Barium, total	ug/L	MW-5	09/11/2013		844.0000 *	208.9771
Barium, total	ug/L	MW-5	04/11/2014		680.0000 *	208.9771
Barium, total	ug/L	MW-5	09/22/2014		816.0000 *	208.9771
Barium, total	ug/L	MW-5	04/21/2015		494.0000 *	208.9771
Barium, total	ug/L	MW-5	09/08/2015		568.0000 *	208.9771
Barium, total	ug/L	MW-5	02/25/2016		409.0000 *	208.9771
Barium, total	ug/L	MW-5	09/06/2016		567.0000 *	208.9771
Barium, total	ug/L	MW-5	03/06/2017		429.0000 *	208.9771

* - 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
Barium, total	ug/L	MW-5	09/05/2017		444.0000	*	208.9771
Barium, total	ug/L	MW-5	03/02/2018		397.0000	*	208.9771
Barium, total	ug/L	MW-5	09/04/2018		353.0000	*	208.9771
Barium, total	ug/L	MW-5	03/27/2019		416.0000	*	208.9771
Barium, total	ug/L	MW-5	09/07/2019		503.0000	*	208.9771
Barium, total	ug/L	MW-5	03/30/2020		440.0000	*	208.9771
Barium, total	ug/L	MW-5	09/01/2020		455.0000	*	208.9771
Barium, total	ug/L	MW-5	03/03/2021		410.0000	*	208.9771
Barium, total	ug/L	MW-5	09/10/2021		335.0000	*	208.9771
Barium, total	ug/L	MW-5	03/04/2022		375.0000	*	208.9771
Barium, total	ug/L	MW-5	09/02/2022		442.0000	*	208.9771
Barium, total	ug/L	MW-5	03/21/2023		391.0000	*	208.9771
Barium, total	ug/L	MW-5	03/01/2024		549.0000	*	208.9771
Barium, total	ug/L	MW-5	09/11/2024		381.0000	*	208.9771
Barium, total	ug/L	MW-5	03/17/2025		317.0000	*	208.9771
Nickel, total	ug/L	MW-5	03/20/2009		64.2000	*	10.5000
Nickel, total	ug/L	MW-5	06/15/2009		55.4000	*	10.5000
Nickel, total	ug/L	MW-5	07/13/2009		56.2000	*	10.5000
Nickel, total	ug/L	MW-5	09/02/2009		81.0000	*	10.5000
Nickel, total	ug/L	MW-5	03/24/2010		31.1000	*	10.5000
Nickel, total	ug/L	MW-5	06/10/2010		34.5000	*	10.5000
Nickel, total	ug/L	MW-5	09/16/2010		35.4000	*	10.5000
Nickel, total	ug/L	MW-5	10/20/2010		32.4000	*	10.5000
Nickel, total	ug/L	MW-5	03/14/2011		31.0000	*	10.5000
Nickel, total	ug/L	MW-5	09/12/2011		37.4000	*	10.5000
Nickel, total	ug/L	MW-5	03/15/2012		32.6000	*	10.5000
Nickel, total	ug/L	MW-5	09/04/2012		19.9000	*	10.5000
Nickel, total	ug/L	MW-5	04/03/2013		23.3000	*	10.5000
Nickel, total	ug/L	MW-5	09/11/2013		83.7000	*	10.5000
Nickel, total	ug/L	MW-5	04/11/2014		38.4000	*	10.5000
Nickel, total	ug/L	MW-5	09/22/2014		52.4000	*	10.5000
Nickel, total	ug/L	MW-5	04/21/2015		32.2000	*	10.5000
Nickel, total	ug/L	MW-5	09/08/2015		38.5000	*	10.5000
Nickel, total	ug/L	MW-5	02/25/2016		13.9000	*	10.5000
Nickel, total	ug/L	MW-5	09/06/2016		20.0000	*	10.5000
Nickel, total	ug/L	MW-5	03/06/2017		28.0000	*	10.5000
Nickel, total	ug/L	MW-5	09/05/2017		15.7000	*	10.5000
Nickel, total	ug/L	MW-5	03/02/2018		11.2000	*	10.5000
Nickel, total	ug/L	MW-5	09/04/2018		9.2000	*	10.5000
Nickel, total	ug/L	MW-5	03/27/2019		13.1000	*	10.5000
Nickel, total	ug/L	MW-5	09/07/2019		20.2000	*	10.5000
Nickel, total	ug/L	MW-5	03/30/2020		13.2000	*	10.5000
Nickel, total	ug/L	MW-5	09/01/2020		16.5000	*	10.5000
Nickel, total	ug/L	MW-5	03/03/2021		10.7000	*	10.5000
Nickel, total	ug/L	MW-5	09/10/2021		9.5000	*	10.5000
Nickel, total	ug/L	MW-5	03/04/2022		10.6000	*	10.5000
Nickel, total	ug/L	MW-5	09/02/2022		21.0000	*	10.5000
Nickel, total	ug/L	MW-5	03/21/2023		12.1000	*	10.5000
Nickel, total	ug/L	MW-5	03/01/2024		29.9000	*	10.5000
Nickel, total	ug/L	MW-5	09/11/2024		14.0000	*	10.5000
Nickel, total	ug/L	MW-5	03/17/2025		10.6000	*	10.5000
Barium, total	ug/L	MW-6	03/14/2011		246.0000	*	208.9771
Barium, total	ug/L	MW-6	03/15/2012		232.0000	*	208.9771
Barium, total	ug/L	MW-6	09/04/2012		217.0000	*	208.9771
Barium, total	ug/L	MW-6	04/03/2013		243.0000	*	208.9771
Barium, total	ug/L	MW-6	09/11/2013		217.0000	*	208.9771
Barium, total	ug/L	MW-6	04/11/2014		272.0000	*	208.9771
Barium, total	ug/L	MW-6	09/22/2014		218.0000	*	208.9771
Barium, total	ug/L	MW-6	04/21/2015		208.0000	*	208.9771
Barium, total	ug/L	MW-6	09/08/2015		233.0000	*	208.9771
Barium, total	ug/L	MW-6	02/25/2016		211.0000	*	208.9771
Barium, total	ug/L	MW-6	09/06/2016		252.0000	*	208.9771
Barium, total	ug/L	MW-6	03/06/2017		224.0000	*	208.9771
Barium, total	ug/L	MW-6	09/05/2017		230.0000	*	208.9771
Barium, total	ug/L	MW-6	03/02/2018		214.0000	*	208.9771
Barium, total	ug/L	MW-6	09/04/2018		221.0000	*	208.9771
Barium, total	ug/L	MW-6	03/27/2019		221.0000	*	208.9771
Barium, total	ug/L	MW-6	09/07/2019		217.0000	*	208.9771
Barium, total	ug/L	MW-6	03/30/2020		267.0000	*	208.9771
Barium, total	ug/L	MW-6	09/01/2020		224.0000	*	208.9771
Barium, total	ug/L	MW-6	03/03/2021		256.0000	*	208.9771

* - 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
Barium, total	ug/L	MW-6	09/10/2021		193.0000	208.9771
Barium, total	ug/L	MW-6	03/04/2022		237.0000 *	208.9771
Barium, total	ug/L	MW-6	09/02/2022		255.0000 *	208.9771
Barium, total	ug/L	MW-6	03/21/2023		254.0000 *	208.9771
Barium, total	ug/L	MW-6	09/26/2023		246.0000 *	208.9771
Barium, total	ug/L	MW-6	03/01/2024		234.0000 *	208.9771
Barium, total	ug/L	MW-6	09/11/2024		214.0000 *	208.9771
Barium, total	ug/L	MW-6	03/17/2025		211.0000 *	208.9771
Arsenic, total	ug/L	MW-7	03/14/2011		16.5000 *	4.0000
Arsenic, total	ug/L	MW-7	03/15/2012		10.8000 *	4.0000
Arsenic, total	ug/L	MW-7	09/04/2012	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	04/03/2013	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	09/11/2013		5.9000 *	4.0000
Arsenic, total	ug/L	MW-7	04/11/2014		4.7000 *	4.0000
Arsenic, total	ug/L	MW-7	09/22/2014	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	04/21/2015	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	09/08/2015	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	02/25/2016	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	09/06/2016	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	03/06/2017	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	09/05/2017	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	03/02/2018	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	09/04/2018	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	03/27/2019	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	09/07/2019	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	03/30/2020	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	09/01/2020	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	03/03/2021	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	09/10/2021	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	03/04/2022	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	09/02/2022	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	03/21/2023	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	09/26/2023	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	03/01/2024	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-7	09/11/2024		14.0000 *	4.0000
Arsenic, total	ug/L	MW-7	03/17/2025	ND	4.0000	4.0000
Barium, total	ug/L	MW-7	03/14/2011		658.0000 *	208.9771
Barium, total	ug/L	MW-7	03/15/2012		596.0000 *	208.9771
Barium, total	ug/L	MW-7	09/04/2012		419.0000 *	208.9771
Barium, total	ug/L	MW-7	04/03/2013		345.0000 *	208.9771
Barium, total	ug/L	MW-7	09/11/2013		377.0000 *	208.9771
Barium, total	ug/L	MW-7	04/11/2014		403.0000 *	208.9771
Barium, total	ug/L	MW-7	09/22/2014		404.0000 *	208.9771
Barium, total	ug/L	MW-7	04/21/2015		342.0000 *	208.9771
Barium, total	ug/L	MW-7	09/08/2015		304.0000 *	208.9771
Barium, total	ug/L	MW-7	02/25/2016		282.0000 *	208.9771
Barium, total	ug/L	MW-7	09/06/2016		291.0000 *	208.9771
Barium, total	ug/L	MW-7	03/06/2017		325.0000 *	208.9771
Barium, total	ug/L	MW-7	09/05/2017		379.0000 *	208.9771
Barium, total	ug/L	MW-7	12/05/2017		355.0000 *	208.9771
Barium, total	ug/L	MW-7	03/02/2018		362.0000 *	208.9771
Barium, total	ug/L	MW-7	09/04/2018		298.0000 *	208.9771
Barium, total	ug/L	MW-7	03/27/2019		297.0000 *	208.9771
Barium, total	ug/L	MW-7	09/07/2019		334.0000 *	208.9771
Barium, total	ug/L	MW-7	03/30/2020		311.0000 *	208.9771
Barium, total	ug/L	MW-7	09/01/2020		315.0000 *	208.9771
Barium, total	ug/L	MW-7	03/03/2021		325.0000 *	208.9771
Barium, total	ug/L	MW-7	09/10/2021		281.0000 *	208.9771
Barium, total	ug/L	MW-7	03/04/2022		317.0000 *	208.9771
Barium, total	ug/L	MW-7	09/02/2022		284.0000 *	208.9771
Barium, total	ug/L	MW-7	03/21/2023		342.0000 *	208.9771
Barium, total	ug/L	MW-7	09/26/2023		282.0000 *	208.9771
Barium, total	ug/L	MW-7	03/01/2024		273.0000 *	208.9771
Barium, total	ug/L	MW-7	09/11/2024		1020.0000 *	208.9771
Barium, total	ug/L	MW-7	03/17/2025		382.0000 *	208.9771
Cobalt, total	ug/L	MW-7	03/14/2011		53.5000 *	2.2000
Cobalt, total	ug/L	MW-7	03/15/2012		30.4000 *	2.2000
Cobalt, total	ug/L	MW-7	09/04/2012		7.6000 *	2.2000
Cobalt, total	ug/L	MW-7	04/03/2013		5.9000 *	2.2000
Cobalt, total	ug/L	MW-7	09/11/2013		9.3000 *	2.2000
Cobalt, total	ug/L	MW-7	04/11/2014		11.5000 *	2.2000

* - 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
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Constituent	Units	Well	Date		Result		Pred. Limit
Cobalt, total	ug/L	MW-7	09/22/2014		2.8000	*	2.2000
Cobalt, total	ug/L	MW-7	04/21/2015		0.8000		2.2000
Cobalt, total	ug/L	MW-7	09/08/2015	ND	0.8000		2.2000
Cobalt, total	ug/L	MW-7	02/25/2016	ND	0.8000		2.2000
Cobalt, total	ug/L	MW-7	09/06/2016	ND	0.8000		2.2000
Cobalt, total	ug/L	MW-7	03/06/2017		1.4000		2.2000
Cobalt, total	ug/L	MW-7	09/05/2017		6.0000	*	2.2000
Cobalt, total	ug/L	MW-7	12/05/2017		2.9000	*	2.2000
Cobalt, total	ug/L	MW-7	03/02/2018		4.5000	*	2.2000
Cobalt, total	ug/L	MW-7	04/10/2018		4.0000	*	2.2000
Cobalt, total	ug/L	MW-7	09/04/2018	ND	0.8000		2.2000
Cobalt, total	ug/L	MW-7	03/27/2019	ND	0.8000		2.2000
Cobalt, total	ug/L	MW-7	09/07/2019	ND	0.8000		2.2000
Cobalt, total	ug/L	MW-7	03/30/2020	ND	0.8000		2.2000
Cobalt, total	ug/L	MW-7	09/01/2020		0.6000		2.2000
Cobalt, total	ug/L	MW-7	03/03/2021	ND	0.4000		2.2000
Cobalt, total	ug/L	MW-7	09/10/2021	ND	0.4000		2.2000
Cobalt, total	ug/L	MW-7	03/04/2022		0.8000		2.2000
Cobalt, total	ug/L	MW-7	09/02/2022	ND	0.4000		2.2000
Cobalt, total	ug/L	MW-7	03/21/2023		3.6000	*	2.2000
Cobalt, total	ug/L	MW-7	09/26/2023	ND	0.4000		2.2000
Cobalt, total	ug/L	MW-7	03/01/2024		1.5000		2.2000
Cobalt, total	ug/L	MW-7	09/11/2024		11.9000	*	2.2000
Cobalt, total	ug/L	MW-7	03/17/2025		4.3000	*	2.2000
Copper, total	ug/L	MW-7	03/14/2011		60.0000	*	5.3000
Copper, total	ug/L	MW-7	03/15/2012		53.3000	*	5.3000
Copper, total	ug/L	MW-7	09/04/2012		11.7000	*	5.3000
Copper, total	ug/L	MW-7	04/03/2013		9.8000	*	5.3000
Copper, total	ug/L	MW-7	09/11/2013		21.4000	*	5.3000
Copper, total	ug/L	MW-7	04/11/2014		16.8000	*	5.3000
Copper, total	ug/L	MW-7	09/22/2014	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	04/21/2015	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	09/08/2015	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	02/25/2016	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	09/06/2016	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	03/06/2017		5.8000	*	5.3000
Copper, total	ug/L	MW-7	09/05/2017	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	03/02/2018	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	09/04/2018	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	03/27/2019	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	09/07/2019	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	03/30/2020	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	09/01/2020	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	03/03/2021	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	09/10/2021	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	03/04/2022	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	09/02/2022	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	03/21/2023		6.0000	*	5.3000
Copper, total	ug/L	MW-7	09/26/2023	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	03/01/2024	ND	4.0000		5.3000
Copper, total	ug/L	MW-7	09/11/2024		11.2000	*	5.3000
Copper, total	ug/L	MW-7	03/17/2025	ND	4.0000		5.3000
Nickel, total	ug/L	MW-7	03/14/2011		75.5000	*	10.5000
Nickel, total	ug/L	MW-7	03/15/2012		69.6000	*	10.5000
Nickel, total	ug/L	MW-7	09/04/2012		13.5000	*	10.5000
Nickel, total	ug/L	MW-7	04/03/2013		15.4000	*	10.5000
Nickel, total	ug/L	MW-7	09/11/2013		21.5000	*	10.5000
Nickel, total	ug/L	MW-7	04/11/2014		23.8000	*	10.5000
Nickel, total	ug/L	MW-7	09/22/2014		4.9000		10.5000
Nickel, total	ug/L	MW-7	04/21/2015	ND	4.0000		10.5000
Nickel, total	ug/L	MW-7	09/08/2015	ND	4.0000		10.5000
Nickel, total	ug/L	MW-7	02/25/2016	ND	4.0000		10.5000
Nickel, total	ug/L	MW-7	09/06/2016	ND	4.0000		10.5000
Nickel, total	ug/L	MW-7	03/06/2017		31.5000	*	10.5000
Nickel, total	ug/L	MW-7	09/05/2017		8.2000		10.5000
Nickel, total	ug/L	MW-7	03/02/2018		6.9000		10.5000
Nickel, total	ug/L	MW-7	09/04/2018	ND	4.0000		10.5000
Nickel, total	ug/L	MW-7	03/27/2019	ND	4.0000		10.5000
Nickel, total	ug/L	MW-7	09/07/2019	ND	4.0000		10.5000
Nickel, total	ug/L	MW-7	03/30/2020	ND	4.0000		10.5000
Nickel, total	ug/L	MW-7	09/01/2020	ND	4.0000		10.5000

* - 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
Nickel, total	ug/L	MW-7	03/03/2021	ND	4.0000		10.5000
Nickel, total	ug/L	MW-7	09/10/2021	ND	4.0000		10.5000
Nickel, total	ug/L	MW-7	03/04/2022		5.1000		10.5000
Nickel, total	ug/L	MW-7	09/02/2022	ND	4.0000		10.5000
Nickel, total	ug/L	MW-7	03/21/2023		11.4000	*	10.5000
Nickel, total	ug/L	MW-7	09/26/2023	ND	4.0000		10.5000
Nickel, total	ug/L	MW-7	03/01/2024		6.2000		10.5000
Nickel, total	ug/L	MW-7	09/11/2024		161.0000	*	10.5000
Nickel, total	ug/L	MW-7	03/17/2025		7.6000		10.5000
Zinc, total	ug/L	MW-7	03/14/2011		133.0000	*	20.0000
Zinc, total	ug/L	MW-7	03/15/2012		108.0000	*	20.0000
Zinc, total	ug/L	MW-7	09/04/2012		22.2000	*	20.0000
Zinc, total	ug/L	MW-7	04/03/2013		17.0000		20.0000
Zinc, total	ug/L	MW-7	09/11/2013		417.0000	*	20.0000
Zinc, total	ug/L	MW-7	04/11/2014		33.6000	*	20.0000
Zinc, total	ug/L	MW-7	09/22/2014	ND	8.0000		20.0000
Zinc, total	ug/L	MW-7	04/21/2015	ND	8.0000		20.0000
Zinc, total	ug/L	MW-7	09/08/2015	ND	8.0000		20.0000
Zinc, total	ug/L	MW-7	02/25/2016	ND	8.0000		20.0000
Zinc, total	ug/L	MW-7	09/06/2016	ND	8.0000		20.0000
Zinc, total	ug/L	MW-7	03/06/2017		14.9000		20.0000
Zinc, total	ug/L	MW-7	09/05/2017		11.2000		20.0000
Zinc, total	ug/L	MW-7	03/02/2018	ND	8.0000		20.0000
Zinc, total	ug/L	MW-7	09/04/2018	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	03/27/2019	ND	8.0000		20.0000
Zinc, total	ug/L	MW-7	09/07/2019	ND	8.0000		20.0000
Zinc, total	ug/L	MW-7	03/30/2020	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	09/01/2020	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	03/03/2021	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	09/10/2021	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	03/04/2022	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	09/02/2022	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	03/21/2023	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	09/26/2023	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	03/01/2024	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	09/11/2024		27.8000	*	20.0000
Zinc, total	ug/L	MW-7	03/17/2025		26.4000	*	20.0000
Arsenic, total	ug/L	MW-8	09/04/2012		4.0000	**	4.0000
Arsenic, total	ug/L	MW-8	04/03/2013	ND	4.0000		4.0000
Arsenic, total	ug/L	MW-8	09/11/2013		7.4000	*	4.0000
Arsenic, total	ug/L	MW-8	04/11/2014		6.4000	*	4.0000
Arsenic, total	ug/L	MW-8	09/22/2014		4.3000	*	4.0000
Arsenic, total	ug/L	MW-8	04/21/2015		4.0000	**	4.0000
Arsenic, total	ug/L	MW-8	09/08/2015		4.2000	*	4.0000
Arsenic, total	ug/L	MW-8	02/25/2016	ND	4.0000		4.0000
Arsenic, total	ug/L	MW-8	09/06/2016		5.3000	*	4.0000
Arsenic, total	ug/L	MW-8	03/06/2017	ND	4.0000		4.0000
Arsenic, total	ug/L	MW-8	09/05/2017	ND	4.0000		4.0000
Arsenic, total	ug/L	MW-8	03/02/2018		6.3000	*	4.0000
Arsenic, total	ug/L	MW-8	09/04/2018	ND	4.0000		4.0000
Arsenic, total	ug/L	MW-8	03/27/2019	ND	4.0000		4.0000
Arsenic, total	ug/L	MW-8	09/07/2019		4.5000	*	4.0000
Arsenic, total	ug/L	MW-8	03/30/2020	ND	4.0000		4.0000
Arsenic, total	ug/L	MW-8	09/01/2020		9.4000	*	4.0000
Arsenic, total	ug/L	MW-8	03/03/2021		7.2000	*	4.0000
Arsenic, total	ug/L	MW-8	09/10/2021		14.2000	*	4.0000
Arsenic, total	ug/L	MW-8	03/04/2022		15.4000	*	4.0000
Arsenic, total	ug/L	MW-8	09/02/2022		15.6000	*	4.0000
Arsenic, total	ug/L	MW-8	03/21/2023		14.6000	*	4.0000
Arsenic, total	ug/L	MW-8	03/01/2024		15.4000	*	4.0000
Arsenic, total	ug/L	MW-8	06/13/2024		27.4500	*	4.0000
Arsenic, total	ug/L	MW-8	09/11/2024	ND	4.0000		4.0000
Arsenic, total	ug/L	MW-8	03/17/2025		16.0000	*	4.0000
Barium, total	ug/L	MW-8	03/20/2009		442.0000	*	208.9771
Barium, total	ug/L	MW-8	06/15/2009		510.0000	*	208.9771
Barium, total	ug/L	MW-8	07/13/2009		440.0000	*	208.9771
Barium, total	ug/L	MW-8	09/02/2009		379.0000	*	208.9771
Barium, total	ug/L	MW-8	03/24/2010		417.0000	*	208.9771
Barium, total	ug/L	MW-8	06/10/2010		482.0000	*	208.9771
Barium, total	ug/L	MW-8	09/16/2010		434.0000	*	208.9771
Barium, total	ug/L	MW-8	10/20/2010		413.0000	*	208.9771

* - 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
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Constituent	Units	Well	Date		Result		Pred. Limit
Barium, total	ug/L	MW-8	03/14/2011		421.0000 *		208.9771
Barium, total	ug/L	MW-8	09/12/2011		534.0000 *		208.9771
Barium, total	ug/L	MW-8	03/15/2012		508.0000 *		208.9771
Barium, total	ug/L	MW-8	09/04/2012		585.0000 *		208.9771
Barium, total	ug/L	MW-8	04/03/2013		773.0000 *		208.9771
Barium, total	ug/L	MW-8	09/11/2013		768.0000 *		208.9771
Barium, total	ug/L	MW-8	04/11/2014		928.0000 *		208.9771
Barium, total	ug/L	MW-8	09/22/2014		878.0000 *		208.9771
Barium, total	ug/L	MW-8	04/21/2015		1030.0000 *		208.9771
Barium, total	ug/L	MW-8	09/08/2015		1060.0000 *		208.9771
Barium, total	ug/L	MW-8	02/25/2016		443.0000 *		208.9771
Barium, total	ug/L	MW-8	09/06/2016		1490.0000 *		208.9771
Barium, total	ug/L	MW-8	03/06/2017		1010.0000 *		208.9771
Barium, total	ug/L	MW-8	09/05/2017		911.0000 *		208.9771
Barium, total	ug/L	MW-8	03/02/2018		1110.0000 *		208.9771
Barium, total	ug/L	MW-8	09/04/2018		376.0000 *		208.9771
Barium, total	ug/L	MW-8	03/27/2019		266.0000 *		208.9771
Barium, total	ug/L	MW-8	09/07/2019		669.0000 *		208.9771
Barium, total	ug/L	MW-8	03/30/2020		291.0000 *		208.9771
Barium, total	ug/L	MW-8	09/01/2020		1040.0000 *		208.9771
Barium, total	ug/L	MW-8	03/03/2021		1390.0000 *		208.9771
Barium, total	ug/L	MW-8	09/10/2021		1170.0000 *		208.9771
Barium, total	ug/L	MW-8	03/04/2022		1300.0000 *		208.9771
Barium, total	ug/L	MW-8	09/02/2022		1090.0000 *		208.9771
Barium, total	ug/L	MW-8	03/21/2023		1180.0000 *		208.9771
Barium, total	ug/L	MW-8	03/01/2024		934.0000 *		208.9771
Barium, total	ug/L	MW-8	09/11/2024		332.0000 *		208.9771
Barium, total	ug/L	MW-8	03/17/2025		1020.0000 *		208.9771
Cobalt, total	ug/L	MW-8	09/04/2012		14.1000 *		2.2000
Cobalt, total	ug/L	MW-8	04/03/2013		12.7000 *		2.2000
Cobalt, total	ug/L	MW-8	09/11/2013		21.5000 *		2.2000
Cobalt, total	ug/L	MW-8	04/11/2014		20.4000 *		2.2000
Cobalt, total	ug/L	MW-8	09/22/2014		23.4000 *		2.2000
Cobalt, total	ug/L	MW-8	04/21/2015		17.7000 *		2.2000
Cobalt, total	ug/L	MW-8	09/08/2015		21.7000 *		2.2000
Cobalt, total	ug/L	MW-8	02/25/2016		2.7000 *		2.2000
Cobalt, total	ug/L	MW-8	09/06/2016		25.1000 *		2.2000
Cobalt, total	ug/L	MW-8	03/06/2017		15.3000 *		2.2000
Cobalt, total	ug/L	MW-8	09/05/2017		13.2000 *		2.2000
Cobalt, total	ug/L	MW-8	03/02/2018		15.0000 *		2.2000
Cobalt, total	ug/L	MW-8	09/04/2018		1.6000 *		2.2000
Cobalt, total	ug/L	MW-8	03/27/2019		1.8000 *		2.2000
Cobalt, total	ug/L	MW-8	09/07/2019		9.6000 *		2.2000
Cobalt, total	ug/L	MW-8	03/30/2020		3.6000 *		2.2000
Cobalt, total	ug/L	MW-8	09/01/2020		13.1000 *		2.2000
Cobalt, total	ug/L	MW-8	03/03/2021		22.1000 *		2.2000
Cobalt, total	ug/L	MW-8	09/10/2021		10.4000 *		2.2000
Cobalt, total	ug/L	MW-8	03/04/2022		11.7000 *		2.2000
Cobalt, total	ug/L	MW-8	09/02/2022		8.2000 *		2.2000
Cobalt, total	ug/L	MW-8	03/21/2023		11.3000 *		2.2000
Cobalt, total	ug/L	MW-8	03/01/2024		6.9000 *		2.2000
Cobalt, total	ug/L	MW-8	06/13/2024		11.7000 *		2.2000
Cobalt, total	ug/L	MW-8	09/11/2024		3.6000 *		2.2000
Cobalt, total	ug/L	MW-8	03/17/2025		9.2000 *		2.2000
Nickel, total	ug/L	MW-8	03/20/2009		24.2000 *		10.5000
Nickel, total	ug/L	MW-8	06/15/2009		19.8000 *		10.5000
Nickel, total	ug/L	MW-8	07/13/2009		17.8000 *		10.5000
Nickel, total	ug/L	MW-8	09/02/2009		17.0000 *		10.5000
Nickel, total	ug/L	MW-8	03/24/2010		21.9000 *		10.5000
Nickel, total	ug/L	MW-8	06/10/2010		27.3000 *		10.5000
Nickel, total	ug/L	MW-8	09/16/2010		29.7000 *		10.5000
Nickel, total	ug/L	MW-8	10/20/2010		21.0000 *		10.5000
Nickel, total	ug/L	MW-8	03/14/2011		25.8000 *		10.5000
Nickel, total	ug/L	MW-8	09/12/2011		40.3000 *		10.5000
Nickel, total	ug/L	MW-8	03/15/2012		37.0000 *		10.5000
Nickel, total	ug/L	MW-8	09/04/2012		21.4000 *		10.5000
Nickel, total	ug/L	MW-8	04/03/2013		23.3000 *		10.5000
Nickel, total	ug/L	MW-8	09/11/2013		32.1000 *		10.5000
Nickel, total	ug/L	MW-8	04/11/2014		22.5000 *		10.5000
Nickel, total	ug/L	MW-8	09/22/2014		24.1000 *		10.5000
Nickel, total	ug/L	MW-8	04/21/2015		20.8000 *		10.5000

* - 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
Nickel, total	ug/L	MW-8	09/08/2015		27.8000	*	10.5000
Nickel, total	ug/L	MW-8	02/25/2016		18.9000	*	10.5000
Nickel, total	ug/L	MW-8	09/06/2016		49.8000	*	10.5000
Nickel, total	ug/L	MW-8	03/06/2017		34.5000	*	10.5000
Nickel, total	ug/L	MW-8	09/05/2017		38.9000	*	10.5000
Nickel, total	ug/L	MW-8	03/02/2018		45.4000	*	10.5000
Nickel, total	ug/L	MW-8	09/04/2018		26.1000	*	10.5000
Nickel, total	ug/L	MW-8	03/27/2019		25.9000	*	10.5000
Nickel, total	ug/L	MW-8	09/07/2019		53.1000	*	10.5000
Nickel, total	ug/L	MW-8	03/30/2020		32.7000	*	10.5000
Nickel, total	ug/L	MW-8	09/01/2020		95.1000	*	10.5000
Nickel, total	ug/L	MW-8	03/03/2021		152.0000	*	10.5000
Nickel, total	ug/L	MW-8	09/10/2021		177.0000	*	10.5000
Nickel, total	ug/L	MW-8	03/04/2022		213.0000	*	10.5000
Nickel, total	ug/L	MW-8	09/02/2022		203.0000	*	10.5000
Nickel, total	ug/L	MW-8	03/21/2023		200.0000	*	10.5000
Nickel, total	ug/L	MW-8	03/01/2024		126.0000	*	10.5000
Nickel, total	ug/L	MW-8	06/13/2024		158.5000	*	10.5000
Nickel, total	ug/L	MW-8	09/11/2024		5.0000		10.5000
Nickel, total	ug/L	MW-8	03/17/2025		134.0000	*	10.5000
Zinc, total	ug/L	MW-8	03/20/2009		91.3000	*	20.0000
Zinc, total	ug/L	MW-8	06/15/2009		42.6000	*	20.0000
Zinc, total	ug/L	MW-8	07/13/2009		24.3000	*	20.0000
Zinc, total	ug/L	MW-8	09/02/2009	ND	10.0000		20.0000
Zinc, total	ug/L	MW-8	03/24/2010	ND	10.0000		20.0000
Zinc, total	ug/L	MW-8	06/10/2010		24.0000	*	20.0000
Zinc, total	ug/L	MW-8	09/16/2010	ND	10.0000		20.0000
Zinc, total	ug/L	MW-8	10/20/2010		33.5000	*	20.0000
Zinc, total	ug/L	MW-8	03/14/2011	ND	8.0000		20.0000
Zinc, total	ug/L	MW-8	09/12/2011	ND	8.0000		20.0000
Zinc, total	ug/L	MW-8	03/15/2012	ND	8.0000		20.0000
Zinc, total	ug/L	MW-8	09/04/2012		10.2000		20.0000
Zinc, total	ug/L	MW-8	04/03/2013	ND	8.0000		20.0000
Zinc, total	ug/L	MW-8	09/11/2013		138.0000	*	20.0000
Zinc, total	ug/L	MW-8	04/11/2014		82.6000	*	20.0000
Zinc, total	ug/L	MW-8	09/22/2014		13.6000		20.0000
Zinc, total	ug/L	MW-8	04/21/2015	ND	8.0000		20.0000
Zinc, total	ug/L	MW-8	09/08/2015	ND	8.0000		20.0000
Zinc, total	ug/L	MW-8	02/25/2016	ND	8.0000		20.0000
Zinc, total	ug/L	MW-8	09/06/2016		8.8000		20.0000
Zinc, total	ug/L	MW-8	03/06/2017	ND	8.0000		20.0000
Zinc, total	ug/L	MW-8	09/05/2017	ND	8.0000		20.0000
Zinc, total	ug/L	MW-8	03/02/2018	ND	8.0000		20.0000
Zinc, total	ug/L	MW-8	09/04/2018		28.7000	*	20.0000
Zinc, total	ug/L	MW-8	03/27/2019		29.5000	*	20.0000
Zinc, total	ug/L	MW-8	09/07/2019	ND	8.0000		20.0000
Zinc, total	ug/L	MW-8	03/30/2020	ND	20.0000		20.0000
Zinc, total	ug/L	MW-8	09/01/2020	ND	20.0000		20.0000
Zinc, total	ug/L	MW-8	03/03/2021	ND	20.0000		20.0000
Zinc, total	ug/L	MW-8	09/10/2021		101.0000	*	20.0000
Zinc, total	ug/L	MW-8	03/04/2022	ND	20.0000		20.0000
Zinc, total	ug/L	MW-8	09/02/2022	ND	20.0000		20.0000
Zinc, total	ug/L	MW-8	03/21/2023	ND	20.0000		20.0000
Zinc, total	ug/L	MW-8	03/01/2024	ND	20.0000		20.0000
Zinc, total	ug/L	MW-8	09/11/2024		31.4000	*	20.0000
Zinc, total	ug/L	MW-8	03/17/2025	ND	20.0000		20.0000

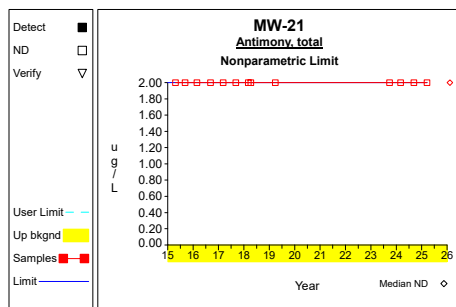
* - Significantly increased over background.

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

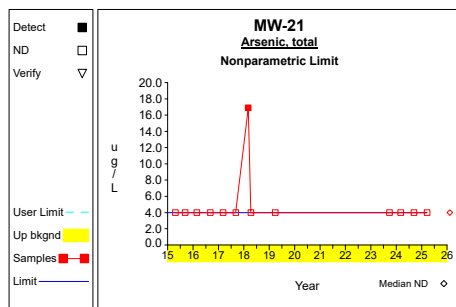
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

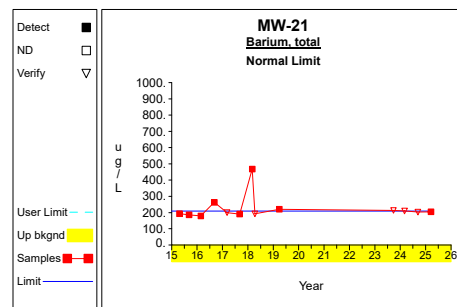
Up vs. Down Prediction Limits



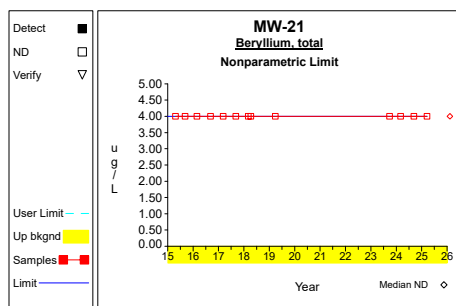
Graph 1



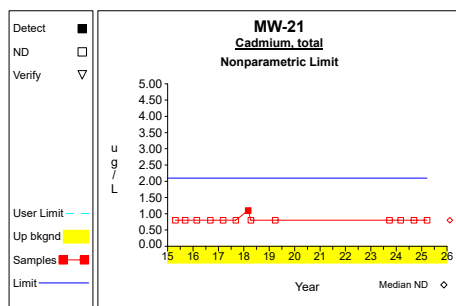
Graph 2



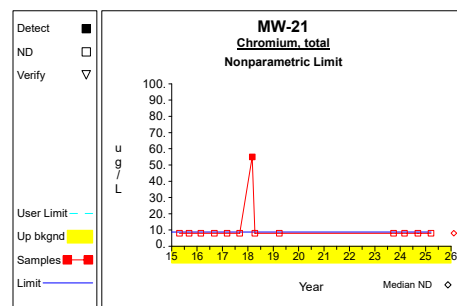
Graph 3



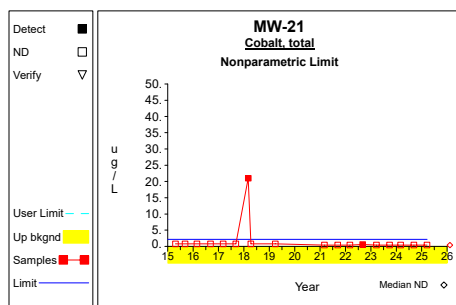
Graph 4



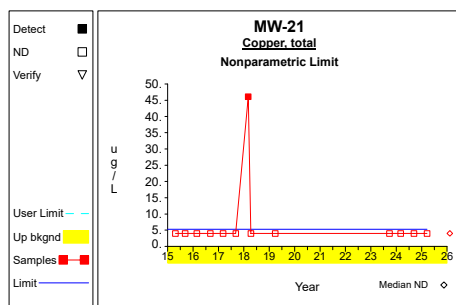
Graph 5



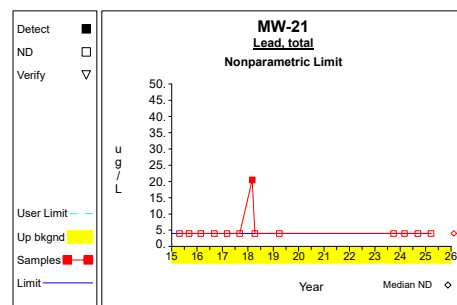
Graph 6



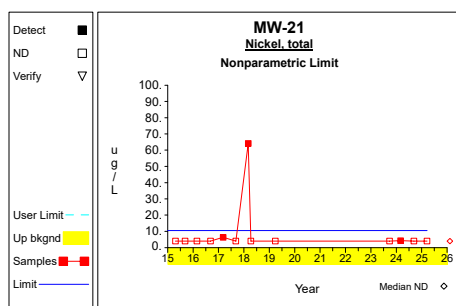
Graph 7



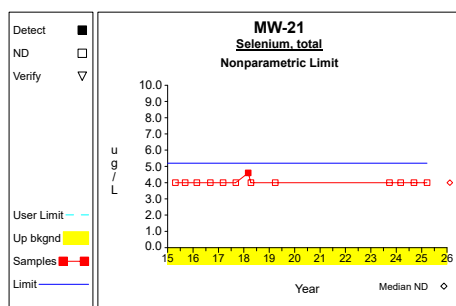
Graph 8



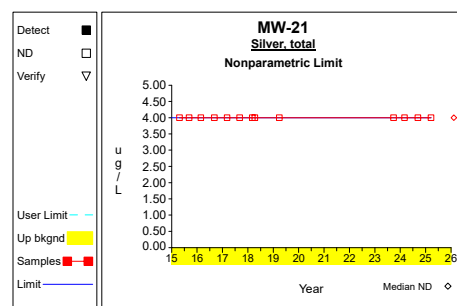
Graph 9



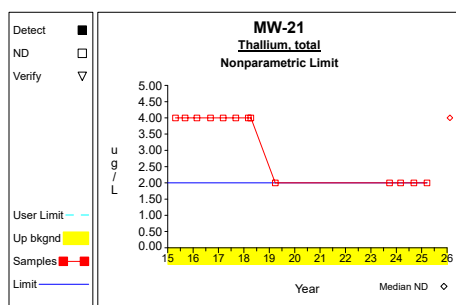
Graph 10



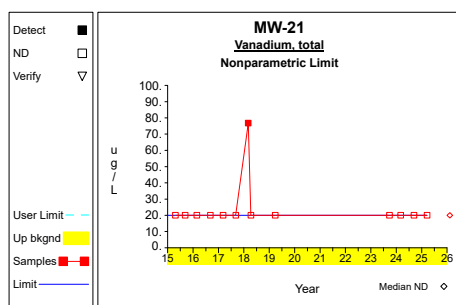
Graph 11



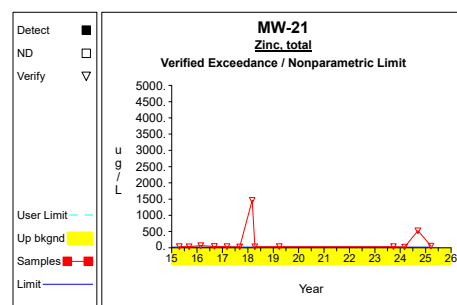
Graph 12



Graph 13

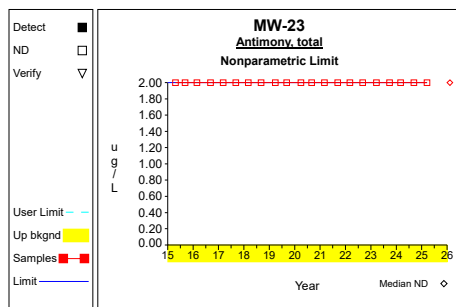


Graph 14

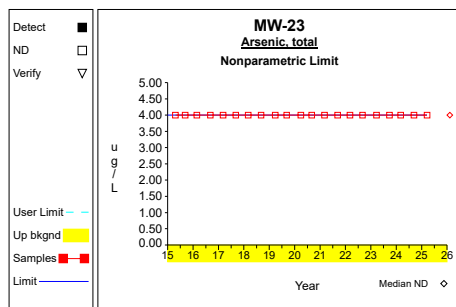


Graph 15

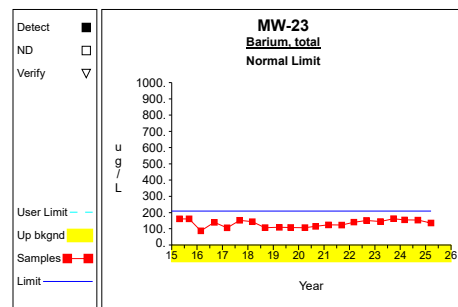
Up vs. Down Prediction Limits



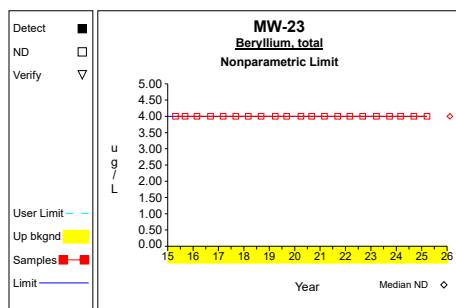
Graph 16



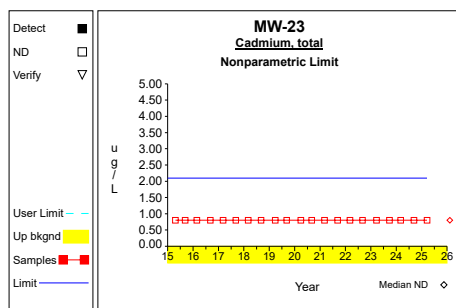
Graph 17



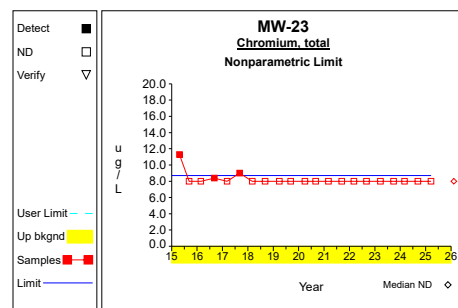
Graph 18



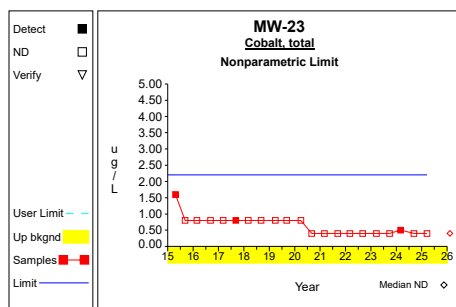
Graph 19



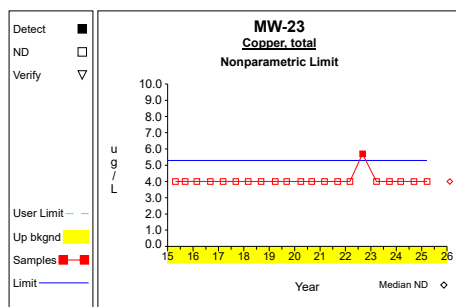
Graph 20



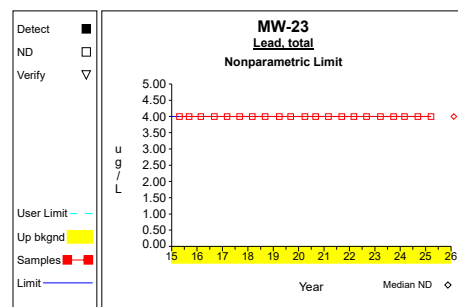
Graph 21



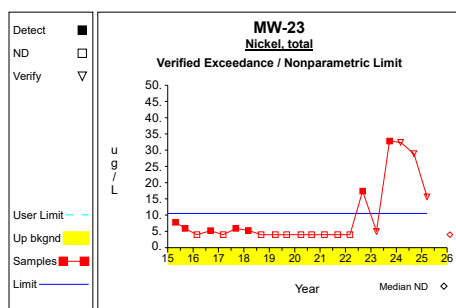
Graph 22



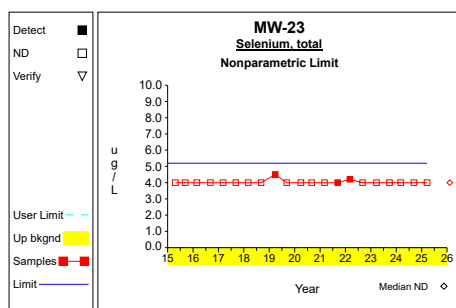
Graph 23



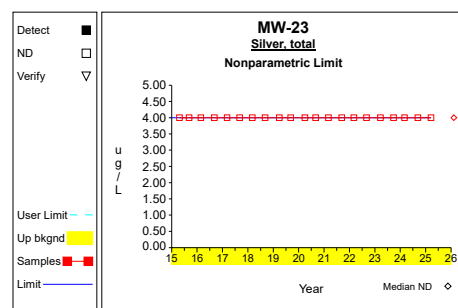
Graph 24



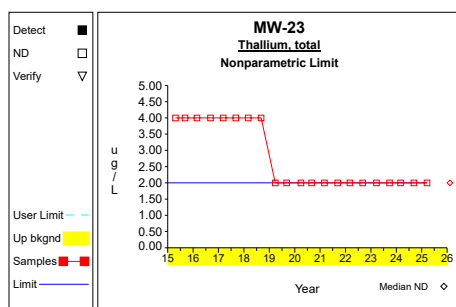
Graph 25



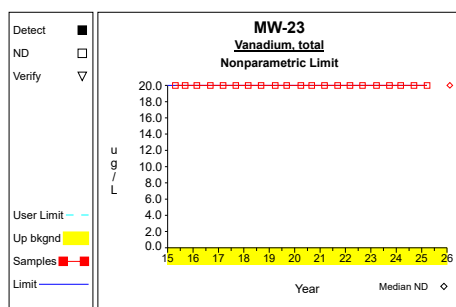
Graph 26



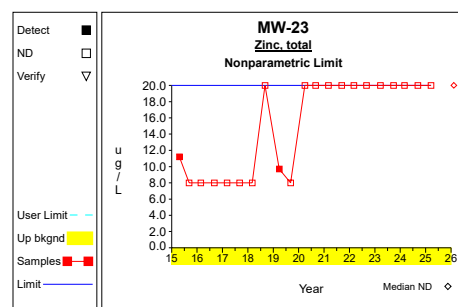
Graph 27



Graph 28

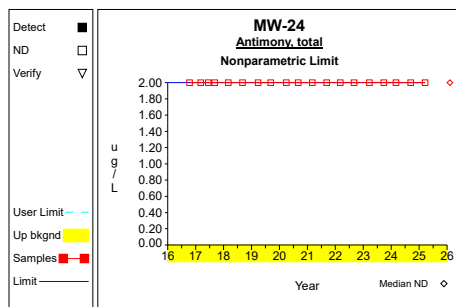


Graph 29

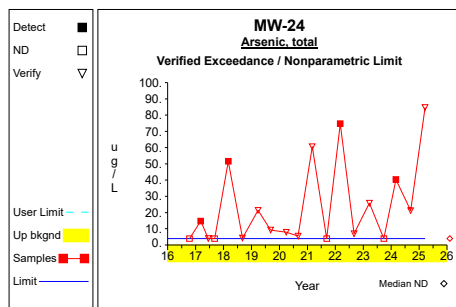


Graph 30

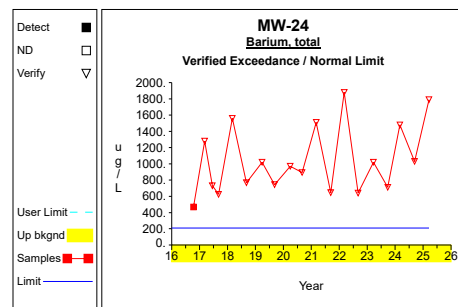
Up vs. Down Prediction Limits



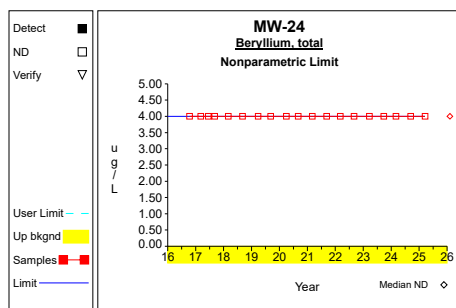
Graph 31



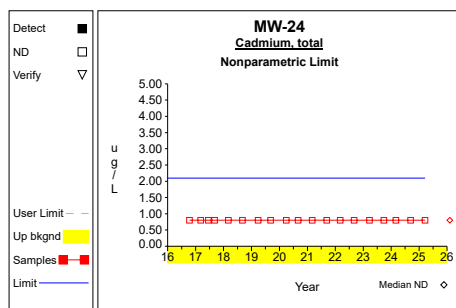
Graph 32



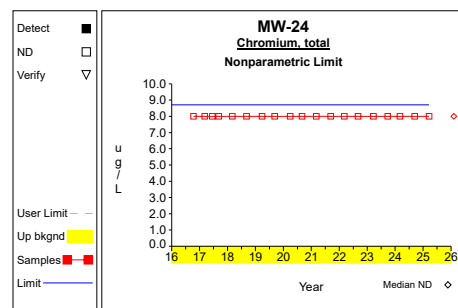
Graph 33



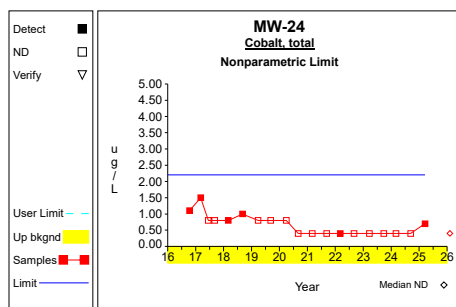
Graph 34



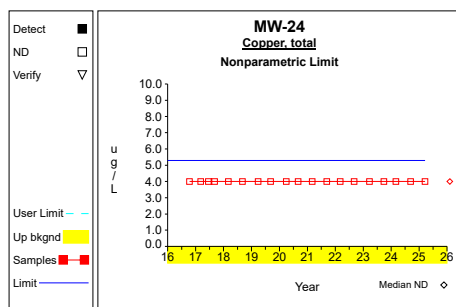
Graph 35



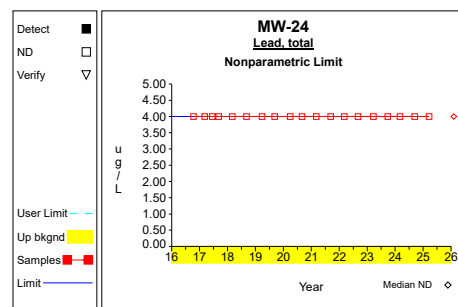
Graph 36



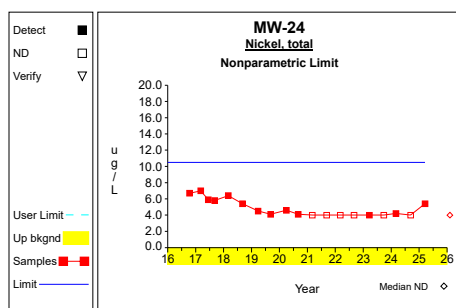
Graph 37



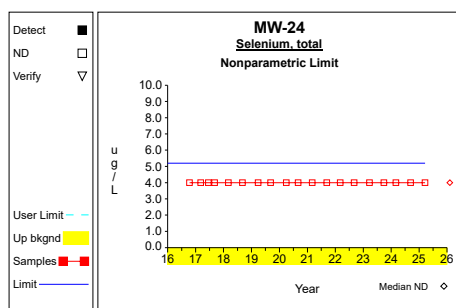
Graph 38



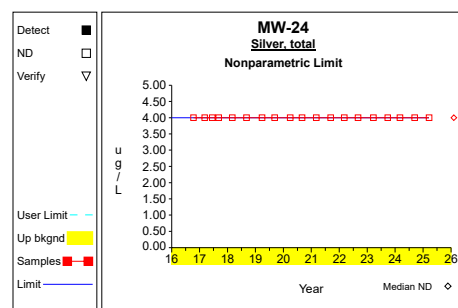
Graph 39



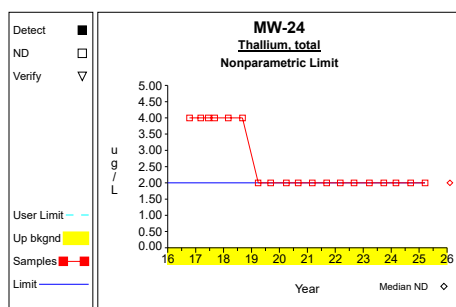
Graph 40



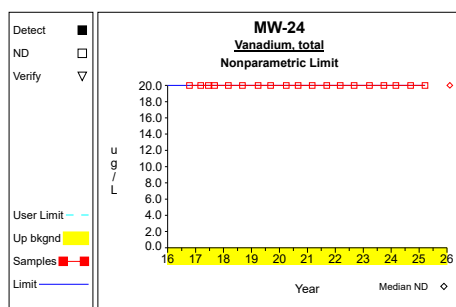
Graph 41



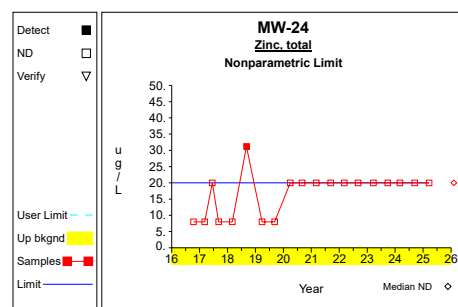
Graph 42



Graph 43

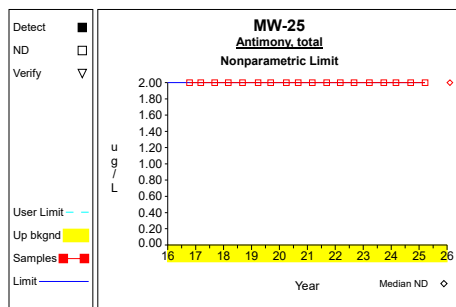


Graph 44

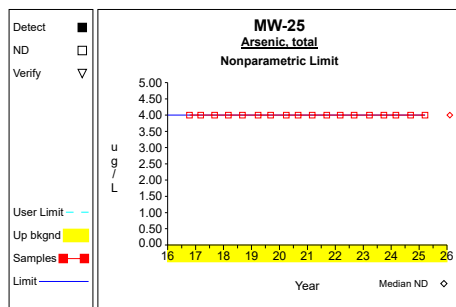


Graph 45

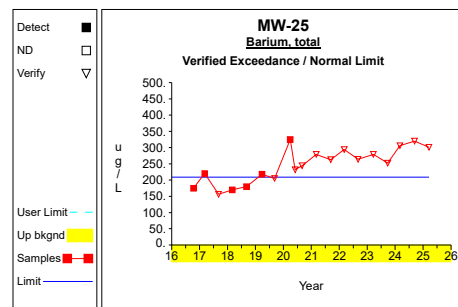
Up vs. Down Prediction Limits



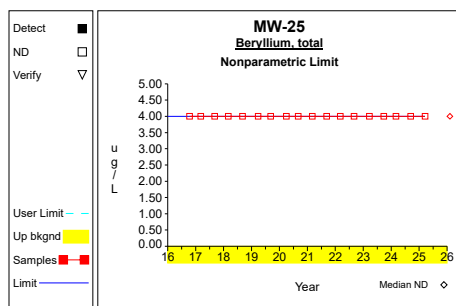
Graph 46



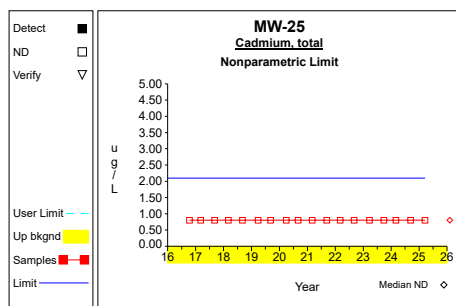
Graph 47



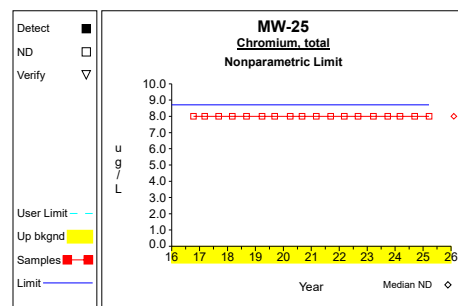
Graph 48



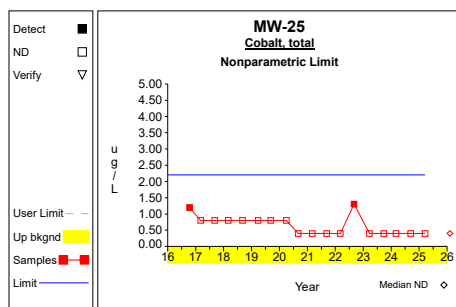
Graph 49



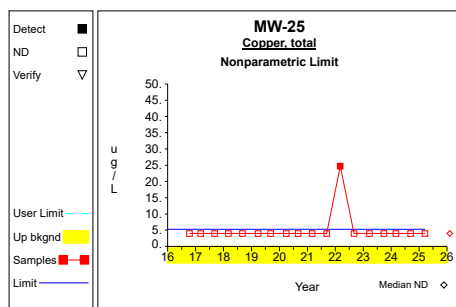
Graph 50



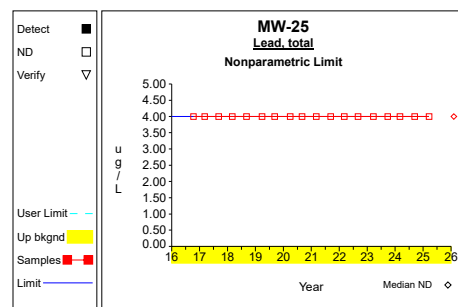
Graph 51



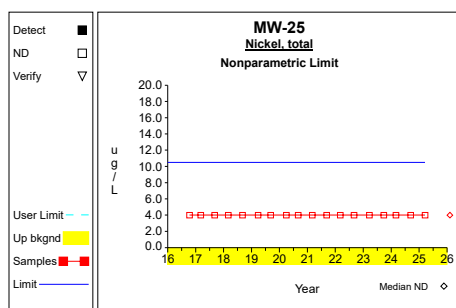
Graph 52



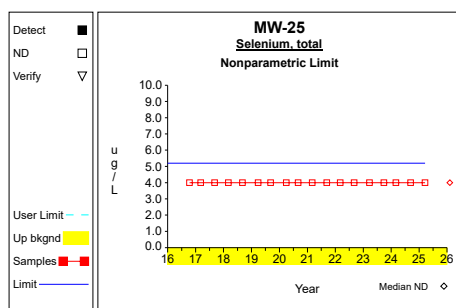
Graph 53



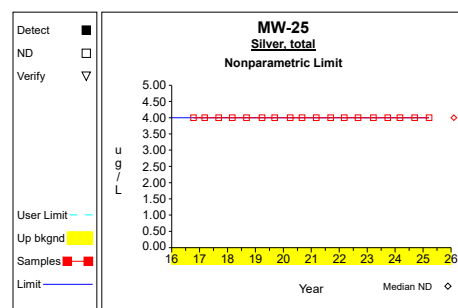
Graph 54



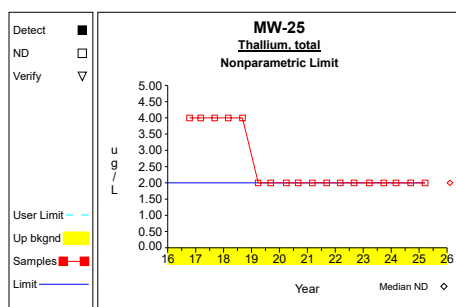
Graph 55



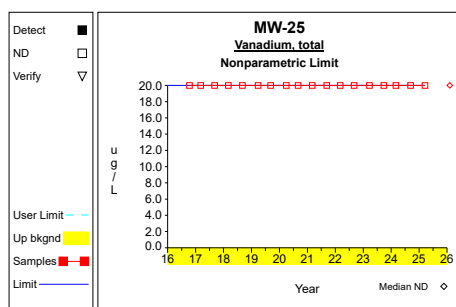
Graph 56



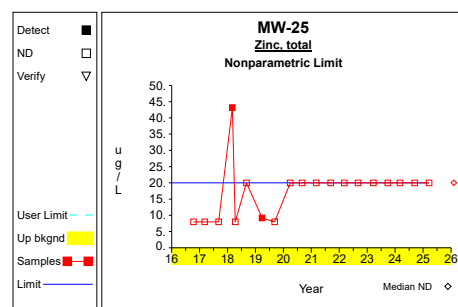
Graph 57



Graph 58

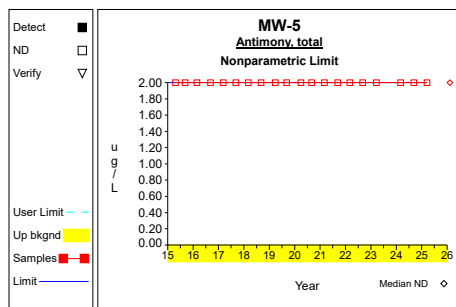


Graph 59

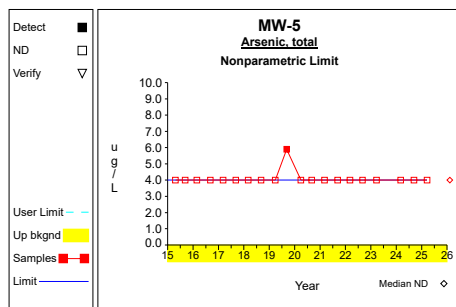


Graph 60

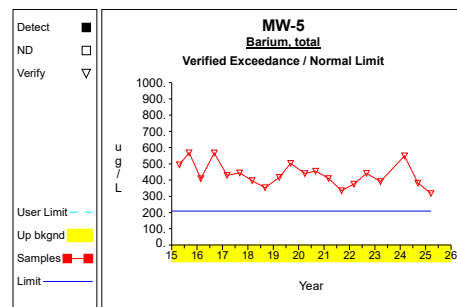
Up vs. Down Prediction Limits



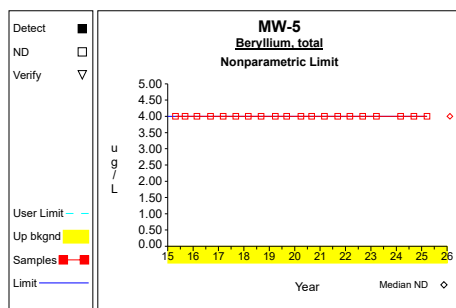
Graph 61



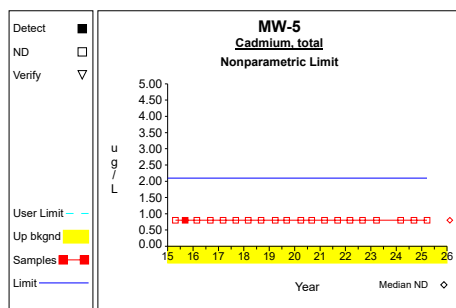
Graph 62



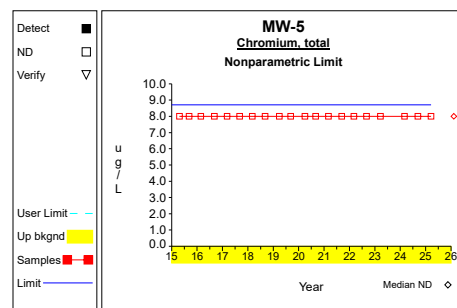
Graph 63



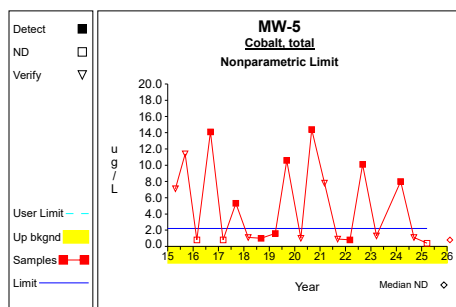
Graph 64



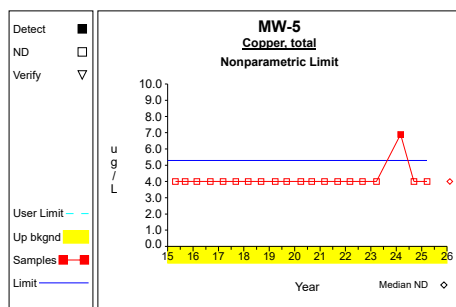
Graph 65



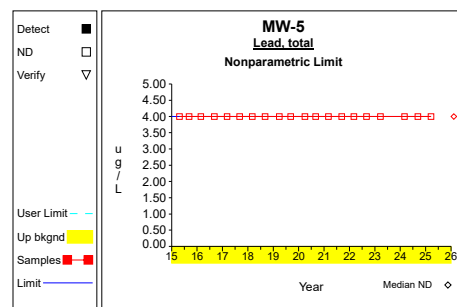
Graph 66



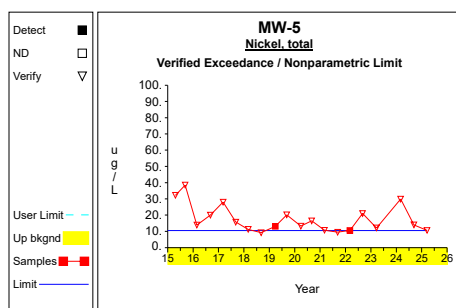
Graph 67



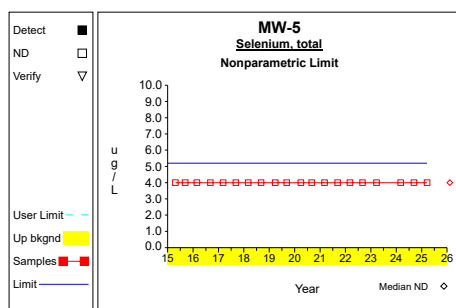
Graph 68



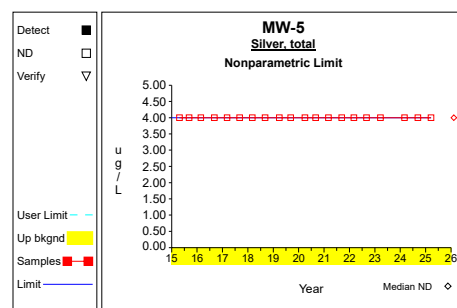
Graph 69



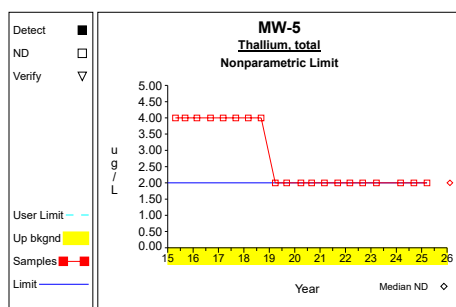
Graph 70



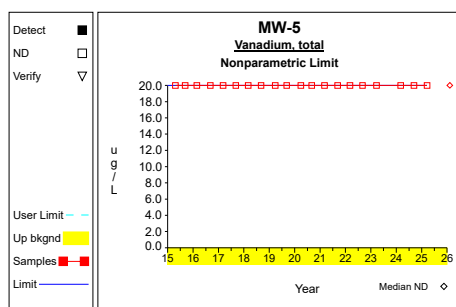
Graph 71



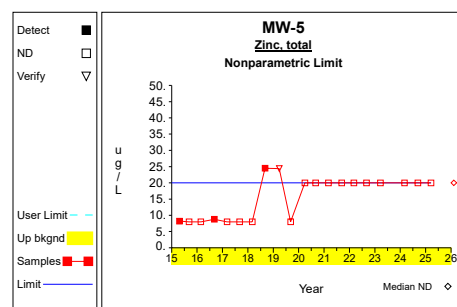
Graph 72



Graph 73

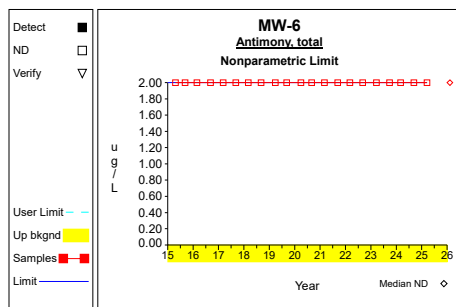


Graph 74

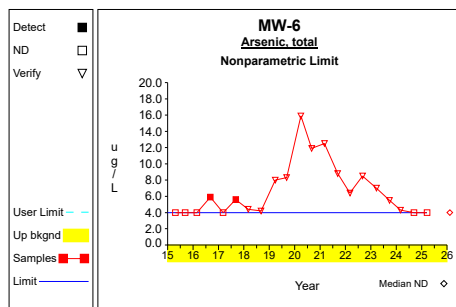


Graph 75

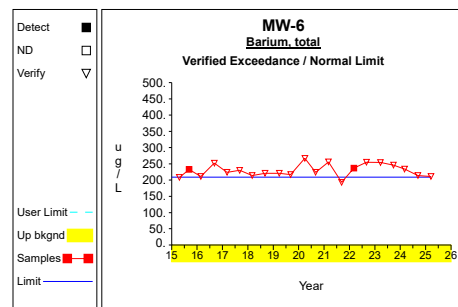
Up vs. Down Prediction Limits



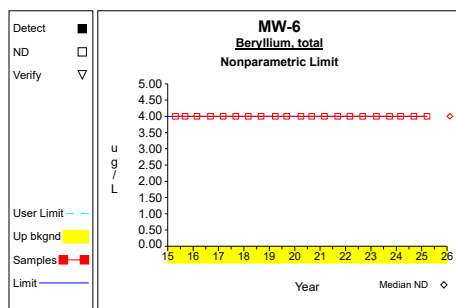
Graph 76



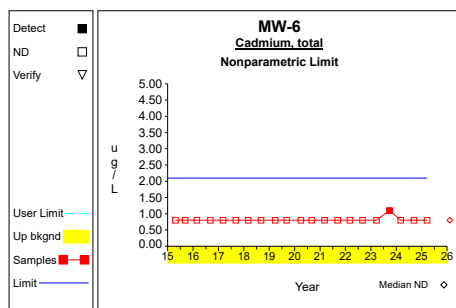
Graph 77



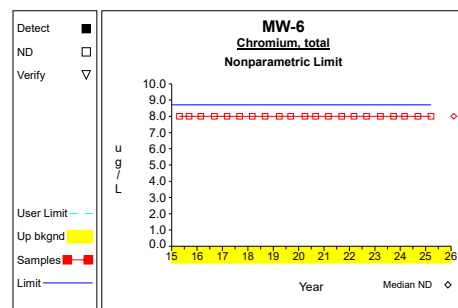
Graph 78



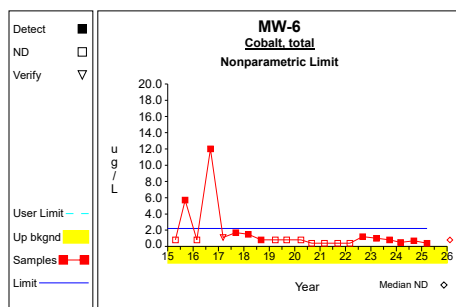
Graph 79



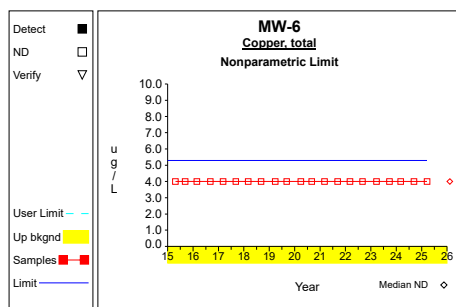
Graph 80



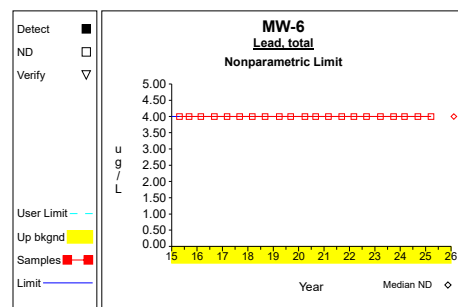
Graph 81



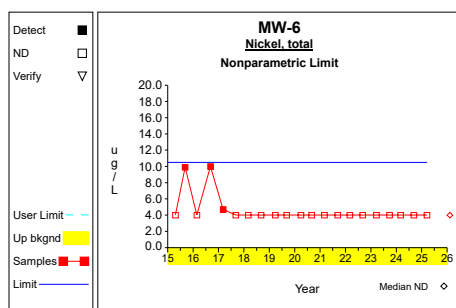
Graph 82



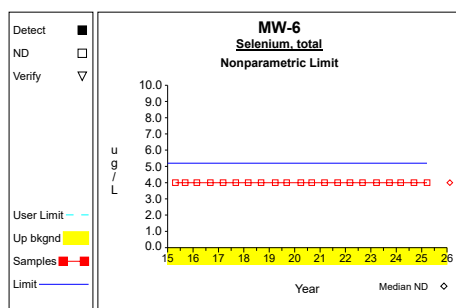
Graph 83



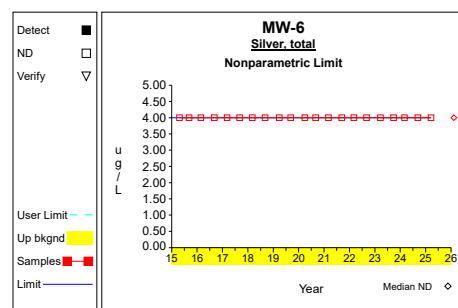
Graph 84



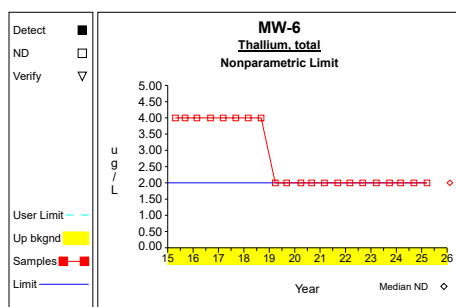
Graph 85



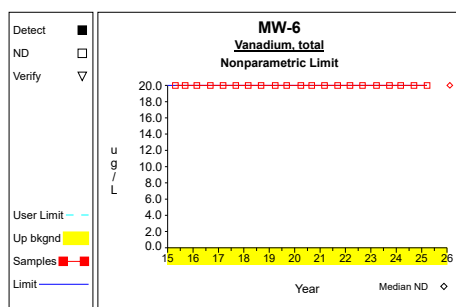
Graph 86



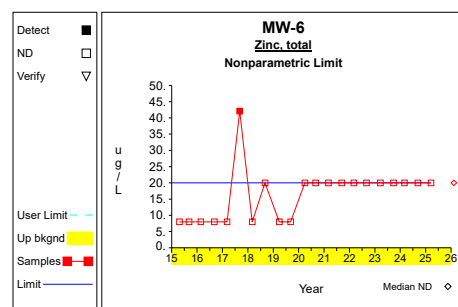
Graph 87



Graph 88

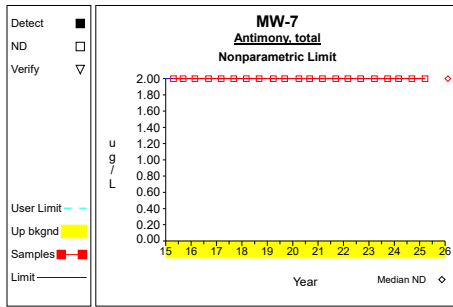


Graph 89

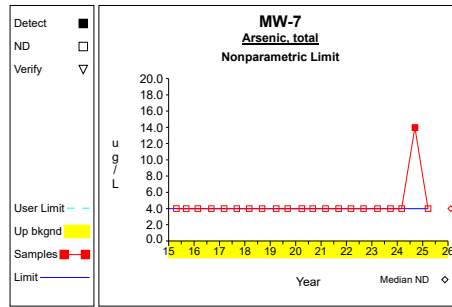


Graph 90

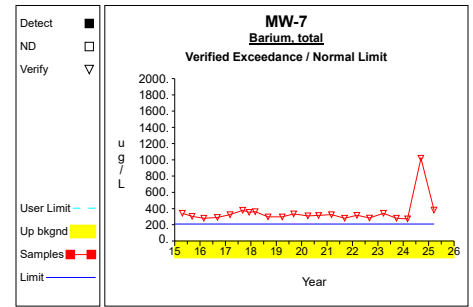
Up vs. Down Prediction Limits



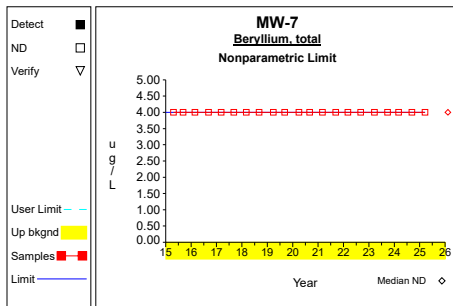
Graph 91



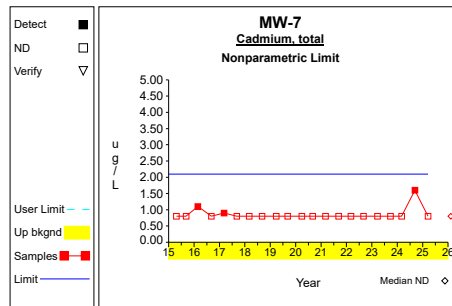
Graph 92



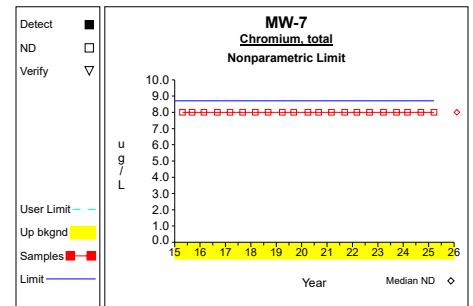
Graph 93



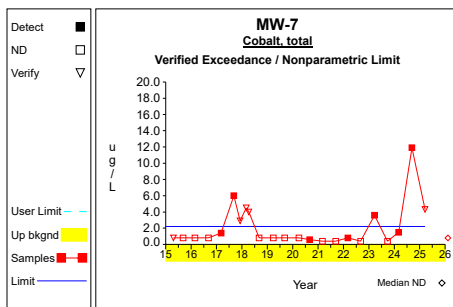
Graph 94



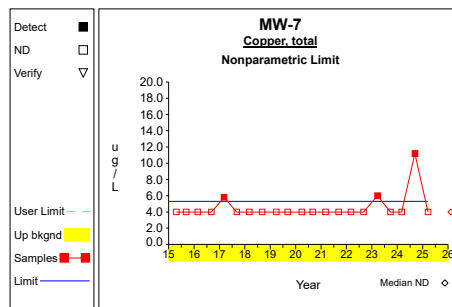
Graph 95



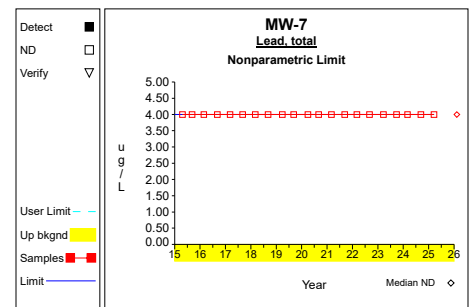
Graph 96



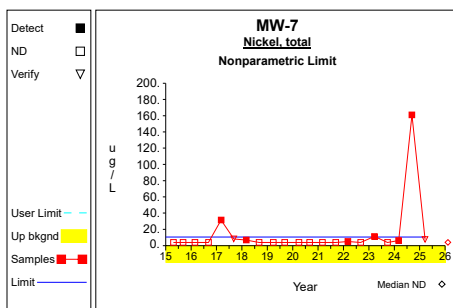
Graph 97



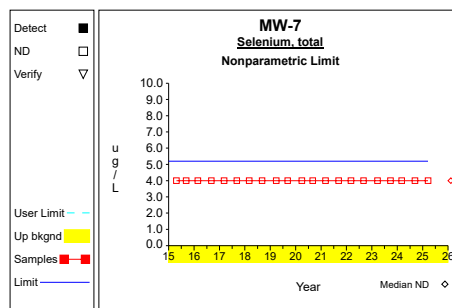
Graph 98



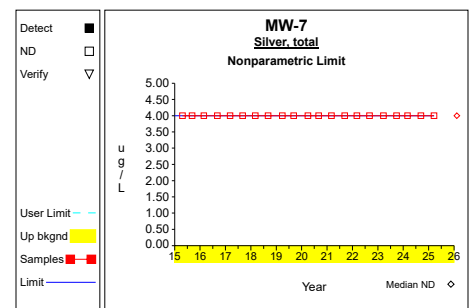
Graph 99



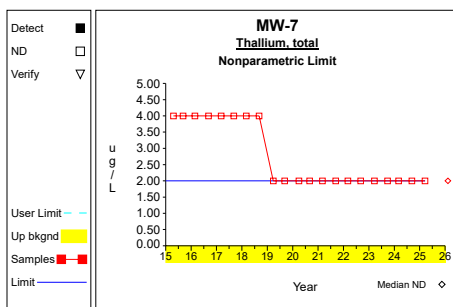
Graph 100



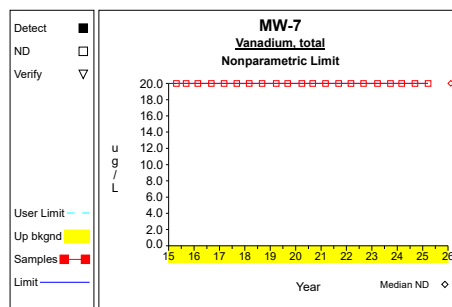
Graph 101



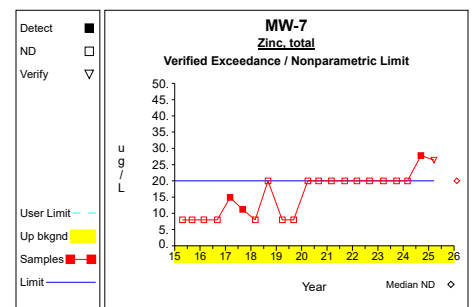
Graph 102



Graph 103

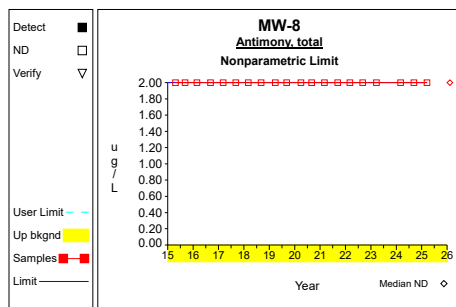


Graph 104

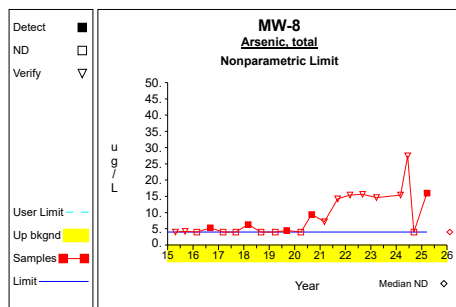


Graph 105

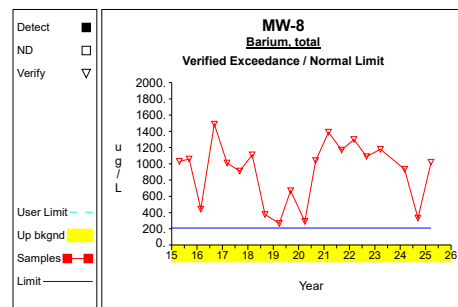
Up vs. Down Prediction Limits



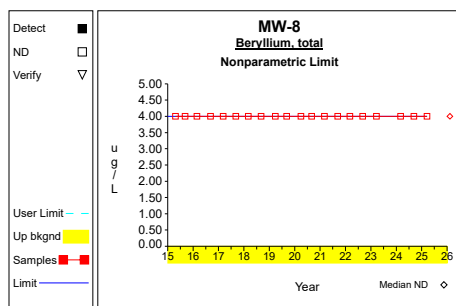
Graph 106



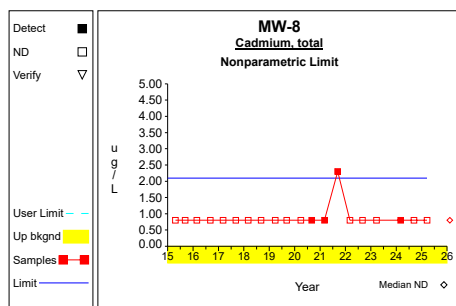
Graph 107



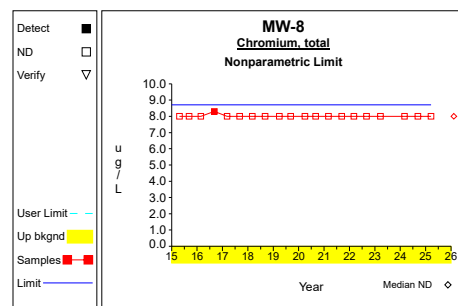
Graph 108



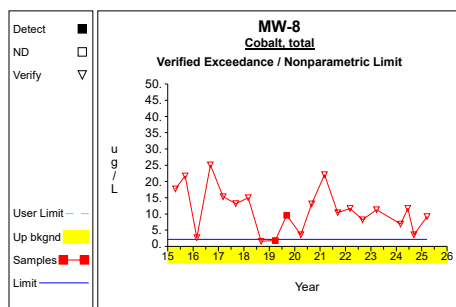
Graph 109



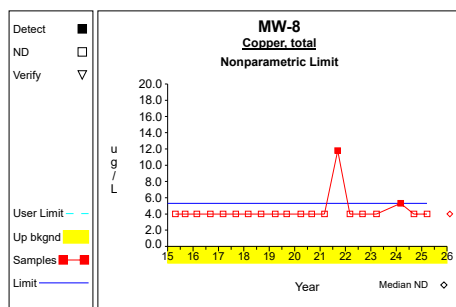
Graph 110



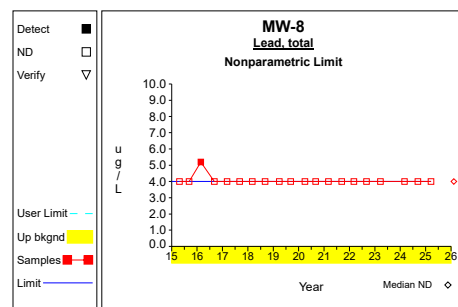
Graph 111



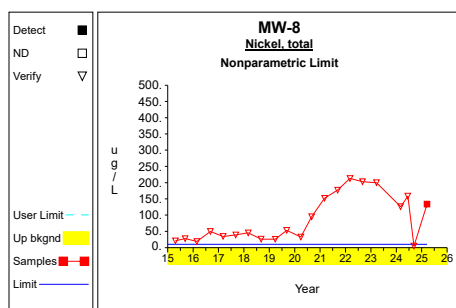
Graph 112



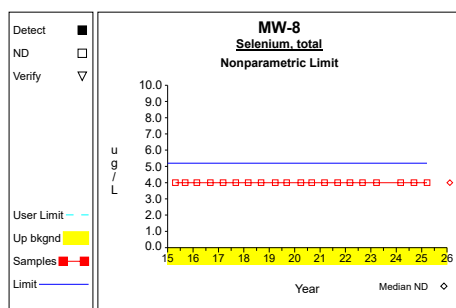
Graph 113



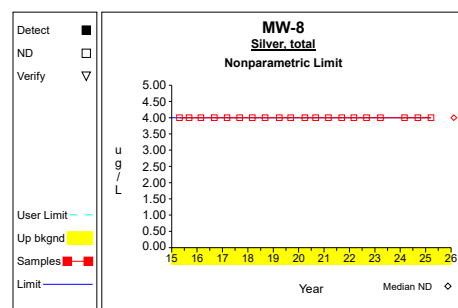
Graph 114



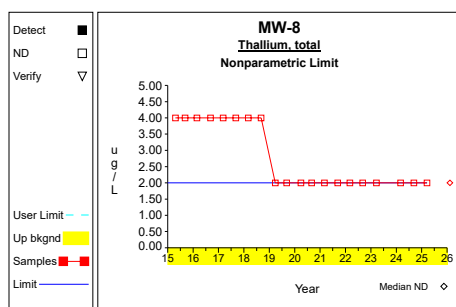
Graph 115



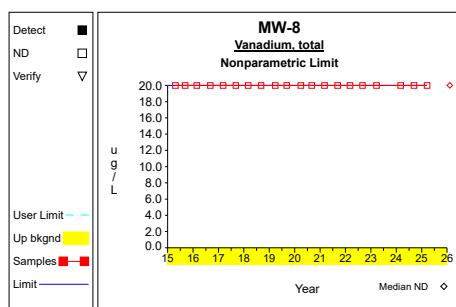
Graph 116



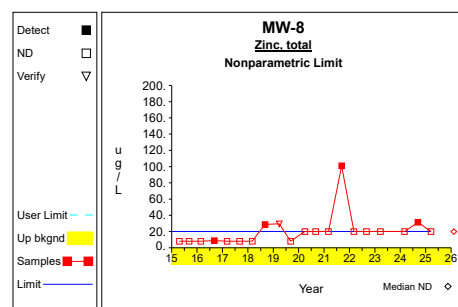
Graph 117



Graph 118



Graph 119



Graph 120

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

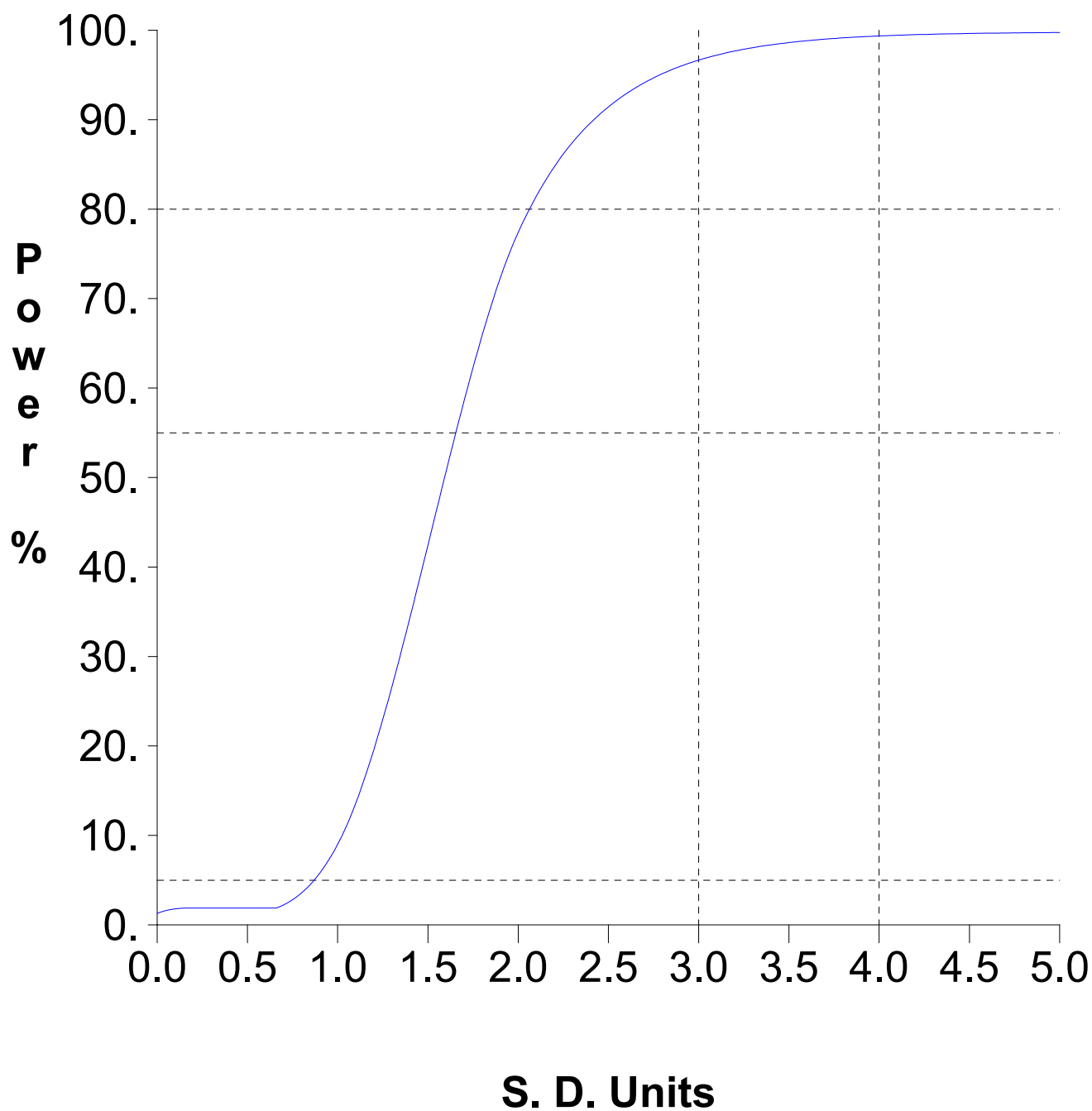


Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic, total	ug/L	MW-21	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-21	4	207.750	4.573	1.176	202.370	213.130	2000.000		
Cobalt, total	ug/L	MW-21	4	0.200	0.000	1.176	0.200	0.200	2.100		
Copper, total	ug/L	MW-21	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-21	4	2.575	1.150	1.176	1.222	3.928	100.000		
Zinc, total	ug/L	MW-21	4	159.275	244.870	1.176	0.000	447.312	2000.000		
Arsenic, total	ug/L	MW-23	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-23	4	151.750	11.087	1.176	138.709	164.791	2000.000		
Cobalt, total	ug/L	MW-23	4	0.275	0.150	1.176	0.099	0.451	2.100		
Copper, total	ug/L	MW-23	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-23	4	27.425	8.076	1.176	17.926	36.924	100.000		
Zinc, total	ug/L	MW-23	4	10.000	0.000	1.176	10.000	10.000	2000.000		
Arsenic, total	ug/L	MW-24	4	37.050	35.406	1.176	0.000	78.698	10.000		
Barium, total	ug/L	MW-24	4	1252.750	477.281	1.176	691.330	1814.170	2000.000		
Cobalt, total	ug/L	MW-24	4	0.325	0.250	1.176	0.031	0.619	2.100		
Copper, total	ug/L	MW-24	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-24	4	3.400	1.689	1.176	1.413	5.387	100.000	dec	
Zinc, total	ug/L	MW-24	4	10.000	0.000	1.176	10.000	10.000	2000.000		
Arsenic, total	ug/L	MW-25	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-25	4	294.750	29.613	1.176	259.917	329.583	2000.000	inc	
Cobalt, total	ug/L	MW-25	4	0.200	0.000	1.176	0.200	0.200	2.100		
Copper, total	ug/L	MW-25	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-25	4	2.000	0.000	1.176	2.000	2.000	100.000		
Zinc, total	ug/L	MW-25	4	10.000	0.000	1.176	10.000	10.000	2000.000		
Arsenic, total	ug/L	MW-5	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-5	4	409.500	98.609	1.176	293.508	525.492	2000.000		
Cobalt, total	ug/L	MW-5	4	2.700	3.554	1.176	0.000	6.881	2.100		
Copper, total	ug/L	MW-5	4	3.225	2.450	1.176	0.343	6.107	1300.000		
Nickel, total	ug/L	MW-5	4	16.650	8.942	1.176	6.131	27.169	100.000		
Zinc, total	ug/L	MW-5	4	10.000	0.000	1.176	10.000	10.000	2000.000		
Arsenic, total	ug/L	MW-6	4	3.450	1.745	1.176	1.398	5.502	10.000		
Barium, total	ug/L	MW-6	4	226.250	16.661	1.176	206.652	245.848	2000.000		
Cobalt, total	ug/L	MW-6	4	0.600	0.183	1.176	0.385	0.815	2.100		
Copper, total	ug/L	MW-6	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-6	4	2.000	0.000	1.176	2.000	2.000	100.000		
Zinc, total	ug/L	MW-6	4	10.000	0.000	1.176	10.000	10.000	2000.000		
Arsenic, total	ug/L	MW-7	4	5.000	6.000	1.176	0.000	12.058	10.000		
Barium, total	ug/L	MW-7	4	489.250	357.265	1.176	69.003	909.497	2000.000		
Cobalt, total	ug/L	MW-7	4	4.525	5.184	1.176	0.000	10.622	2.100		
Copper, total	ug/L	MW-7	4	4.300	4.600	1.176	0.000	9.711	1300.000		
Nickel, total	ug/L	MW-7	4	44.200	77.903	1.176	0.000	135.836	100.000		
Zinc, total	ug/L	MW-7	4	18.550	9.889	1.176	6.917	30.183	2000.000		
Arsenic, total	ug/L	MW-8	4	15.213	10.408	1.176	2.970	27.455	10.000	inc	
Barium, total	ug/L	MW-8	4	866.500	370.626	1.176	430.537	1302.463	2000.000		
Cobalt, total	ug/L	MW-8	4	7.850	3.445	1.176	3.797	11.903	2.100		**
Copper, total	ug/L	MW-8	4	2.825	1.650	1.176	0.884	4.766	1300.000		
Nickel, total	ug/L	MW-8	4	105.875	68.657	1.176	25.115	186.635	100.000	inc	
Zinc, total	ug/L	MW-8	4	15.350	10.700	1.176	2.764	27.936	2000.000		

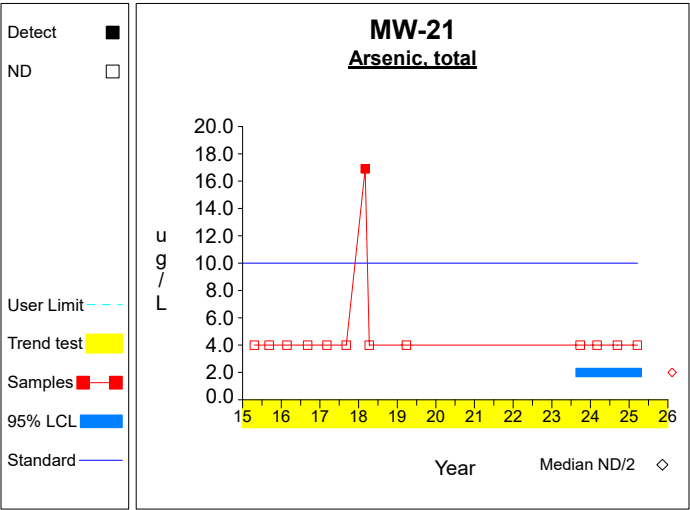
* - Insufficient Data

** - Significant Exceedance

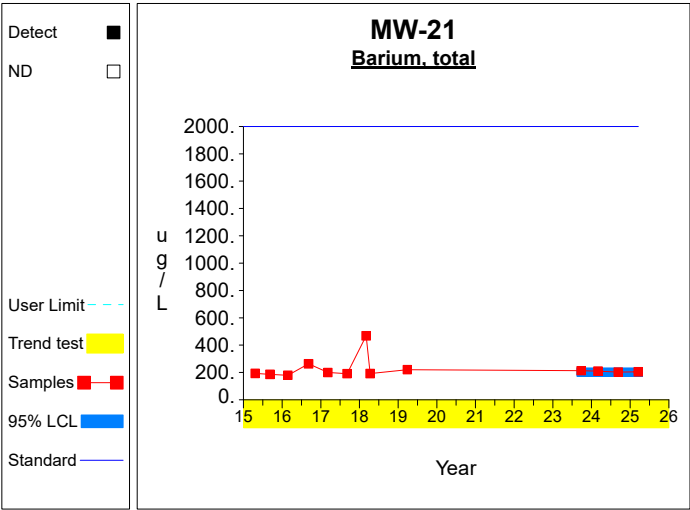
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

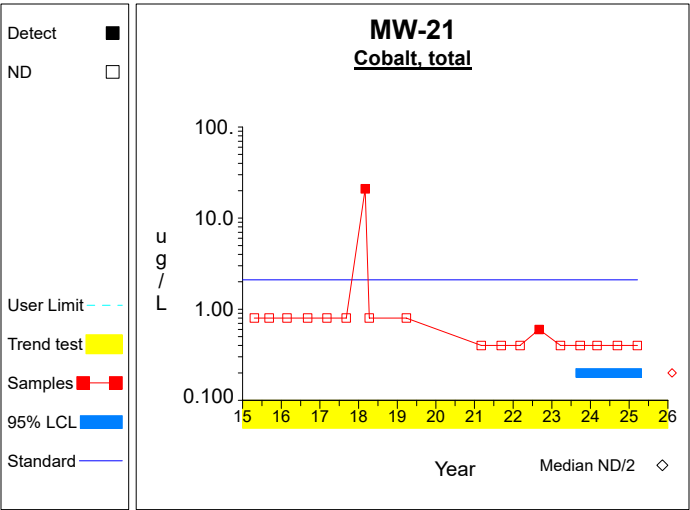
Confidence Limits (Assessment)



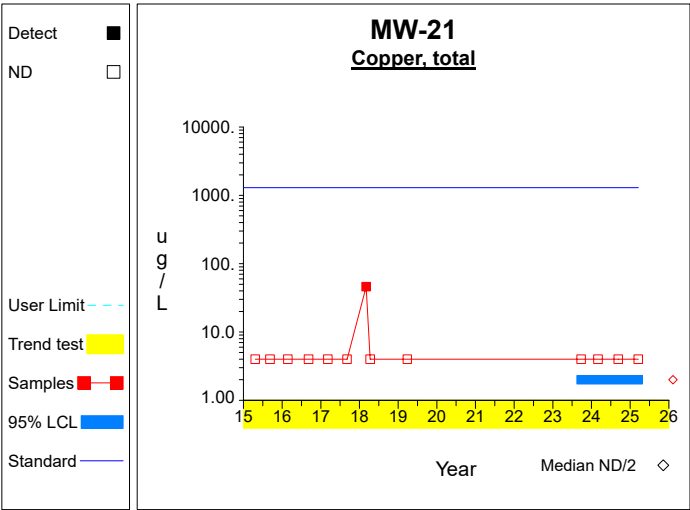
Graph 1



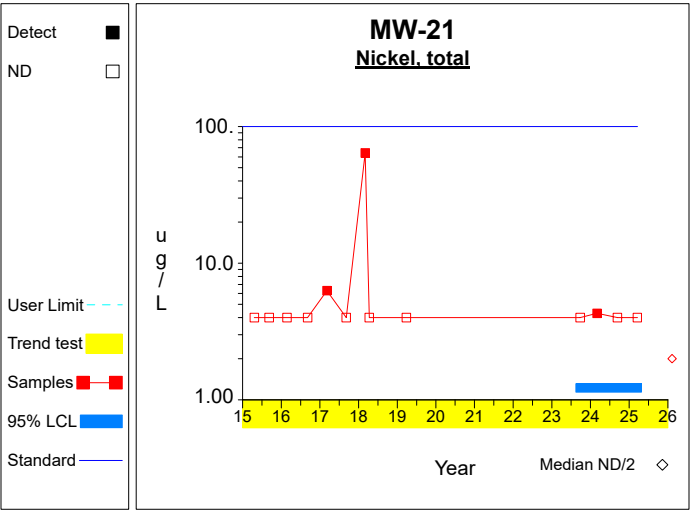
Graph 2



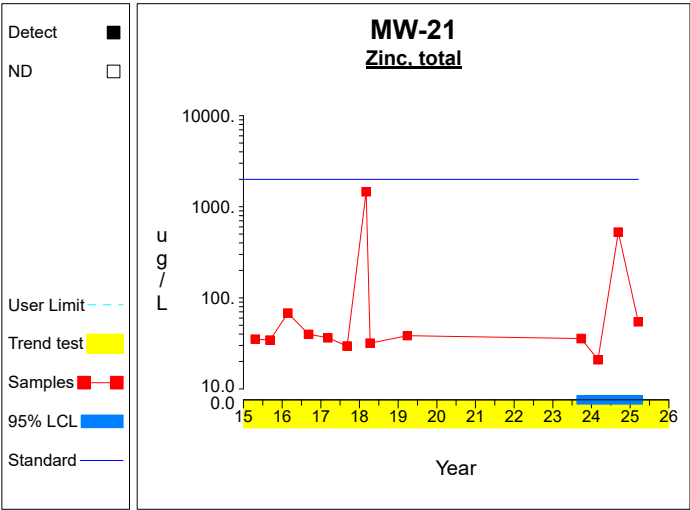
Graph 3



Graph 4

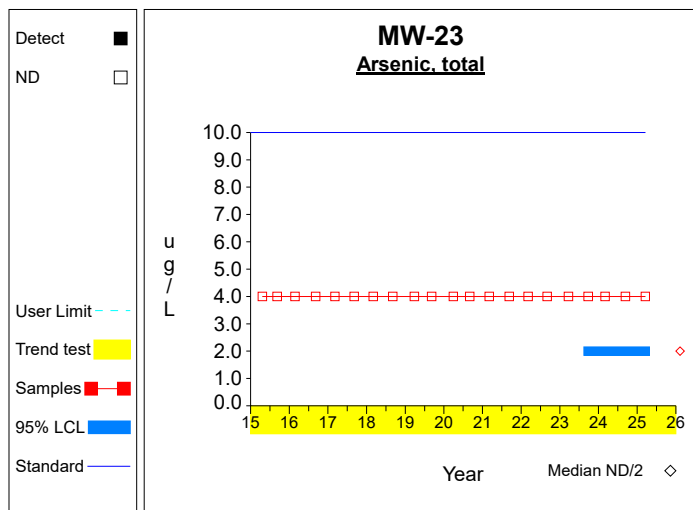


Graph 5

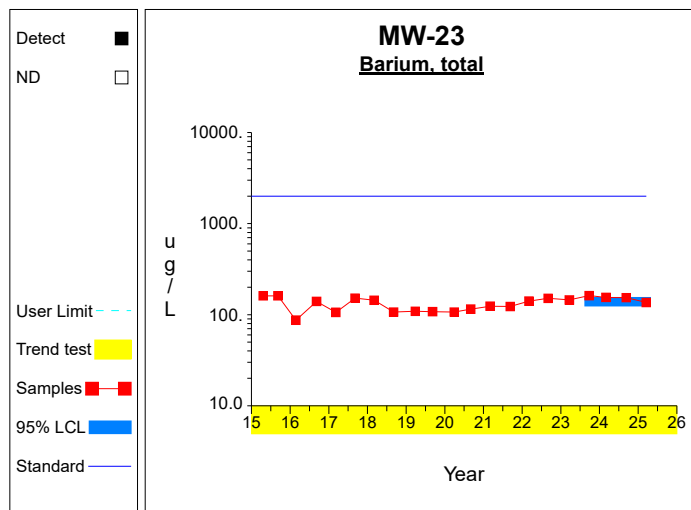


Graph 6

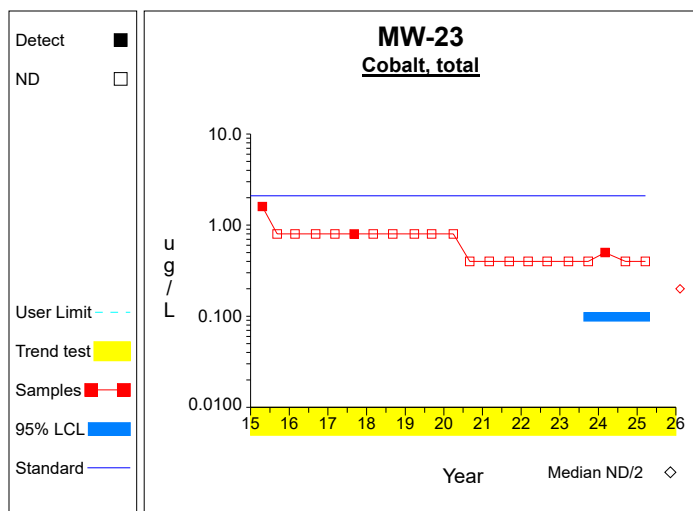
Confidence Limits (Assessment)



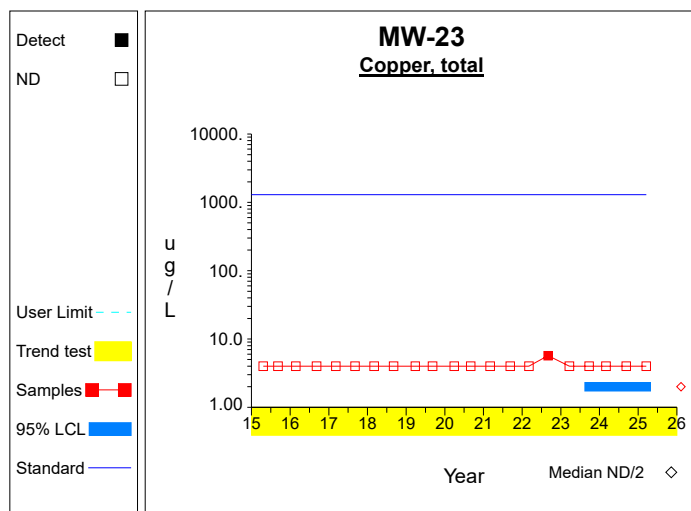
Graph 7



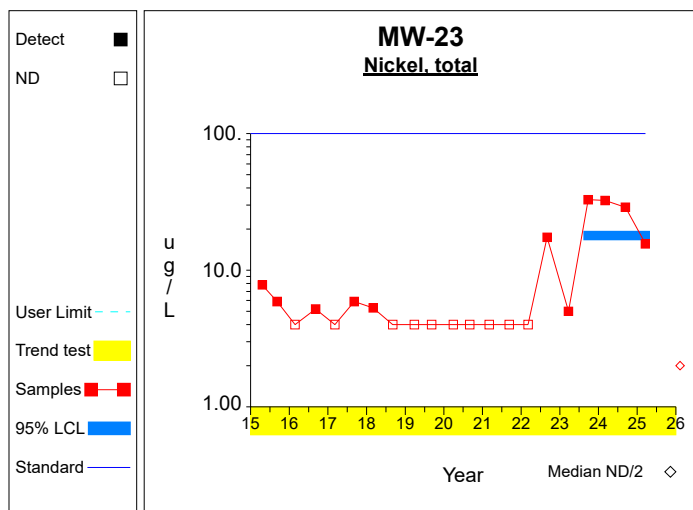
Graph 8



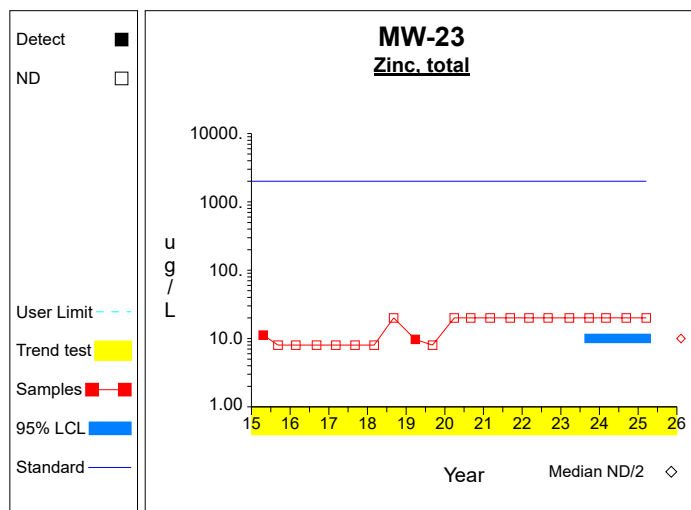
Graph 9



Graph 10

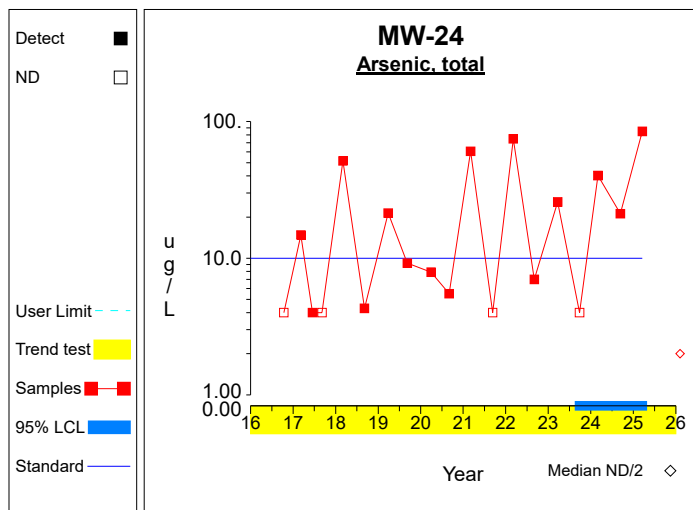


Graph 11

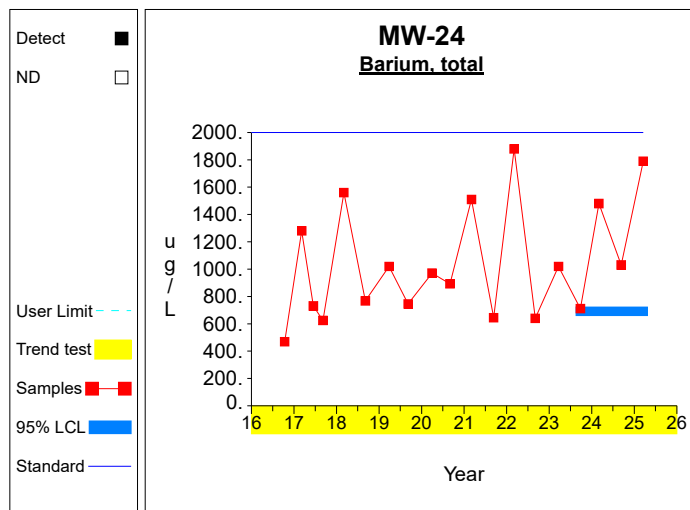


Graph 12

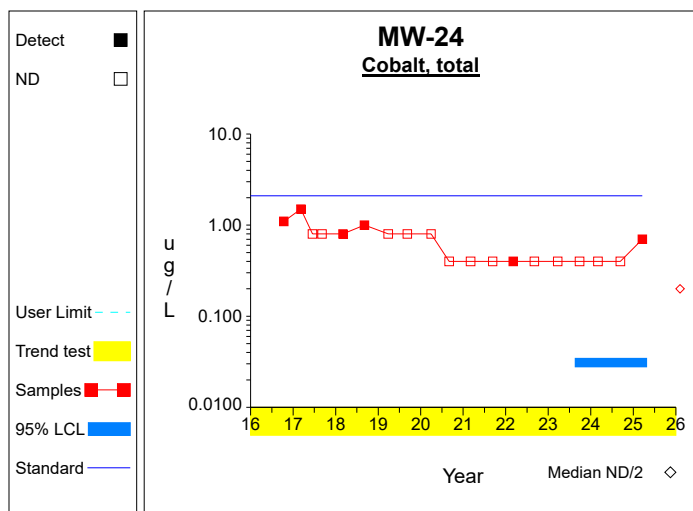
Confidence Limits (Assessment)



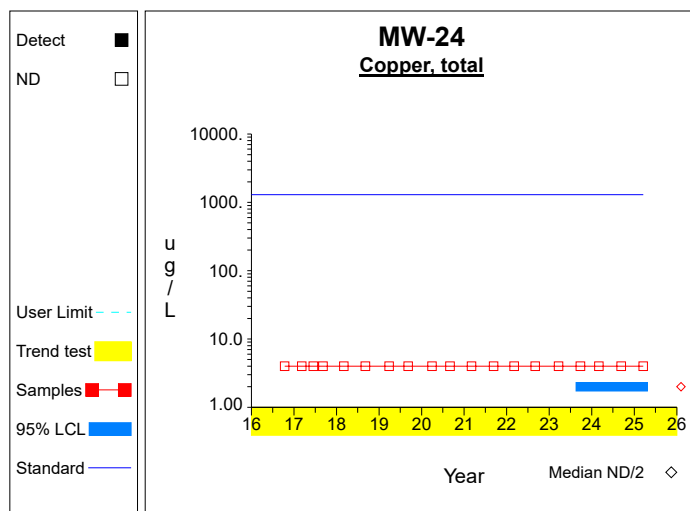
Graph 13



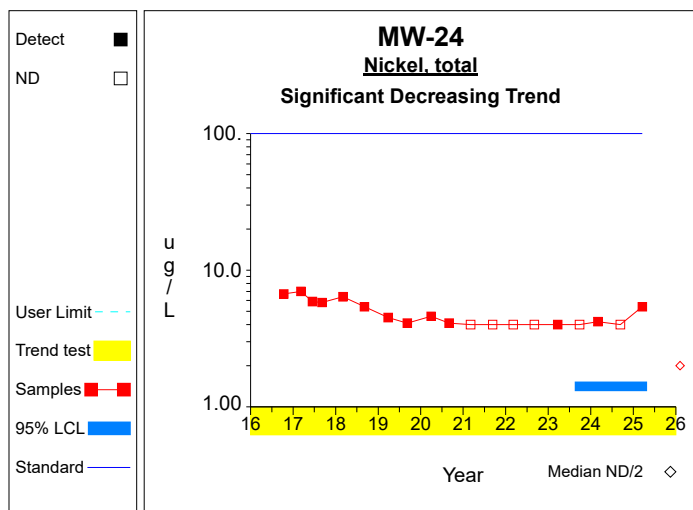
Graph 14



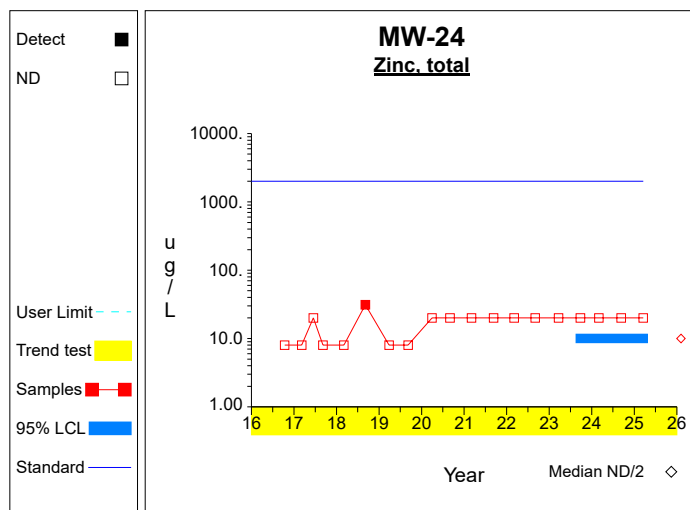
Graph 15



Graph 16

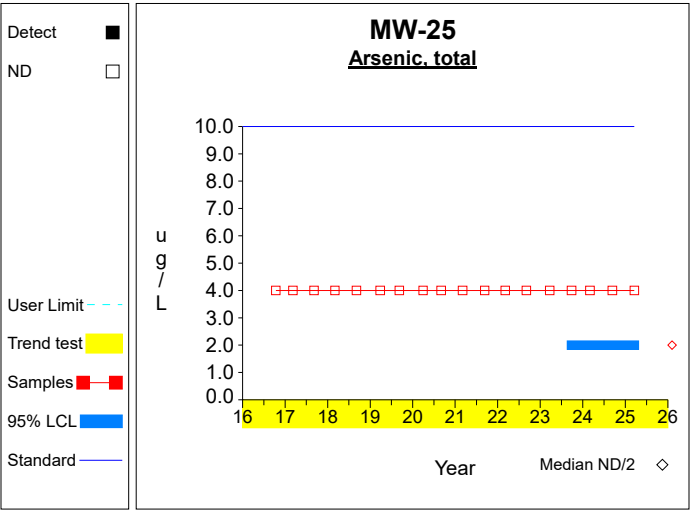


Graph 17

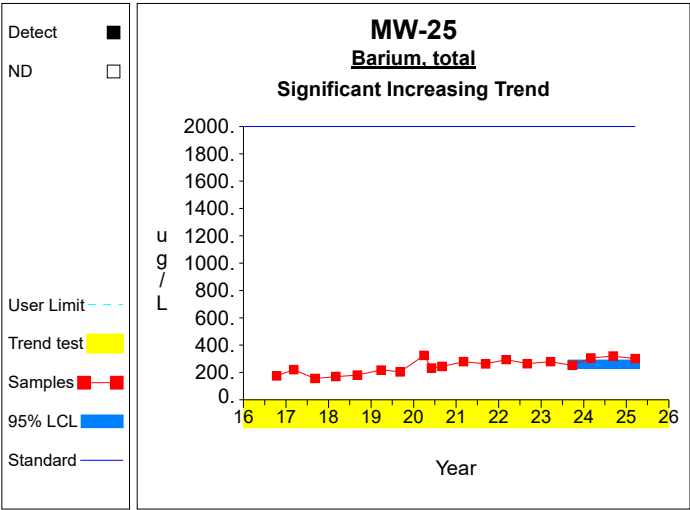


Graph 18

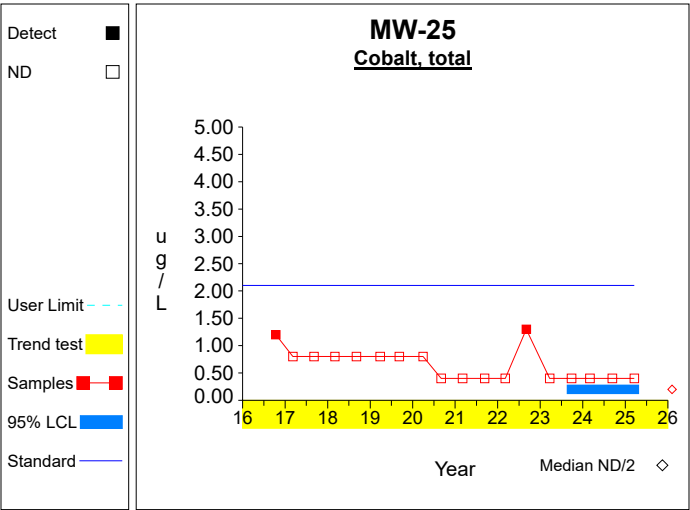
Confidence Limits (Assessment)



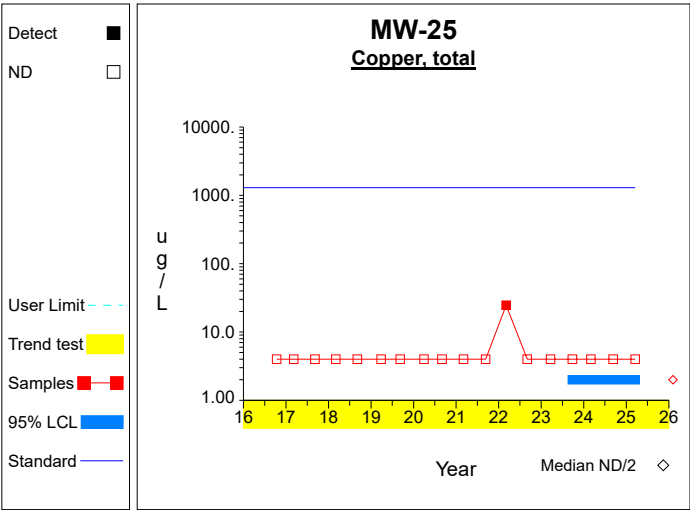
Graph 19



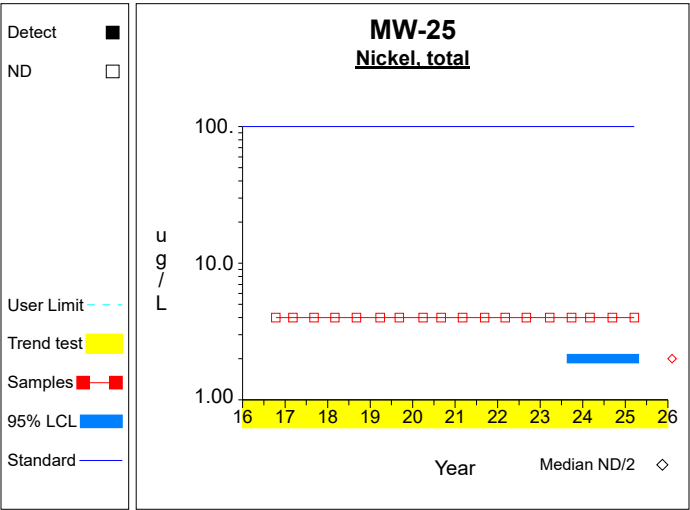
Graph 20



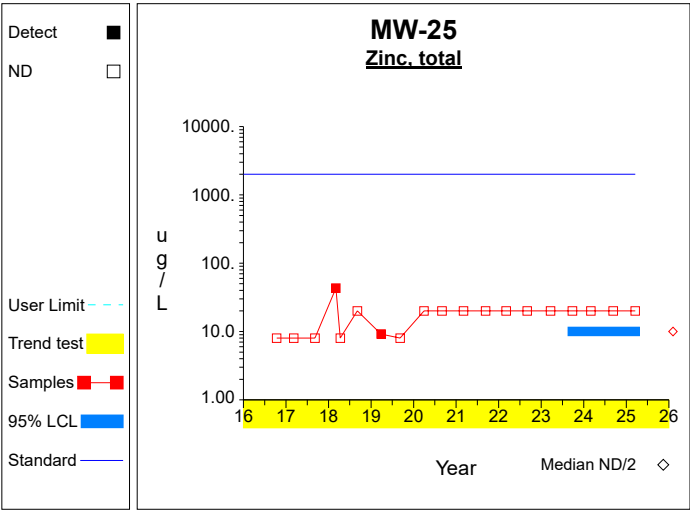
Graph 21



Graph 22

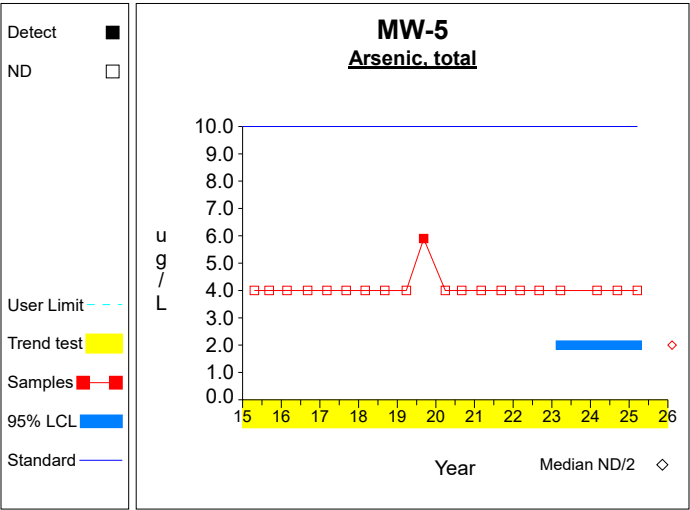


Graph 23

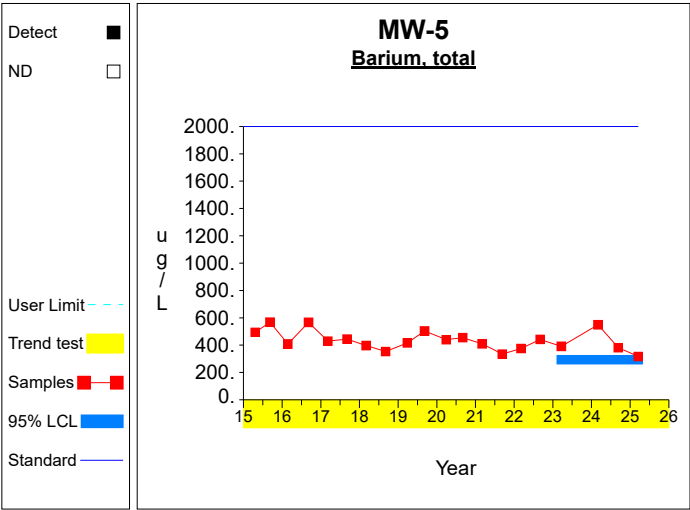


Graph 24

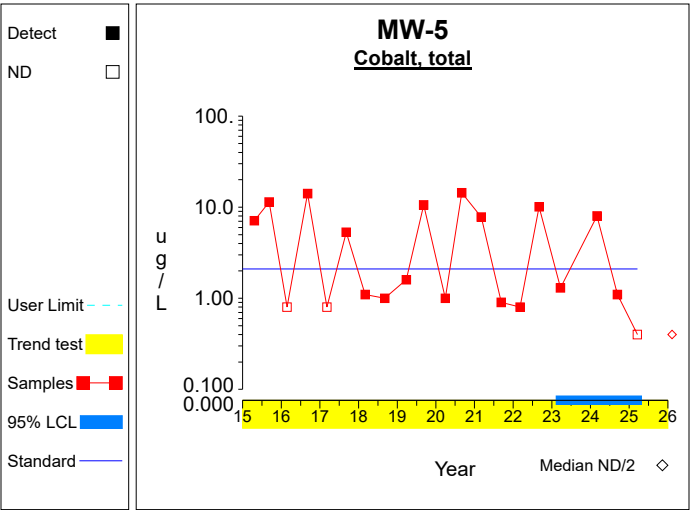
Confidence Limits (Assessment)



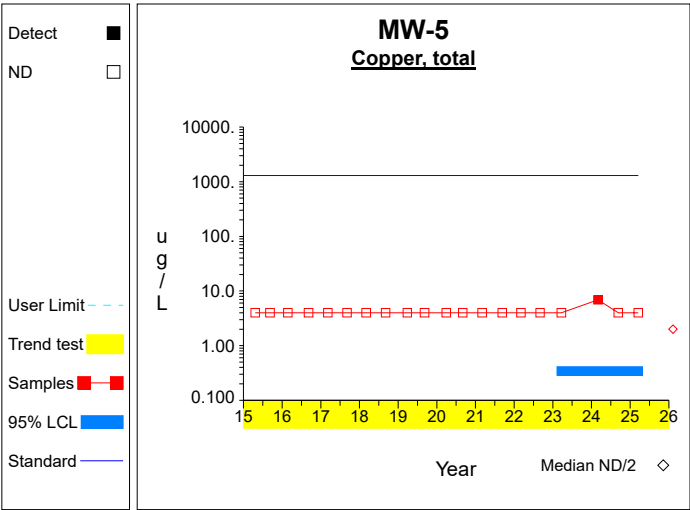
Graph 25



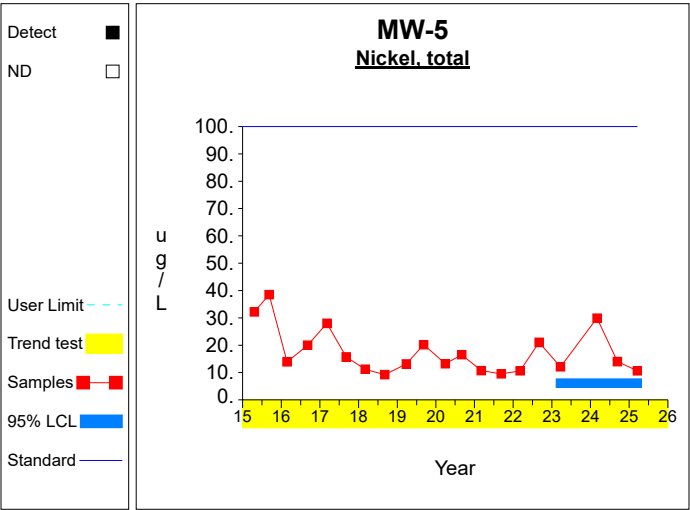
Graph 26



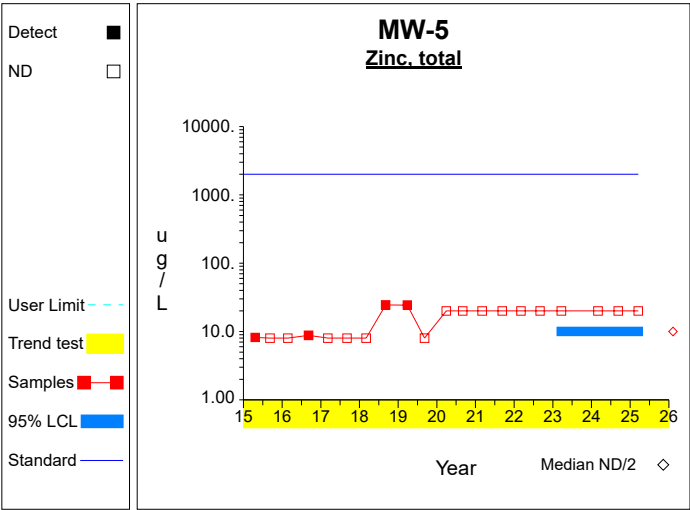
Graph 27



Graph 28

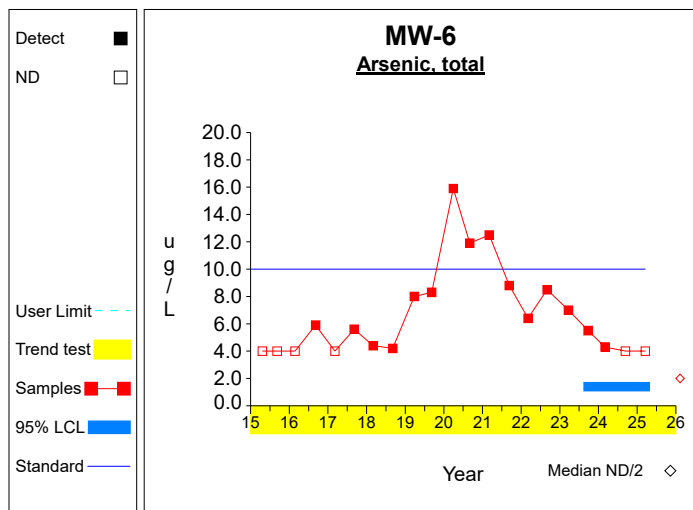


Graph 29

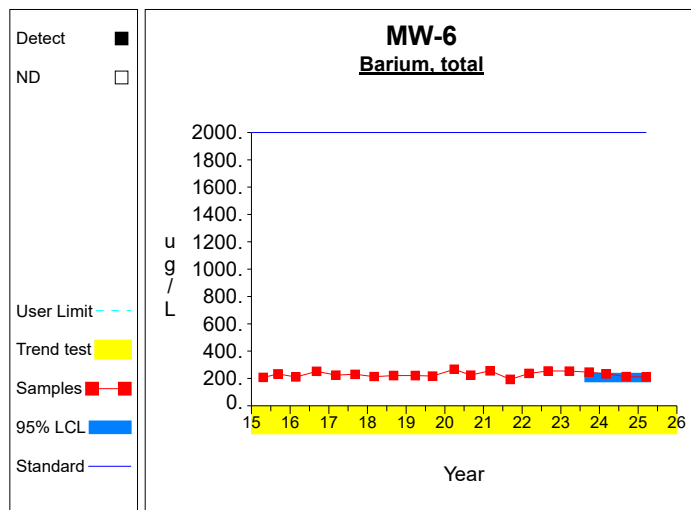


Graph 30

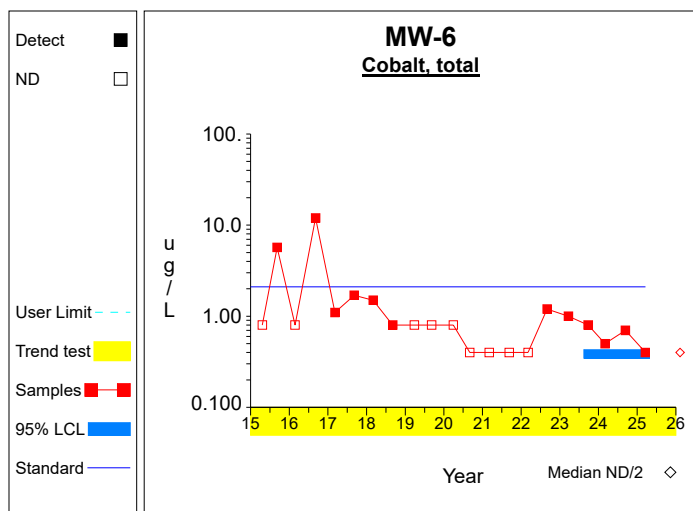
Confidence Limits (Assessment)



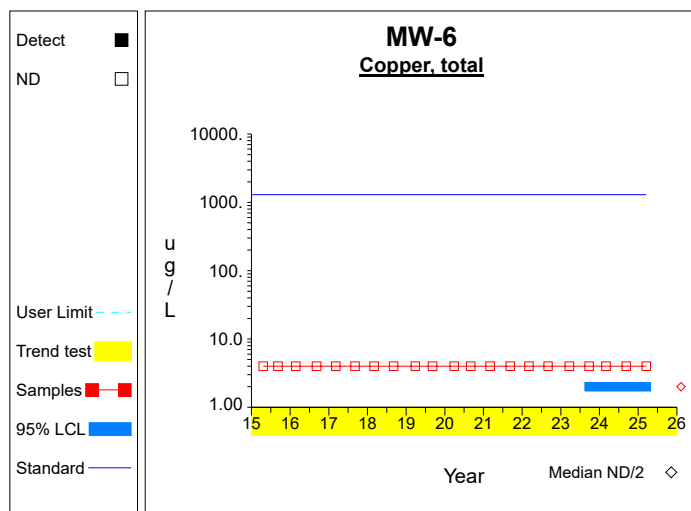
Graph 31



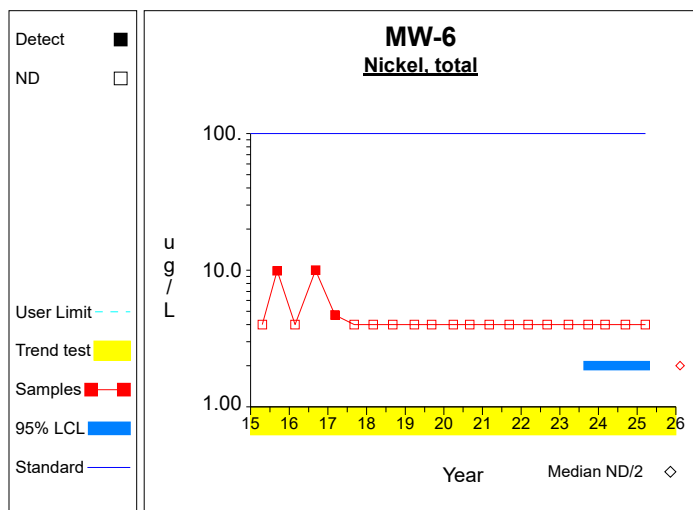
Graph 32



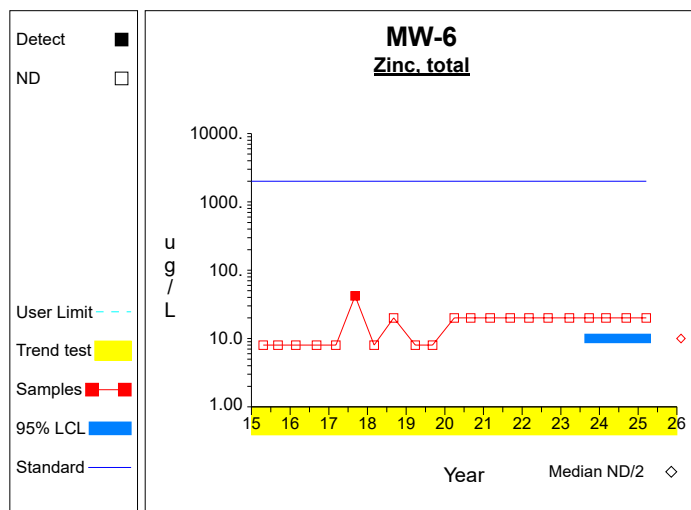
Graph 33



Graph 34

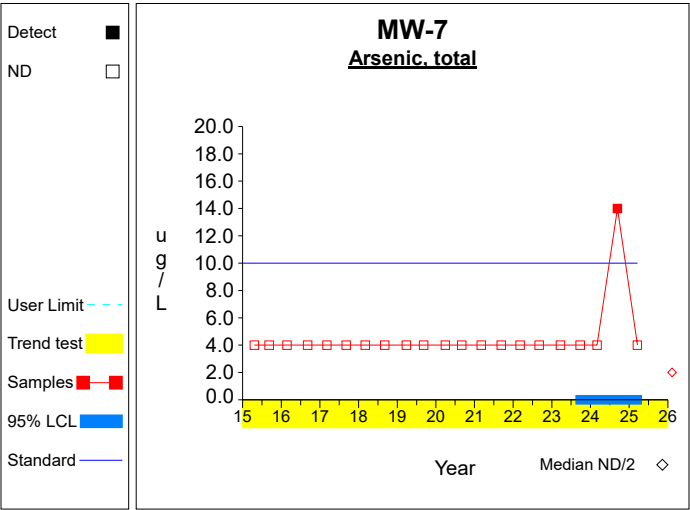


Graph 35

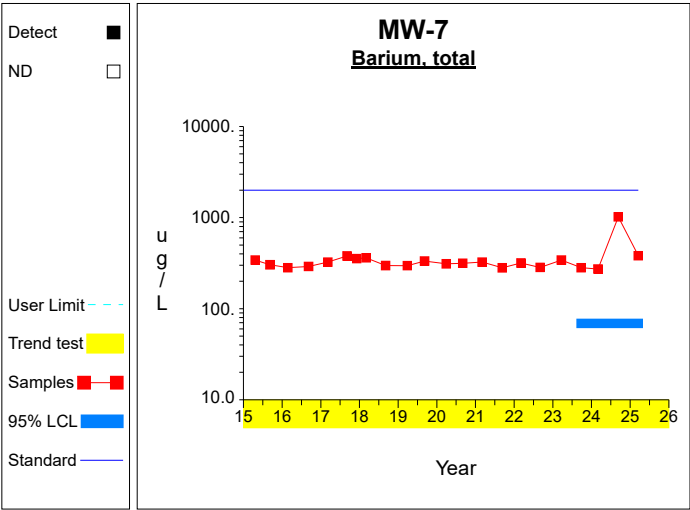


Graph 36

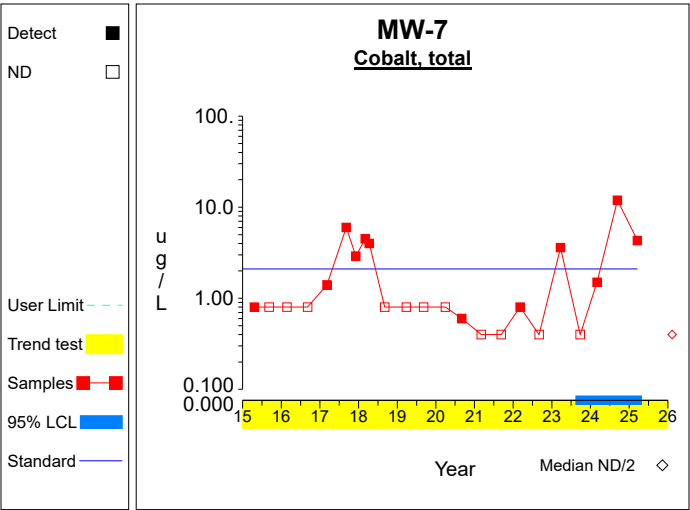
Confidence Limits (Assessment)



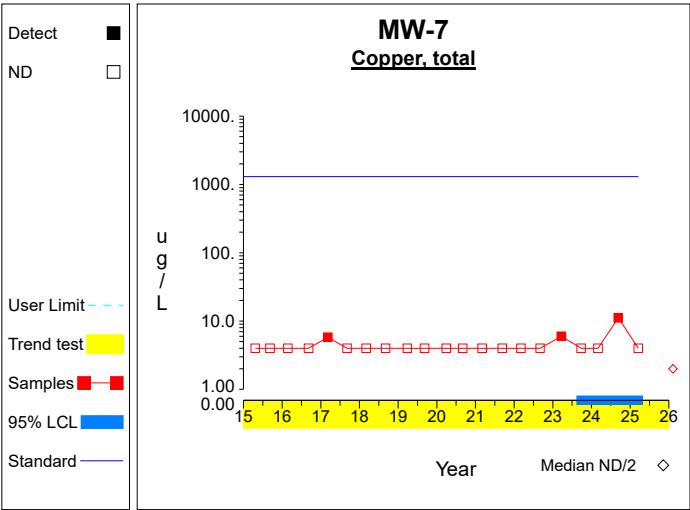
Graph 37



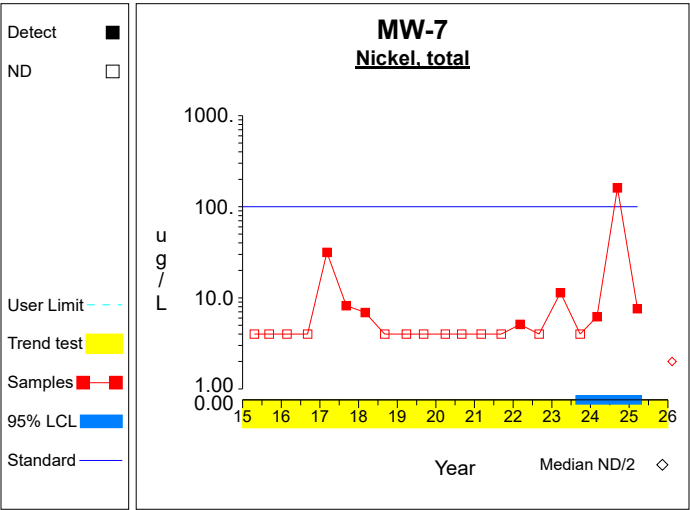
Graph 38



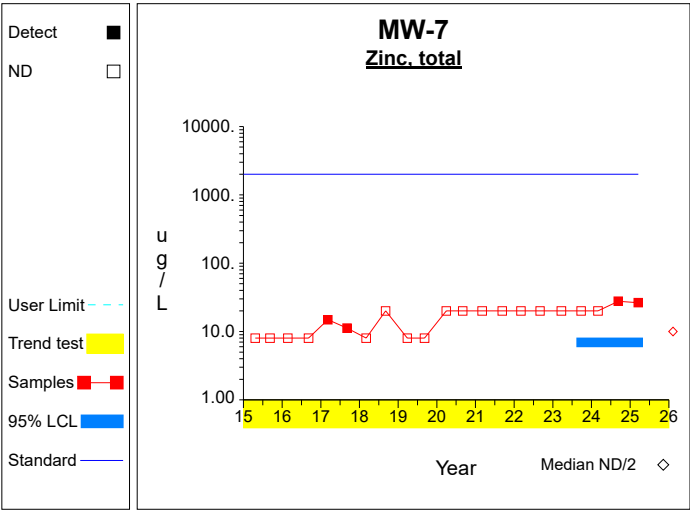
Graph 39



Graph 40

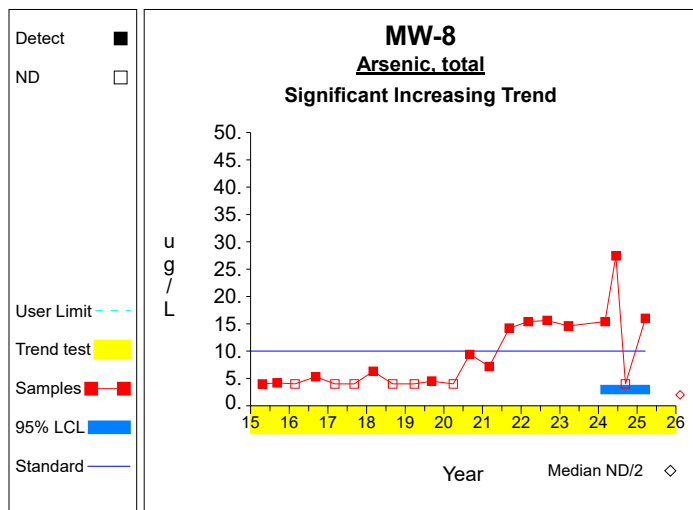


Graph 41

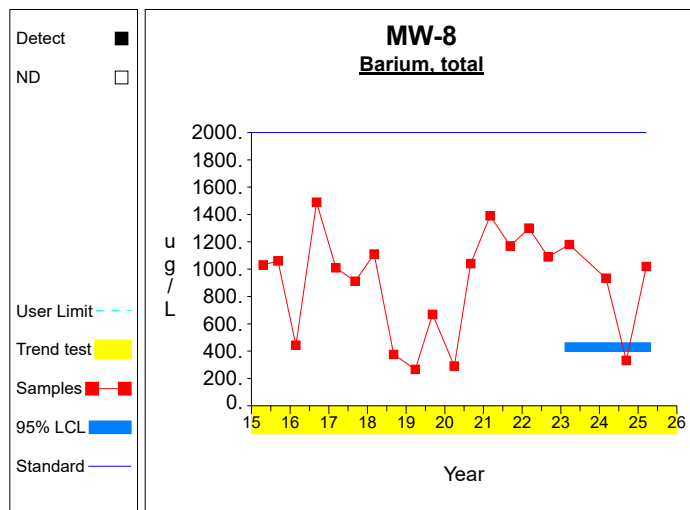


Graph 42

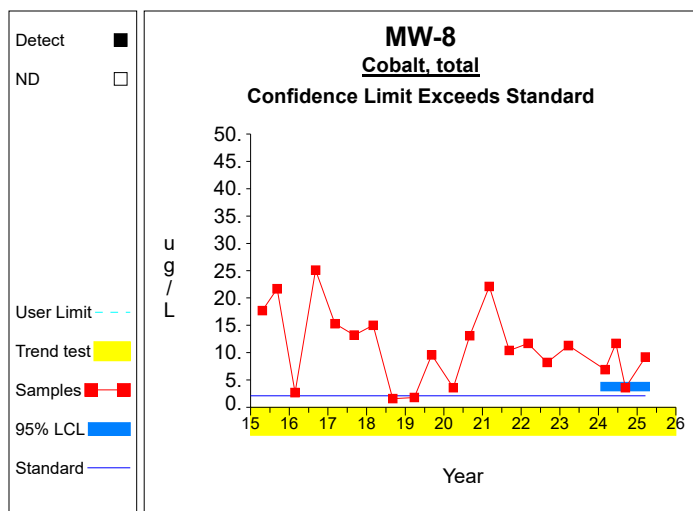
Confidence Limits (Assessment)



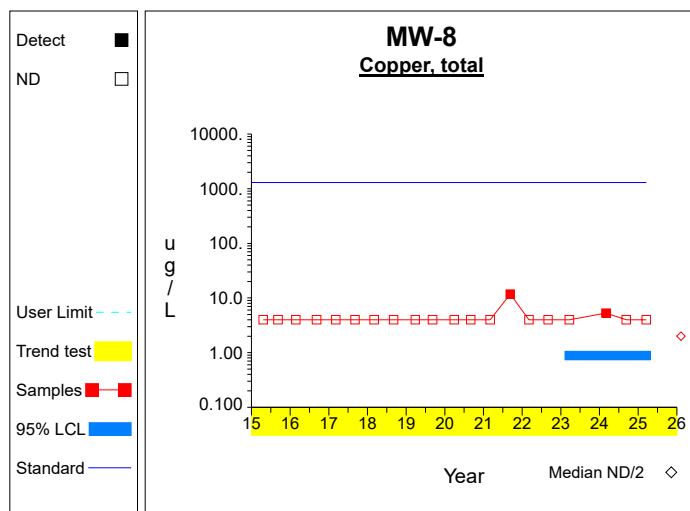
Graph 43



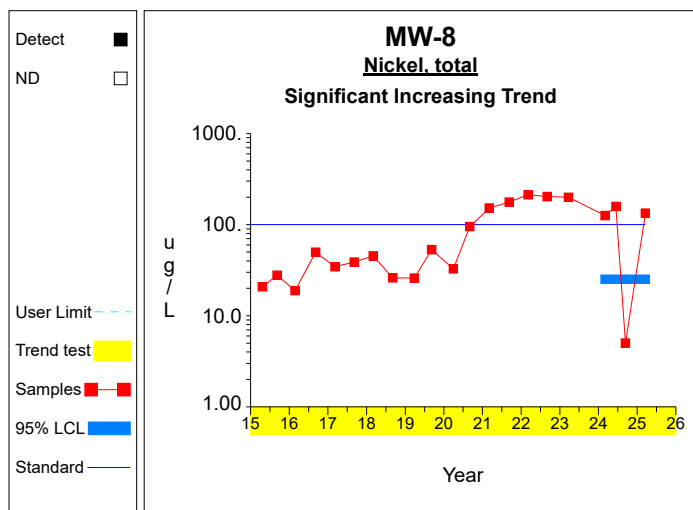
Graph 44



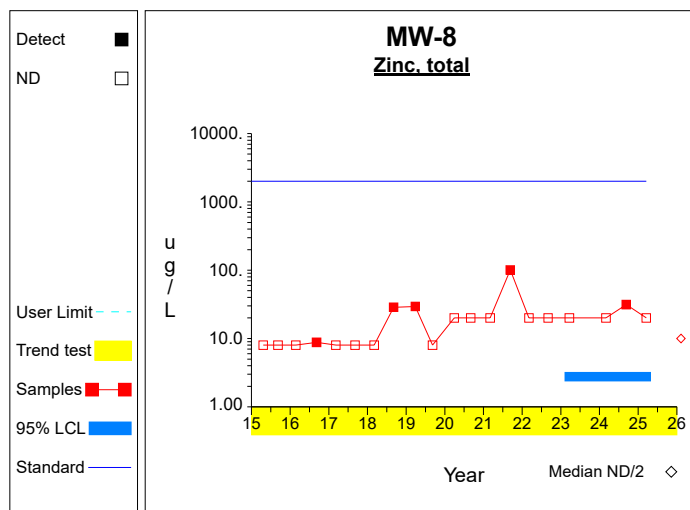
Graph 45



Graph 46



Graph 47



Graph 48

Attachment C

Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Acetone	MW-11	9/05/2017		20.6	10.0	ug/L
4-methyl-2-pentanone (mibk)	MW-20	9/08/2015		9.7	5.0	ug/L
Tetrachloroethylene	MW-20	3/01/2024		2.4	1.0	ug/L
1,1-dichloroethane	MW-21	3/20/2009		3.0	1.0	ug/L
1,1-dichloroethane	MW-21	6/15/2009		3.0	1.0	ug/L
1,1-dichloroethane	MW-21	7/13/2009		2.6	1.0	ug/L
1,1-dichloroethane	MW-21	9/02/2009		1.8	1.0	ug/L
1,1-dichloroethane	MW-21	3/24/2010		2.4	1.0	ug/L
1,1-dichloroethane	MW-21	3/24/2010		2.4	1.0	ug/L
1,1-dichloroethane	MW-21	6/10/2010		1.6	1.0	ug/L
1,1-dichloroethane	MW-21	6/10/2010		1.6	1.0	ug/L
1,1-dichloroethane	MW-21	10/20/2010		1.7	1.0	ug/L
1,1-dichloroethane	MW-21	9/12/2011		1.5	1.0	ug/L
1,1-dichloroethane	MW-21	9/12/2011		1.5	1.0	ug/L
1,1-dichloroethane	MW-21	3/15/2012		2.8	1.0	ug/L
1,1-dichloroethane	MW-21	9/04/2012		4.6	1.0	ug/L
1,1-dichloroethane	MW-21	9/11/2013		2.5	1.0	ug/L
1,1-dichloroethane	MW-21	4/11/2014		1.6	1.0	ug/L
1,1-dichloroethane	MW-21	9/22/2014		1.7	1.0	ug/L
1,1-dichloroethane	MW-21	4/21/2015		3.0	1.0	ug/L
1,1-dichloroethane	MW-21	2/25/2016		1.0	1.0	ug/L
1,1-dichloroethane	MW-21	9/06/2016		3.0	1.0	ug/L
1,1-dichloroethane	MW-21	3/06/2017		2.7	1.0	ug/L
1,1-dichloroethane	MW-21	9/05/2017		2.4	1.0	ug/L
1,1-dichloroethane	MW-21	3/02/2018		4.3	1.0	ug/L
1,1-dichloroethane	MW-21	3/27/2019		2.5	1.0	ug/L
1,1-dichloroethane	MW-21	9/26/2023		5.0	1.0	ug/L
1,1-dichloroethane	MW-21	3/01/2024		3.3	1.0	ug/L
1,1-dichloroethane	MW-21	9/11/2024		2.5	1.0	ug/L
1,1-dichloroethane	MW-21	3/17/2025		2.7	1.0	ug/L
Acetone	MW-21	9/05/2017		17	10	ug/L
Dichlorodifluoromethane	MW-21	9/11/2013		2.2	1.0	ug/L
Dichlorodifluoromethane	MW-21	9/06/2016		2.8	1.0	ug/L
Dichlorodifluoromethane	MW-21	3/06/2017		1.3	1.0	ug/L
Dichlorodifluoromethane	MW-21	9/05/2017		1.2	1.0	ug/L
Dichlorodifluoromethane	MW-21	3/02/2018		3.1	1.0	ug/L
Dichlorodifluoromethane	MW-21	3/01/2024		2.0	1.0	ug/L
1,1-dichloroethane	MW-22	3/20/2009		2.2	1.0	ug/L
1,1-dichloroethane	MW-22	7/13/2009		1.8	1.0	ug/L
1,1-dichloroethane	MW-22	9/02/2009		1.9	1.0	ug/L
1,1-dichloroethane	MW-22	3/24/2010		1.5	1.0	ug/L
1,1-dichloroethane	MW-22	6/10/2010		1.1	1.0	ug/L
1,1-dichloroethane	MW-22	10/20/2010		1.6	1.0	ug/L
1,1-dichloroethane	MW-22	3/14/2011		1.2	1.0	ug/L
1,1-dichloroethane	MW-22	9/12/2011		1.4	1.0	ug/L
1,1-dichloroethane	MW-22	3/15/2012		2.0	1.0	ug/L
1,1-dichloroethane	MW-22	9/04/2012		2.0	1.0	ug/L
1,1-dichloroethane	MW-22	4/03/2013		1.1	1.0	ug/L
1,1-dichloroethane	MW-22	9/11/2013		1.3	1.0	ug/L
1,1-dichloroethane	MW-22	4/11/2014		1.9	1.0	ug/L
1,1-dichloroethane	MW-22	9/22/2014		1.3	1.0	ug/L
1,1-dichloroethane	MW-22	4/21/2015		1.5	1.0	ug/L
1,1-dichloroethane	MW-22	9/08/2015		1.9	1.0	ug/L
1,1-dichloroethane	MW-22	2/25/2016		1.7	1.0	ug/L
1,1-dichloroethane	MW-22	9/06/2016		1.9	1.0	ug/L
1,1-dichloroethane	MW-22	3/06/2017		2.4	1.0	ug/L
1,1-dichloroethane	MW-22	9/05/2017		2.0	1.0	ug/L
1,1-dichloroethane	MW-22	3/02/2018		2.2	1.0	ug/L
1,1-dichloroethane	MW-22	3/27/2019		1.9	1.0	ug/L
4,4'-ddt	MW-22	4/03/2013		22.70	.05	ug/L
Acetone	MW-22	9/05/2017		17.9	10.0	ug/L
Cis-1,2-dichloroethylene	MW-22	9/02/2009		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22	3/24/2010		4.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22	9/16/2010		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22	3/14/2011		5.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22	9/12/2011		5.5	1.0	ug/L
Dieldrin	MW-22	4/03/2013		17.00	.05	ug/L
Endrin	MW-22	4/03/2013		16.60	.05	ug/L
Heptachlor epoxide	MW-22	4/03/2013		18.80	.05	ug/L
Hexachlorobenzene	MW-22	4/03/2013		15.50	.05	ug/L
Methoxychlor	MW-22	4/03/2013		50.40	.05	ug/L
Trichloroethylene	MW-22	9/02/2009		2.7	1.0	ug/L
1,1-dichloroethane	MW-23	9/04/2012		1.2	1.0	ug/L
Acetone	MW-23	9/05/2017		13	10	ug/L
Bis(2-ethylhexyl)phthalate	MW-23	4/11/2014		9	8	ug/L
Bis(2-ethylhexyl)phthalate	MW-23	3/27/2019		64	6	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	MW-23	3/17/2025		1	1	ug/L
Tetrachloroethylene	MW-23	3/20/2009		2.2	1.0	ug/L
Tetrachloroethylene	MW-23	9/02/2009		2.8	1.0	ug/L
Tetrachloroethylene	MW-23	3/24/2010		2.1	1.0	ug/L
Tetrachloroethylene	MW-23	6/10/2010		2.5	1.0	ug/L
Tetrachloroethylene	MW-23	6/10/2010		3.7	1.0	ug/L
Tetrachloroethylene	MW-23	9/16/2010		2.1	1.0	ug/L
Tetrachloroethylene	MW-23	3/14/2011		3.7	1.0	ug/L
Tetrachloroethylene	MW-23	9/12/2011		3.2	1.0	ug/L
Tetrachloroethylene	MW-23	3/15/2012		4.3	1.0	ug/L
Tetrachloroethylene	MW-23	9/04/2012		3.8	1.0	ug/L
Tetrachloroethylene	MW-23	4/03/2013		3.0	1.0	ug/L
Tetrachloroethylene	MW-23	9/11/2013		2.9	1.0	ug/L
Tetrachloroethylene	MW-23	4/11/2014		3.7	1.0	ug/L
Tetrachloroethylene	MW-23	9/22/2014		2.9	1.0	ug/L
Tetrachloroethylene	MW-23	4/21/2015		4.0	1.0	ug/L
Tetrachloroethylene	MW-23	9/08/2015		2.3	1.0	ug/L
Tetrachloroethylene	MW-23	2/25/2016		3.9	1.0	ug/L
Tetrachloroethylene	MW-23	9/06/2016		2.6	1.0	ug/L
Tetrachloroethylene	MW-23	3/06/2017		4.9	1.0	ug/L
Tetrachloroethylene	MW-23	9/05/2017		3.7	1.0	ug/L
Tetrachloroethylene	MW-23	3/02/2018		5.0	1.0	ug/L
Tetrachloroethylene	MW-23	9/04/2018		4.0	1.0	ug/L
Tetrachloroethylene	MW-23	3/27/2019		3.2	1.0	ug/L
Tetrachloroethylene	MW-23	9/07/2019		3.9	1.0	ug/L
Tetrachloroethylene	MW-23	3/30/2020		2.4	1.0	ug/L
Tetrachloroethylene	MW-23	9/01/2020		2.7	1.0	ug/L
Tetrachloroethylene	MW-23	3/03/2021		2.7	1.0	ug/L
Tetrachloroethylene	MW-23	9/10/2021		3.6	1.0	ug/L
Tetrachloroethylene	MW-23	3/04/2022		3.8	1.0	ug/L
Tetrachloroethylene	MW-23	3/21/2023		2.4	1.0	ug/L
Trichloroethylene	MW-23	9/04/2012		1.4	1.0	ug/L
Bis(2-ethylhexyl)phthalate	MW-24	6/15/2017		7	6	ug/L
Cis-1,2-dichloroethylene	MW-24	10/12/2016		3.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/06/2017		4.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	6/15/2017		2.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/02/2018		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	9/04/2018		3.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/27/2019		3.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	9/07/2019		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/30/2020		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	9/01/2020		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/03/2021		3.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	9/10/2021		3.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/04/2022		3.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	9/02/2022		2.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/21/2023		2.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	9/26/2023		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/01/2024		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	9/11/2024		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/17/2025		2.7	1.0	ug/L
Dichlorodifluoromethane	MW-24	3/21/2023		1	1	ug/L
Trans-1,2-dichloroethylene	MW-24	3/02/2018		3.7	1.0	ug/L
1,1-dichloropropene	MW-25	9/10/2021		4.5	1.0	ug/L
Acetone	MW-25	9/05/2017		15.5	10.0	ug/L
Bis(2-ethylhexyl)phthalate	MW-25	9/01/2020		6	6	ug/L
Bis(2-ethylhexyl)phthalate	MW-25	9/10/2021		9	6	ug/L
1,1-dichloroethane	MW-3	3/20/2009		4.3	1.0	ug/L
1,1-dichloroethane	MW-3	6/15/2009		4.9	1.0	ug/L
1,1-dichloroethane	MW-3	7/13/2009		4.9	1.0	ug/L
1,1-dichloroethane	MW-3	9/02/2009		4.5	1.0	ug/L
1,1-dichloroethane	MW-3	3/24/2010		9.2	1.0	ug/L
1,1-dichloroethane	MW-3	3/24/2010		3.6	1.0	ug/L
1,1-dichloroethane	MW-3	6/10/2010		7.4	1.0	ug/L
1,1-dichloroethane	MW-3	6/10/2010		3.5	1.0	ug/L
1,1-dichloroethane	MW-3	9/16/2010		4.2	1.0	ug/L
1,1-dichloroethane	MW-3	9/16/2010		10.1	1.0	ug/L
1,1-dichloroethane	MW-3	10/20/2010		4.4	1.0	ug/L
1,1-dichloroethane	MW-3	3/14/2011		9.5	1.0	ug/L
1,1-dichloroethane	MW-3	9/12/2011		13.3	1.0	ug/L
1,1-dichloroethane	MW-3	3/15/2012		9.0	1.0	ug/L
1,1-dichloroethane	MW-3	9/04/2012		9.7	1.0	ug/L
1,1-dichloroethane	MW-3	4/03/2013		8.5	1.0	ug/L
1,1-dichloroethane	MW-3	9/11/2013		8.1	1.0	ug/L
1,1-dichloroethane	MW-3	4/11/2014		8.0	1.0	ug/L
1,1-dichloroethane	MW-3	9/22/2014		6.5	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	MW-3	4/21/2015		7.2	1.0	ug/L
1,1-dichloroethane	MW-3	9/08/2015		7.6	1.0	ug/L
1,1-dichloroethane	MW-3	2/25/2016		6.0	1.0	ug/L
1,1-dichloroethane	MW-3	9/06/2016		7.6	1.0	ug/L
1,1-dichloroethane	MW-3	3/06/2017		8.0	1.0	ug/L
1,1-dichloroethane	MW-3	9/05/2017		8.5	1.0	ug/L
1,1-dichloroethane	MW-3	3/02/2018		8.1	1.0	ug/L
1,1-dichloroethane	MW-3	9/04/2018		6.9	1.0	ug/L
1,1-dichloroethane	MW-3	3/27/2019		7.6	1.0	ug/L
1,1-dichloroethane	MW-3	9/07/2019		5.5	1.0	ug/L
1,1-dichloroethane	MW-3	3/30/2020		5.9	1.0	ug/L
1,1-dichloroethane	MW-3	9/01/2020		7.4	1.0	ug/L
1,1-dichloroethane	MW-3	3/03/2021		7.2	1.0	ug/L
1,1-dichloroethane	MW-3	9/10/2021		6.4	1.0	ug/L
1,1-dichloroethane	MW-3	3/04/2022		7.5	1.0	ug/L
1,1-dichloroethane	MW-3	9/02/2022		6.3	1.0	ug/L
1,1-dichloroethane	MW-3	3/21/2023		6.5	1.0	ug/L
1,2-dichlorobenzene	MW-3	9/04/2012		1.3	1.0	ug/L
1,2-dichlorobenzene	MW-3	4/03/2013		1.4	1.0	ug/L
1,2-dichlorobenzene	MW-3	9/11/2013		1.5	1.0	ug/L
1,2-dichlorobenzene	MW-3	4/11/2014		1.1	1.0	ug/L
1,2-dichlorobenzene	MW-3	9/22/2014		1.5	1.0	ug/L
1,2-dichlorobenzene	MW-3	3/06/2017		1.2	1.0	ug/L
1,2-dichlorobenzene	MW-3	9/05/2017		1.0	1.0	ug/L
1,2-dichlorobenzene	MW-3	3/03/2021		1.0	1.0	ug/L
1,2-dichlorobenzene	MW-3	3/04/2022		1.0	1.0	ug/L
1,2-dichlorobenzene	MW-3	9/02/2022		1.0	1.0	ug/L
1,2-dichlorobenzene	MW-3	3/21/2023		1.3	1.0	ug/L
1,2-dichloroethane	MW-3	3/20/2009		4.3	1.0	ug/L
1,2-dichloroethane	MW-3	6/15/2009		4.9	1.0	ug/L
1,2-dichloroethane	MW-3	7/13/2009		4.9	1.0	ug/L
1,2-dichloroethane	MW-3	9/02/2009		4.5	1.0	ug/L
1,2-dichloroethane	MW-3	3/24/2010		3.6	1.0	ug/L
1,2-dichloroethane	MW-3	3/24/2010		3.6	.4	ug/L
1,2-dichloroethane	MW-3	6/10/2010		3.5	1.0	ug/L
1,2-dichloroethane	MW-3	6/10/2010		3.5	.4	ug/L
1,2-dichloroethane	MW-3	9/16/2010		4.2	1.0	ug/L
1,2-dichloroethane	MW-3	9/16/2010		4.2	.4	ug/L
1,2-dichloroethane	MW-3	10/20/2010		4.4	1.0	ug/L
1,2-dichloroethane	MW-3	3/14/2011		4.0	.4	ug/L
1,2-dichloroethane	MW-3	3/14/2011		4.0	1.0	ug/L
1,2-dichloroethane	MW-3	9/12/2011		4.4	.4	ug/L
1,2-dichloroethane	MW-3	9/12/2011		4.4	1.0	ug/L
1,2-dichloroethane	MW-3	3/15/2012		3.6	.4	ug/L
1,2-dichloroethane	MW-3	9/04/2012		3.3	1.0	ug/L
1,2-dichloroethane	MW-3	4/03/2013		2.9	1.0	ug/L
1,2-dichloroethane	MW-3	9/11/2013		2.3	1.0	ug/L
1,2-dichloroethane	MW-3	4/11/2014		2.7	1.0	ug/L
1,2-dichloroethane	MW-3	9/22/2014		2.6	1.0	ug/L
1,2-dichloroethane	MW-3	4/21/2015		2.4	1.0	ug/L
1,2-dichloroethane	MW-3	9/08/2015		2.6	1.0	ug/L
1,2-dichloroethane	MW-3	2/25/2016		2.4	1.0	ug/L
1,2-dichloroethane	MW-3	9/06/2016		2.8	1.0	ug/L
1,2-dichloroethane	MW-3	3/06/2017		2.9	1.0	ug/L
1,2-dichloroethane	MW-3	9/05/2017		3.2	1.0	ug/L
1,2-dichloroethane	MW-3	3/02/2018		3.0	1.0	ug/L
1,2-dichloroethane	MW-3	9/04/2018		1.4	1.0	ug/L
1,2-dichloroethane	MW-3	3/27/2019		2.6	1.0	ug/L
1,2-dichloroethane	MW-3	9/01/2020		2.5	1.0	ug/L
1,2-dichloroethane	MW-3	3/03/2021		2.3	1.0	ug/L
1,2-dichloroethane	MW-3	9/10/2021		2.6	1.0	ug/L
1,2-dichloroethane	MW-3	3/04/2022		2.1	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/20/2009		5.8	1.0	ug/L
1,4-dichlorobenzene	MW-3	6/15/2009		3.4	1.0	ug/L
1,4-dichlorobenzene	MW-3	7/13/2009		4.9	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/02/2009		4.2	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/24/2010		10.8	1.0	ug/L
1,4-dichlorobenzene	MW-3	6/10/2010		5.0	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/16/2010		5.8	1.0	ug/L
1,4-dichlorobenzene	MW-3	10/20/2010		2.9	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/14/2011		9.3	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/12/2011		8.3	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/15/2012		6.5	1.0	ug/L
1,4-dichlorobenzene	MW-3	4/03/2013		20.4	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/11/2013		14.2	1.0	ug/L
1,4-dichlorobenzene	MW-3	4/11/2014		10.2	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,4-dichlorobenzene	MW-3	9/22/2014		11.5	1.0	ug/L
1,4-dichlorobenzene	MW-3	4/21/2015		5.7	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/08/2015		8.2	1.0	ug/L
1,4-dichlorobenzene	MW-3	2/25/2016		3.2	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/06/2016		6.5	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/06/2017		7.6	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/05/2017		8.1	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/02/2018		2.7	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/04/2018		3.7	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/07/2019		11.7	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/01/2020		15.6	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/03/2021		12.7	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/10/2021		8.3	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/04/2022		11.8	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/02/2022		11.3	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/21/2023		6.9	1.0	ug/L
Benzene	MW-3	3/20/2009		1.2	1.0	ug/L
Benzene	MW-3	9/12/2011		1.1	1.0	ug/L
Benzene	MW-3	4/03/2013		1.3	1.0	ug/L
Chlorobenzene	MW-3	9/04/2012		1.5	1.0	ug/L
Chlorobenzene	MW-3	4/03/2013		2.2	1.0	ug/L
Chlorobenzene	MW-3	9/11/2013		1.9	1.0	ug/L
Chlorobenzene	MW-3	4/11/2014		1.5	1.0	ug/L
Chlorobenzene	MW-3	9/22/2014		1.5	1.0	ug/L
Chlorobenzene	MW-3	9/08/2015		1.2	1.0	ug/L
Chlorobenzene	MW-3	3/06/2017		1.5	1.0	ug/L
Chlorobenzene	MW-3	9/05/2017		1.3	1.0	ug/L
Chlorobenzene	MW-3	3/02/2018		1.0	1.0	ug/L
Chlorobenzene	MW-3	9/04/2018		1.1	1.0	ug/L
Chlorobenzene	MW-3	3/27/2019		1.3	1.0	ug/L
Chlorobenzene	MW-3	9/01/2020		1.7	1.0	ug/L
Chlorobenzene	MW-3	3/03/2021		2.0	1.0	ug/L
Chlorobenzene	MW-3	9/10/2021		1.9	1.0	ug/L
Chlorobenzene	MW-3	3/04/2022		2.0	1.0	ug/L
Chlorobenzene	MW-3	9/02/2022		1.6	1.0	ug/L
Chlorobenzene	MW-3	3/21/2023		2.7	1.0	ug/L
Chloroethane	MW-3	4/03/2013		1.3	1.0	ug/L
Chloroethane	MW-3	4/11/2014		1.0	1.0	ug/L
Chloroethane	MW-3	9/22/2014		1.0	1.0	ug/L
Chloroethane	MW-3	9/01/2020		1.1	1.0	ug/L
Chloroethane	MW-3	3/03/2021		1.2	1.0	ug/L
Chloroethane	MW-3	3/04/2022		1.2	1.0	ug/L
Chloroethane	MW-3	3/21/2023		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/02/2009		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/24/2010		4.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/16/2010		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/14/2011		5.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/12/2011		5.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/15/2012		4.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/04/2012		4.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	4/03/2013		4.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/11/2013		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	4/11/2014		3.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/22/2014		3.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	4/21/2015		3.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/08/2015		3.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	2/25/2016		2.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/06/2016		3.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/06/2017		3.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/05/2017		3.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/02/2018		3.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/04/2018		3.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/27/2019		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/07/2019		2.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/30/2020		1.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/01/2020		2.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/03/2021		3.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/10/2021		2.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/04/2022		3.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/02/2022		2.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/21/2023		2.5	1.0	ug/L
Dichlorodifluoromethane	MW-3	3/20/2009		16.2	1.0	ug/L
Dichlorodifluoromethane	MW-3	6/15/2009		17.3	1.0	ug/L
Dichlorodifluoromethane	MW-3	7/13/2009		15.1	1.0	ug/L
Dichlorodifluoromethane	MW-3	9/02/2009		15.2	1.0	ug/L
Dichlorodifluoromethane	MW-3	3/24/2010		12.8	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Dichlorodifluoromethane	MW-3	6/10/2010		8.1	1.0	ug/L
Dichlorodifluoromethane	MW-3	9/16/2010		17.1	1.0	ug/L
Dichlorodifluoromethane	MW-3	10/20/2010		13.3	1.0	ug/L
Dichlorodifluoromethane	MW-3	3/14/2011		15.8	1.0	ug/L
Dichlorodifluoromethane	MW-3	9/12/2011		16.9	1.0	ug/L
Dichlorodifluoromethane	MW-3	3/15/2012		16.7	1.0	ug/L
Dichlorodifluoromethane	MW-3	4/03/2013		11.3	1.0	ug/L
Dichlorodifluoromethane	MW-3	9/11/2013		10.0	1.0	ug/L
Dichlorodifluoromethane	MW-3	4/11/2014		9.5	1.0	ug/L
Dichlorodifluoromethane	MW-3	9/22/2014		11.2	1.0	ug/L
Dichlorodifluoromethane	MW-3	4/21/2015		7.6	1.0	ug/L
Dichlorodifluoromethane	MW-3	9/08/2015		7.7	1.0	ug/L
Dichlorodifluoromethane	MW-3	2/25/2016		6.1	1.0	ug/L
Dichlorodifluoromethane	MW-3	9/06/2016		8.0	1.0	ug/L
Dichlorodifluoromethane	MW-3	3/06/2017		9.0	1.0	ug/L
Dichlorodifluoromethane	MW-3	9/05/2017		7.6	1.0	ug/L
Dichlorodifluoromethane	MW-3	3/02/2018		5.7	1.0	ug/L
Dichlorodifluoromethane	MW-3	3/27/2019		3.3	1.0	ug/L
Ethylbenzene	MW-3	9/02/2022		6.6	1.0	ug/L
Phorate	MW-3	4/11/2014		.5	.4	ug/L
Phorate	MW-3	9/08/2015		.4	.4	ug/L
Tetrachloroethylene	MW-3	3/20/2009		1.2	1.0	ug/L
Tetrachloroethylene	MW-3	6/15/2009		1.2	1.0	ug/L
Tetrachloroethylene	MW-3	7/13/2009		1.5	1.0	ug/L
Tetrachloroethylene	MW-3	9/02/2009		1.3	1.0	ug/L
Tetrachloroethylene	MW-3	3/24/2010		1.3	1.0	ug/L
Tetrachloroethylene	MW-3	9/16/2010		1.3	1.0	ug/L
Tetrachloroethylene	MW-3	10/20/2010		1.2	1.0	ug/L
Tetrachloroethylene	MW-3	3/14/2011		1.5	1.0	ug/L
Tetrachloroethylene	MW-3	9/12/2011		1.7	1.0	ug/L
Tetrachloroethylene	MW-3	4/03/2013		1.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-3	3/02/2018		3.4	1.0	ug/L
Trichloroethylene	MW-3	3/20/2009		1.6	1.0	ug/L
Trichloroethylene	MW-3	6/15/2009		1.6	1.0	ug/L
Trichloroethylene	MW-3	7/13/2009		1.9	1.0	ug/L
Trichloroethylene	MW-3	9/02/2009		1.6	1.0	ug/L
Trichloroethylene	MW-3	3/24/2010		1.5	1.0	ug/L
Trichloroethylene	MW-3	6/10/2010		1.2	1.0	ug/L
Trichloroethylene	MW-3	9/16/2010		1.6	1.0	ug/L
Trichloroethylene	MW-3	10/20/2010		1.5	1.0	ug/L
Trichloroethylene	MW-3	3/14/2011		1.8	1.0	ug/L
Trichloroethylene	MW-3	9/12/2011		2.4	1.0	ug/L
Trichloroethylene	MW-3	3/15/2012		1.6	1.0	ug/L
Trichloroethylene	MW-3	9/04/2012		1.5	1.0	ug/L
Trichloroethylene	MW-3	4/03/2013		1.4	1.0	ug/L
Trichloroethylene	MW-3	9/11/2013		1.2	1.0	ug/L
Trichloroethylene	MW-3	4/11/2014		1.2	1.0	ug/L
Trichloroethylene	MW-3	9/22/2014		1.2	1.0	ug/L
Trichloroethylene	MW-3	3/06/2017		1.2	1.0	ug/L
Vinyl chloride	MW-3	3/20/2009		1.1	1.0	ug/L
Vinyl chloride	MW-3	7/13/2009		1.2	1.0	ug/L
Vinyl chloride	MW-3	9/02/2009		1.1	1.0	ug/L
Vinyl chloride	MW-3	3/24/2010		1.1	1.0	ug/L
Vinyl chloride	MW-3	9/16/2010		1.4	1.0	ug/L
Vinyl chloride	MW-3	10/20/2010		1.0	1.0	ug/L
Vinyl chloride	MW-3	3/14/2011		1.3	1.0	ug/L
Vinyl chloride	MW-3	9/12/2011		1.8	1.0	ug/L
Vinyl chloride	MW-3	3/15/2012		1.5	1.0	ug/L
Vinyl chloride	MW-3	9/04/2012		1.5	1.0	ug/L
Vinyl chloride	MW-3	4/03/2013		1.4	1.0	ug/L
Vinyl chloride	MW-3	9/11/2013		1.3	1.0	ug/L
Vinyl chloride	MW-3	4/11/2014		1.1	1.0	ug/L
Vinyl chloride	MW-3	9/22/2014		1.4	1.0	ug/L
Vinyl chloride	MW-3	3/06/2017		1.2	1.0	ug/L
Vinyl chloride	MW-3	9/05/2017		1.0	1.0	ug/L
1,1-dichloroethane	MW-5	3/20/2009		1.6	1.0	ug/L
1,1-dichloroethane	MW-5	6/15/2009		1.7	1.0	ug/L
1,1-dichloroethane	MW-5	7/13/2009		1.4	1.0	ug/L
1,1-dichloroethane	MW-5	9/02/2009		1.3	1.0	ug/L
1,1-dichloroethane	MW-5	3/24/2010		1.5	1.0	ug/L
1,1-dichloroethane	MW-5	6/10/2010		2.4	1.0	ug/L
1,1-dichloroethane	MW-5	9/16/2010		1.6	1.0	ug/L
1,1-dichloroethane	MW-5	10/20/2010		2.2	1.0	ug/L
1,1-dichloroethane	MW-5	3/14/2011		1.4	1.0	ug/L
1,1-dichloroethane	MW-5	9/12/2011		3.0	1.0	ug/L
1,1-dichloroethane	MW-5	3/15/2012		1.4	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	MW-5	9/04/2012		3.3	1.0	ug/L
1,1-dichloroethane	MW-5	4/03/2013		2.1	1.0	ug/L
1,1-dichloroethane	MW-5	9/11/2013		2.3	1.0	ug/L
1,1-dichloroethane	MW-5	4/11/2014		1.9	1.0	ug/L
1,1-dichloroethane	MW-5	9/22/2014		1.6	1.0	ug/L
1,1-dichloroethane	MW-5	9/08/2015		1.4	1.0	ug/L
1,1-dichloroethane	MW-5	9/06/2016		4.3	1.0	ug/L
1,1-dichloroethane	MW-5	9/05/2017		1.4	1.0	ug/L
1,1-dichloroethane	MW-5	3/02/2018		1.2	1.0	ug/L
1,1-dichloroethane	MW-5	9/04/2018		1.1	1.0	ug/L
1,1-dichloroethane	MW-5	3/03/2021		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-5	3/20/2009		2.1	1.0	ug/L
1,4-dichlorobenzene	MW-5	6/15/2009		2.2	1.0	ug/L
1,4-dichlorobenzene	MW-5	7/13/2009		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/02/2009		2.5	1.0	ug/L
1,4-dichlorobenzene	MW-5	3/24/2010		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-5	6/10/2010		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/16/2010		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-5	10/20/2010		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-5	3/14/2011		1.3	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/12/2011		2.5	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/04/2012		2.6	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/11/2013		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/22/2014		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/08/2015		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/06/2016		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/05/2017		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/04/2018		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/07/2019		1.5	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/01/2020		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-5	3/03/2021		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/26/2023		1.2	1.0	ug/L
Acetone	MW-5	9/05/2017		19.6	10.0	ug/L
Benzene	MW-5	3/20/2009		1.0	1.0	ug/L
Benzene	MW-5	6/15/2009		1.1	1.0	ug/L
Benzene	MW-5	7/13/2009		1.1	1.0	ug/L
Benzene	MW-5	9/02/2009		1.2	1.0	ug/L
Benzene	MW-5	3/24/2010		1.1	1.0	ug/L
Benzene	MW-5	6/10/2010		1.1	1.0	ug/L
Benzene	MW-5	10/20/2010		1.2	1.0	ug/L
Benzene	MW-5	9/12/2011		1.2	1.0	ug/L
Benzene	MW-5	9/04/2012		1.2	1.0	ug/L
Benzene	MW-5	3/03/2021		1.2	1.0	ug/L
Bis(2-ethylhexyl)phthalate	MW-5	3/27/2019		76	6	ug/L
Bis(2-ethylhexyl)phthalate	MW-5	3/01/2024		13	6	ug/L
Chlorobenzene	MW-5	3/20/2009		6.0	1.0	ug/L
Chlorobenzene	MW-5	6/15/2009		6.4	1.0	ug/L
Chlorobenzene	MW-5	7/13/2009		7.7	1.0	ug/L
Chlorobenzene	MW-5	9/02/2009		6.9	1.0	ug/L
Chlorobenzene	MW-5	3/24/2010		5.9	1.0	ug/L
Chlorobenzene	MW-5	6/10/2010		5.0	1.0	ug/L
Chlorobenzene	MW-5	9/16/2010		4.0	1.0	ug/L
Chlorobenzene	MW-5	10/20/2010		5.5	1.0	ug/L
Chlorobenzene	MW-5	3/14/2011		2.9	1.0	ug/L
Chlorobenzene	MW-5	9/12/2011		4.9	1.0	ug/L
Chlorobenzene	MW-5	9/12/2011		4.9	1.0	ug/L
Chlorobenzene	MW-5	3/15/2012		2.8	1.0	ug/L
Chlorobenzene	MW-5	9/04/2012		6.9	1.0	ug/L
Chlorobenzene	MW-5	4/03/2013		1.7	1.0	ug/L
Chlorobenzene	MW-5	9/11/2013		3.9	1.0	ug/L
Chlorobenzene	MW-5	9/22/2014		2.8	1.0	ug/L
Chlorobenzene	MW-5	9/08/2015		4.0	1.0	ug/L
Chlorobenzene	MW-5	9/06/2016		4.4	1.0	ug/L
Chlorobenzene	MW-5	3/06/2017		1.1	1.0	ug/L
Chlorobenzene	MW-5	9/05/2017		5.3	1.0	ug/L
Chlorobenzene	MW-5	3/02/2018		2.6	1.0	ug/L
Chlorobenzene	MW-5	9/04/2018		4.8	1.0	ug/L
Chlorobenzene	MW-5	3/27/2019		3.0	1.0	ug/L
Chlorobenzene	MW-5	9/07/2019		3.4	1.0	ug/L
Chlorobenzene	MW-5	9/01/2020		5.3	1.0	ug/L
Chlorobenzene	MW-5	3/03/2021		6.4	1.0	ug/L
Chlorobenzene	MW-5	9/10/2021		2.5	1.0	ug/L
Chlorobenzene	MW-5	3/04/2022		1.3	1.0	ug/L
Chlorobenzene	MW-5	9/02/2022		1.5	1.0	ug/L
Chlorobenzene	MW-5	3/21/2023		1.2	1.0	ug/L
Chlorobenzene	MW-5	9/26/2023		3.9	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chlorobenzene	MW-5	3/17/2025		1.8	1.0	ug/L
Chloroethane	MW-5	3/20/2009		3.3	1.0	ug/L
Chloroethane	MW-5	6/15/2009		3.6	1.0	ug/L
Chloroethane	MW-5	7/13/2009		3.4	1.0	ug/L
Chloroethane	MW-5	9/02/2009		3.3	1.0	ug/L
Chloroethane	MW-5	3/24/2010		2.2	1.0	ug/L
Chloroethane	MW-5	6/10/2010		2.2	1.0	ug/L
Chloroethane	MW-5	9/16/2010		1.5	1.0	ug/L
Chloroethane	MW-5	10/20/2010		3.0	1.0	ug/L
Chloroethane	MW-5	3/14/2011		1.8	1.0	ug/L
Chloroethane	MW-5	9/12/2011		2.5	1.0	ug/L
Chloroethane	MW-5	3/15/2012		1.6	1.0	ug/L
Chloroethane	MW-5	9/04/2012		1.8	1.0	ug/L
Chloroethane	MW-5	9/11/2013		1.1	1.0	ug/L
Chloroethane	MW-5	9/22/2014		1.0	1.0	ug/L
Chloroethane	MW-5	3/03/2021		1.0	1.0	ug/L
Bis(2-ethylhexyl)phthalate	MW-6	3/14/2011		24	1	ug/L
Bis(2-ethylhexyl)phthalate	MW-6	3/14/2011		24	8	ug/L
Bis(2-ethylhexyl)phthalate	MW-6	9/11/2013		10	10	ug/L
Bis(2-ethylhexyl)phthalate	MW-6	9/06/2016		12	10	ug/L
Acetone	MW-7	9/05/2017		19.8	10.0	ug/L
Cis-1,2-dichloroethylene	MW-7	9/11/2024		1	1	ug/L
1,1-dichloroethane	MW-8	3/20/2009		8.8	1.0	ug/L
1,1-dichloroethane	MW-8	6/15/2009		9.6	1.0	ug/L
1,1-dichloroethane	MW-8	7/13/2009		9.0	1.0	ug/L
1,1-dichloroethane	MW-8	9/02/2009		8.0	1.0	ug/L
1,1-dichloroethane	MW-8	3/24/2010		6.6	1.0	ug/L
1,1-dichloroethane	MW-8	6/10/2010		7.3	1.0	ug/L
1,1-dichloroethane	MW-8	9/16/2010		7.6	1.0	ug/L
1,1-dichloroethane	MW-8	10/20/2010		8.4	1.0	ug/L
1,1-dichloroethane	MW-8	3/14/2011		7.4	1.0	ug/L
1,1-dichloroethane	MW-8	9/12/2011		9.3	1.0	ug/L
1,1-dichloroethane	MW-8	3/15/2012		5.6	1.0	ug/L
1,1-dichloroethane	MW-8	9/04/2012		5.5	1.0	ug/L
1,1-dichloroethane	MW-8	4/03/2013		5.2	1.0	ug/L
1,1-dichloroethane	MW-8	9/11/2013		6.0	1.0	ug/L
1,1-dichloroethane	MW-8	4/11/2014		6.1	1.0	ug/L
1,1-dichloroethane	MW-8	9/22/2014		5.8	1.0	ug/L
1,1-dichloroethane	MW-8	4/21/2015		6.1	1.0	ug/L
1,1-dichloroethane	MW-8	9/08/2015		2.3	1.0	ug/L
1,1-dichloroethane	MW-8	2/25/2016		4.0	1.0	ug/L
1,1-dichloroethane	MW-8	9/06/2016		4.6	1.0	ug/L
1,1-dichloroethane	MW-8	3/06/2017		4.8	1.0	ug/L
1,1-dichloroethane	MW-8	9/05/2017		2.8	1.0	ug/L
1,1-dichloroethane	MW-8	3/02/2018		4.8	1.0	ug/L
1,1-dichloroethane	MW-8	9/04/2018		2.7	1.0	ug/L
1,1-dichloroethane	MW-8	3/27/2019		1.6	1.0	ug/L
1,1-dichloroethane	MW-8	9/07/2019		2.6	1.0	ug/L
1,1-dichloroethane	MW-8	3/30/2020		2.1	1.0	ug/L
1,1-dichloroethane	MW-8	9/01/2020		3.5	1.0	ug/L
1,1-dichloroethane	MW-8	3/03/2021		5.9	1.0	ug/L
1,1-dichloroethane	MW-8	9/10/2021		3.1	1.0	ug/L
1,1-dichloroethane	MW-8	3/04/2022		3.4	1.0	ug/L
1,1-dichloroethane	MW-8	3/21/2023		1.6	1.0	ug/L
1,1-dichloroethane	MW-8	3/01/2024		1.0	1.0	ug/L
Bis(2-ethylhexyl)phthalate	MW-8	3/27/2019		42	6	ug/L
Bis(2-ethylhexyl)phthalate	MW-8	3/01/2024		21	6	ug/L
Chlorobenzene	MW-8	3/27/2019		1.4	1.0	ug/L
Chlorobenzene	MW-8	3/30/2020		1.0	1.0	ug/L
Chloroethane	MW-8	3/20/2009		2.1	1.0	ug/L
Chloroethane	MW-8	6/15/2009		1.3	1.0	ug/L
Chloroethane	MW-8	7/13/2009		1.2	1.0	ug/L
Chloroethane	MW-8	9/02/2009		1.9	1.0	ug/L
Chloroethane	MW-8	3/24/2010		1.3	1.0	ug/L
Chloroethane	MW-8	6/10/2010		1.4	1.0	ug/L
Chloroethane	MW-8	9/16/2010		1.9	1.0	ug/L
Chloroethane	MW-8	10/20/2010		1.9	1.0	ug/L
Chloroethane	MW-8	3/14/2011		1.4	1.0	ug/L
Chloroethane	MW-8	9/12/2011		1.8	1.0	ug/L
Chloroethane	MW-8	3/15/2012		1.5	1.0	ug/L
Chloroethane	MW-8	9/11/2013		1.4	1.0	ug/L
Chloroethane	MW-8	4/11/2014		1.3	1.0	ug/L
Chloroethane	MW-8	9/22/2014		1.7	1.0	ug/L
Chloroethane	MW-8	4/21/2015		1.7	1.0	ug/L
Chloroethane	MW-8	2/25/2016		1.2	1.0	ug/L
Chloroethane	MW-8	3/06/2017		1.6	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	MW-8	9/05/2017		1.4	1.0	ug/L
Chloroethane	MW-8	3/02/2018		1.5	1.0	ug/L
Chloroethane	MW-8	9/04/2018		1.0	1.0	ug/L
Chloroethane	MW-8	9/01/2020		1.3	1.0	ug/L
Chloroethane	MW-8	3/03/2021		1.1	1.0	ug/L
Chloroethane	MW-8	9/10/2021		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/02/2009		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/24/2010		3.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/24/2010		4.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	6/10/2010		4.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/16/2010		4.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/16/2010		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/14/2011		4.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/14/2011		5.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/12/2011		4.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/15/2012		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/04/2012		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	4/03/2013		2.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/11/2013		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	4/11/2014		3.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/22/2014		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	4/21/2015		3.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	2/25/2016		2.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/06/2016		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/06/2017		2.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/05/2017		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/02/2018		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/04/2018		1.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/27/2019		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/30/2020		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/01/2020		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/03/2021		4.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/10/2021		1.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/04/2022		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/02/2022		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/21/2023		1.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/17/2025		1.3	1.0	ug/L
Dichlorodifluoromethane	MW-8	3/20/2009		1.8	1.0	ug/L
Dichlorodifluoromethane	MW-8	7/13/2009		2.5	1.0	ug/L
Dichlorodifluoromethane	MW-8	9/02/2009		2.2	1.0	ug/L
Dichlorodifluoromethane	MW-8	3/24/2010		1.4	1.0	ug/L
Dichlorodifluoromethane	MW-8	10/20/2010		2.2	1.0	ug/L
Dichlorodifluoromethane	MW-8	3/14/2011		3.0	1.0	ug/L
Dichlorodifluoromethane	MW-8	3/15/2012		1.7	1.0	ug/L
Dichlorodifluoromethane	MW-8	4/03/2013		1.1	1.0	ug/L
Dichlorodifluoromethane	MW-8	9/11/2013		1.3	1.0	ug/L
Dichlorodifluoromethane	MW-8	4/11/2014		1.1	1.0	ug/L
Dichlorodifluoromethane	MW-8	9/22/2014		1.3	1.0	ug/L
Dichlorodifluoromethane	MW-8	4/21/2015		1.6	1.0	ug/L
Dinoseb	MW-8	4/11/2014		.6	.5	ug/L
Trans-1,2-dichloroethylene	MW-8	3/02/2018		2.9	1.0	ug/L
Methane	Sump 2	3/17/2025		30.5	5.0	ug/L

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

Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
1,1-dichloroethane	ug/L	MW-21	4	3.375	1.135	1.176	2.039	4.711	140.000		
1,4-dichlorobenzene	ug/L	MW-21	4	0.500	0.000	1.176	0.500	0.500	75.000		
Chlorobenzene	ug/L	MW-21	4	0.500	0.000	1.176	0.500	0.500	100.000		
Cis-1,2-dichloroethylene	ug/L	MW-21	4	0.500	0.000	1.176	0.500	0.500	70.000		
Dichlorodifluoromethane	ug/L	MW-21	4	1.525	1.266	1.176	0.036	3.014	1000.000		
Tetrachloroethylene	ug/L	MW-21	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,1-dichloroethane	ug/L	MW-23	4	0.500	0.000	1.176	0.500	0.500	140.000		
1,4-dichlorobenzene	ug/L	MW-23	4	0.500	0.000	1.176	0.500	0.500	75.000		
Chlorobenzene	ug/L	MW-23	4	0.500	0.000	1.176	0.500	0.500	100.000		
Cis-1,2-dichloroethylene	ug/L	MW-23	4	0.625	0.250	1.176	0.331	0.919	70.000		
Dichlorodifluoromethane	ug/L	MW-23	4	0.500	0.000	1.176	0.500	0.500	1000.000		
Tetrachloroethylene	ug/L	MW-23	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,1-dichloroethane	ug/L	MW-24	4	0.500	0.000	1.176	0.500	0.500	140.000		
1,4-dichlorobenzene	ug/L	MW-24	4	0.500	0.000	1.176	0.500	0.500	75.000		
Chlorobenzene	ug/L	MW-24	4	0.500	0.000	1.176	0.500	0.500	100.000		
Cis-1,2-dichloroethylene	ug/L	MW-24	4	1.825	0.634	1.176	1.079	2.571	70.000		*
Dichlorodifluoromethane	ug/L	MW-24	3								
Tetrachloroethylene	ug/L	MW-24	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,1-dichloroethane	ug/L	MW-5	4	0.500	0.000	1.176	0.500	0.500	140.000	dec	
1,4-dichlorobenzene	ug/L	MW-5	4	0.675	0.350	1.176	0.263	1.087	75.000		
Chlorobenzene	ug/L	MW-5	4	1.675	1.605	1.176	0.000	3.563	100.000	dec	
Cis-1,2-dichloroethylene	ug/L	MW-5	4	0.500	0.000	1.176	0.500	0.500	70.000		
Dichlorodifluoromethane	ug/L	MW-5	4	0.500	0.000	1.176	0.500	0.500	1000.000		
Tetrachloroethylene	ug/L	MW-5	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,1-dichloroethane	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	140.000		
1,4-dichlorobenzene	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	75.000		
Chlorobenzene	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	100.000		
Cis-1,2-dichloroethylene	ug/L	MW-7	4	0.625	0.250	1.176	0.331	0.919	70.000		
Dichlorodifluoromethane	ug/L	MW-7	3								*
Tetrachloroethylene	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,1-dichloroethane	ug/L	MW-8	4	0.900	0.523	1.176	0.285	1.515	140.000	dec	
1,4-dichlorobenzene	ug/L	MW-8	4	0.500	0.000	1.176	0.500	0.500	75.000		
Chlorobenzene	ug/L	MW-8	4	0.500	0.000	1.176	0.500	0.500	100.000		
Cis-1,2-dichloroethylene	ug/L	MW-8	4	0.900	0.462	1.176	0.357	1.443	70.000	dec	
Dichlorodifluoromethane	ug/L	MW-8	4	0.500	0.000	1.176	0.500	0.500	1000.000		
Tetrachloroethylene	ug/L	MW-8	4	0.500	0.000	1.176	0.500	0.500	5.000		

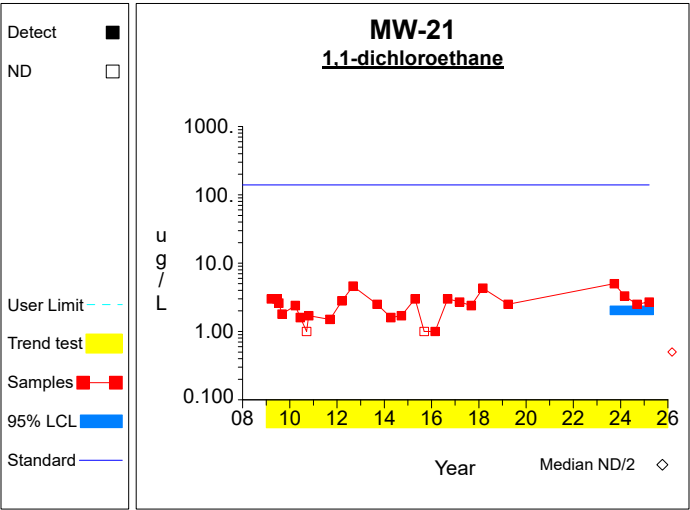
* - Insufficient Data

** - Significant Exceedance

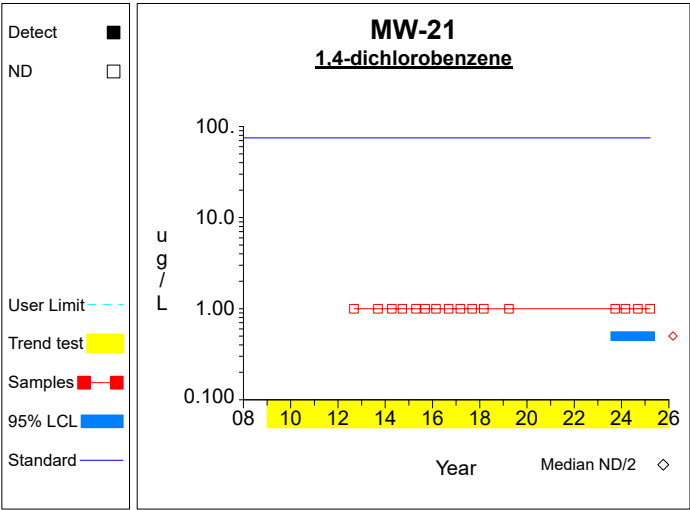
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

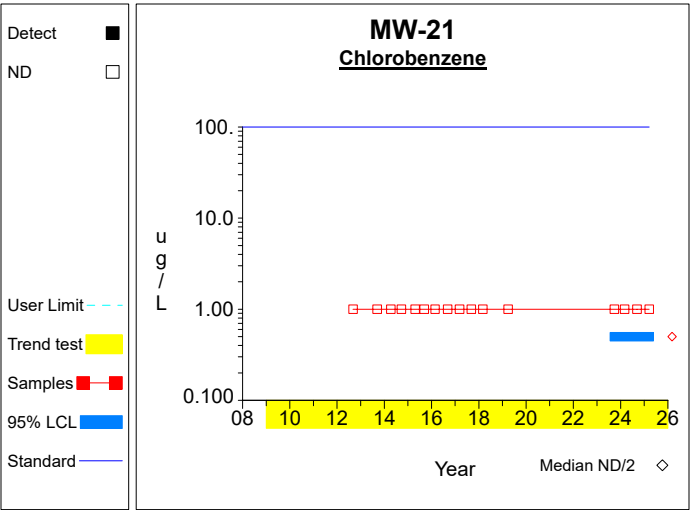
Confidence Limits (Assessment)



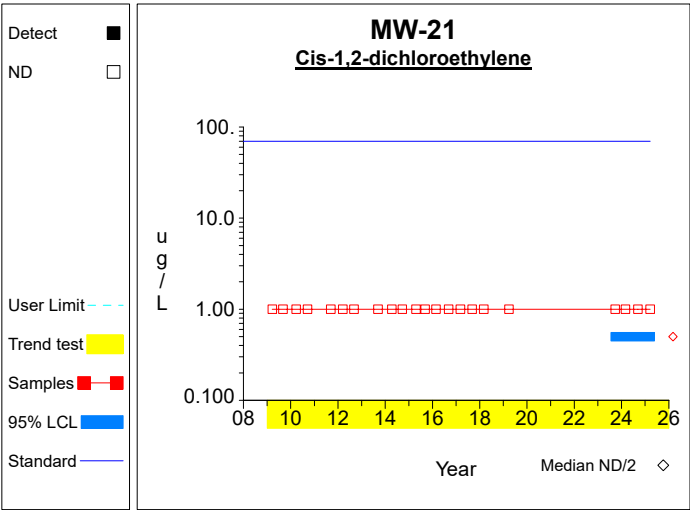
Graph 1



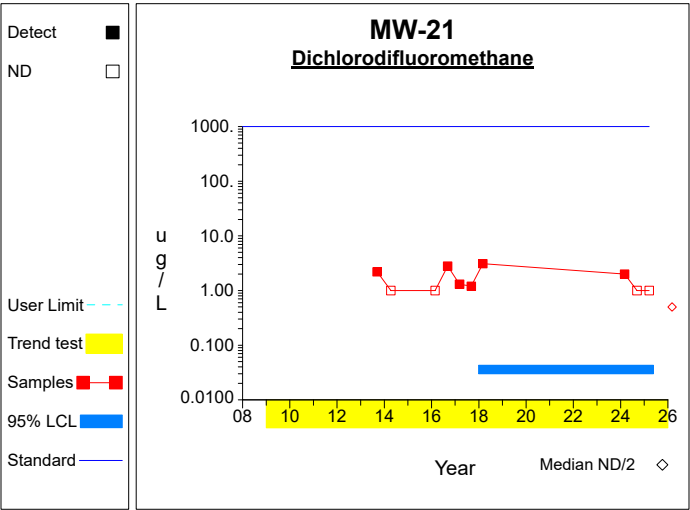
Graph 2



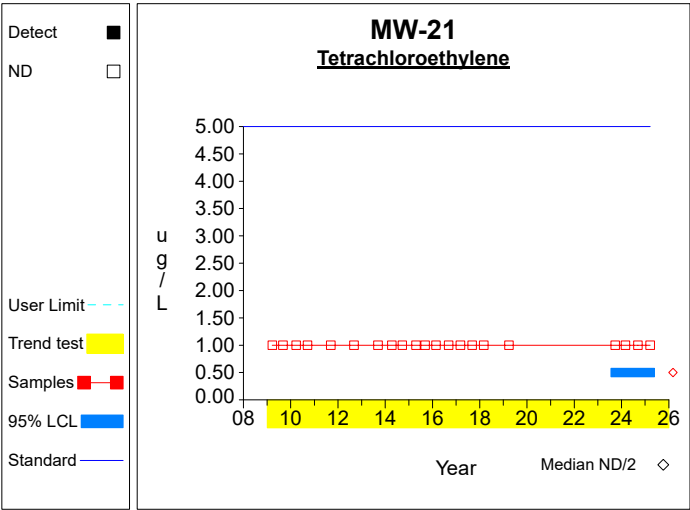
Graph 3



Graph 4

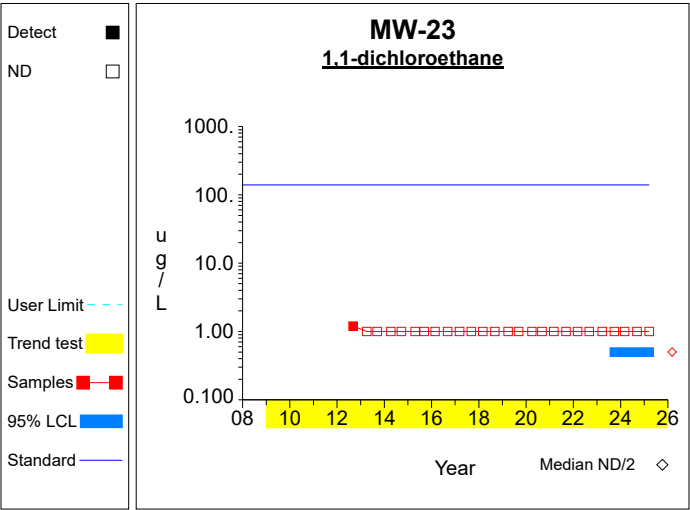


Graph 5

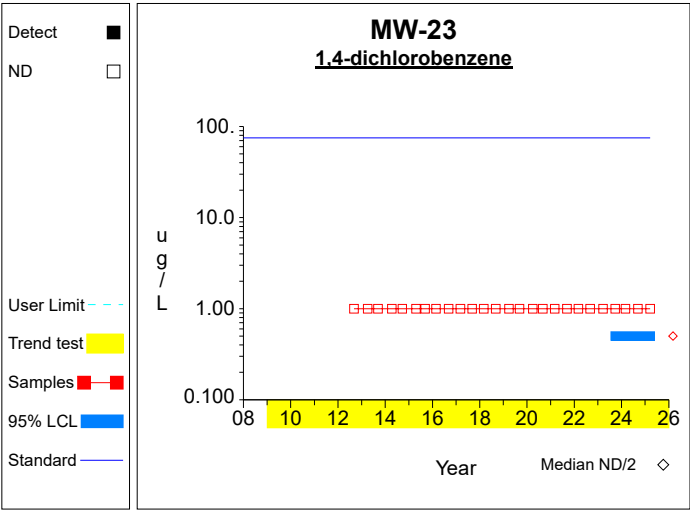


Graph 6

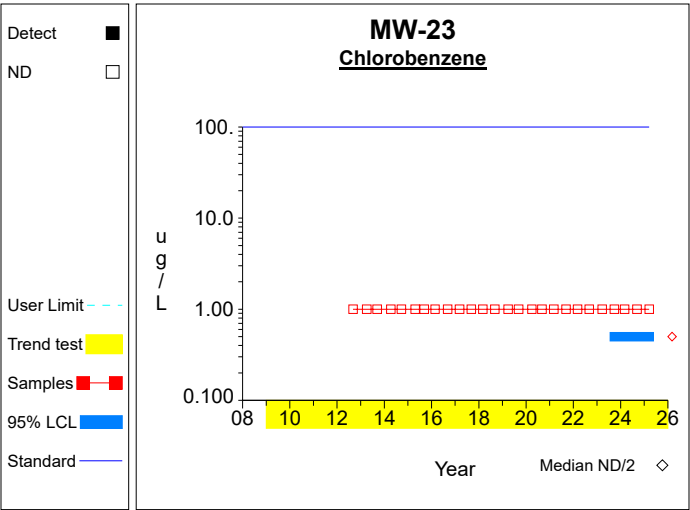
Confidence Limits (Assessment)



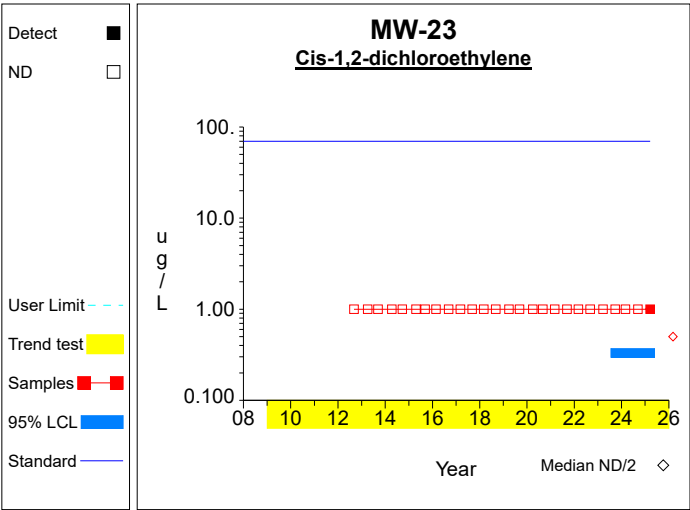
Graph 7



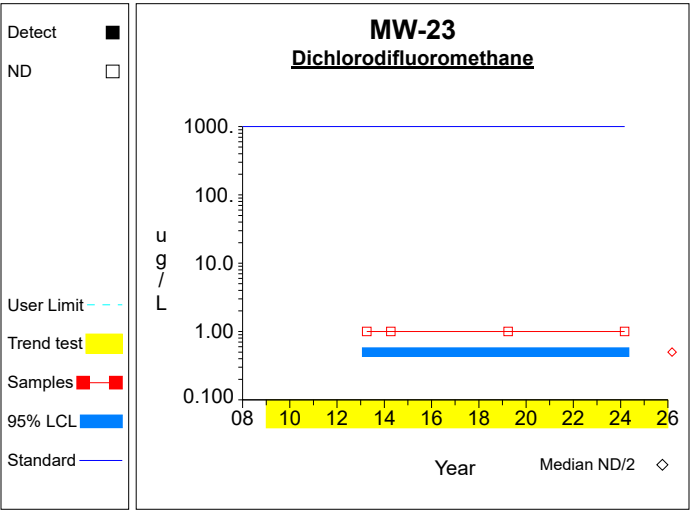
Graph 8



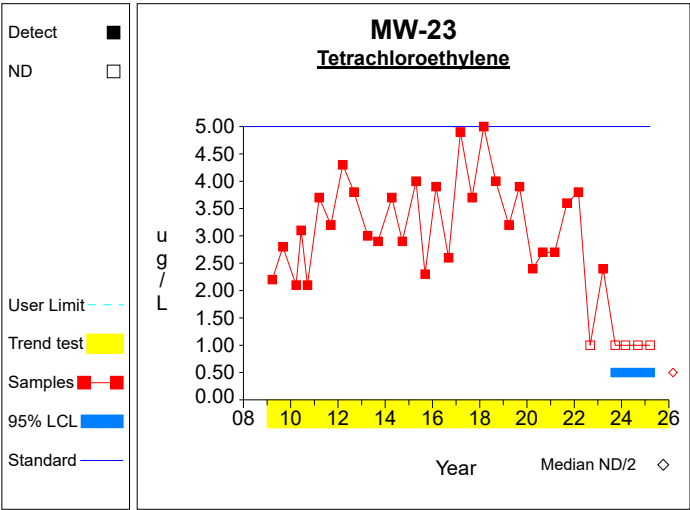
Graph 9



Graph 10

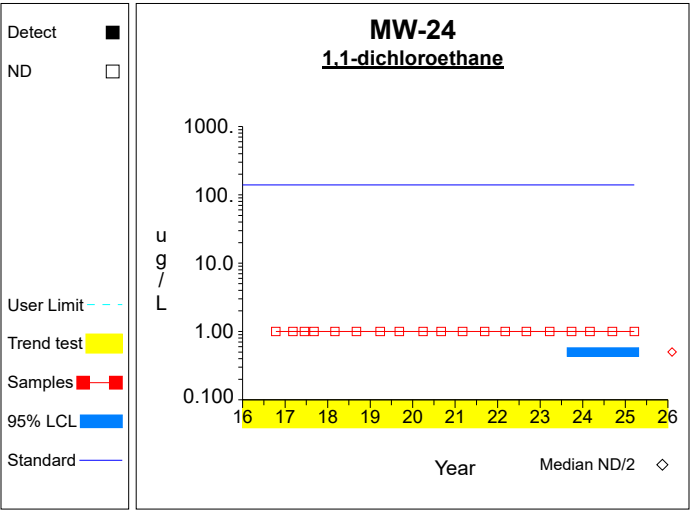


Graph 11

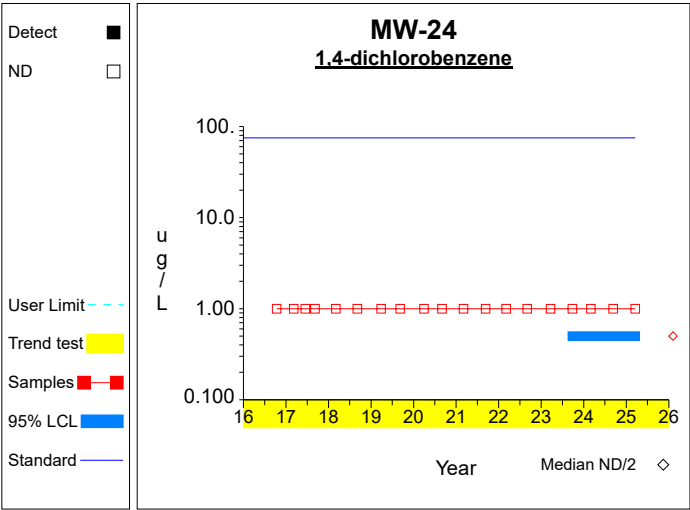


Graph 12

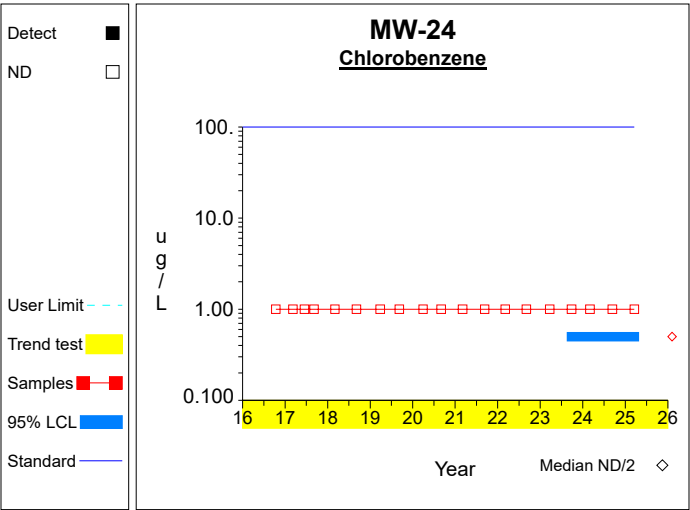
Confidence Limits (Assessment)



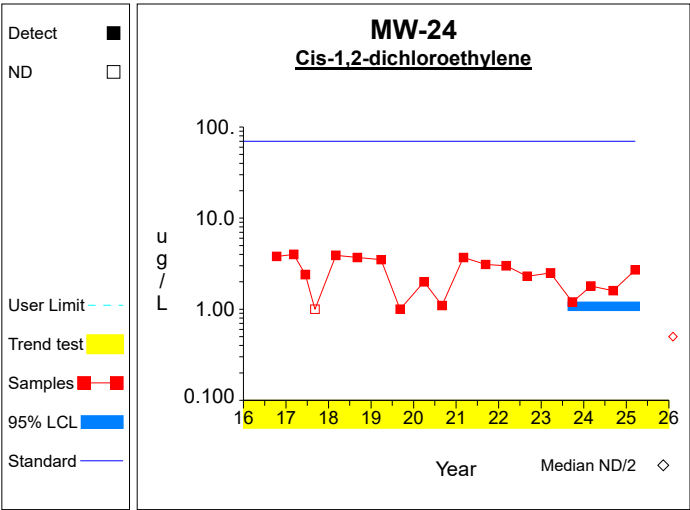
Graph 13



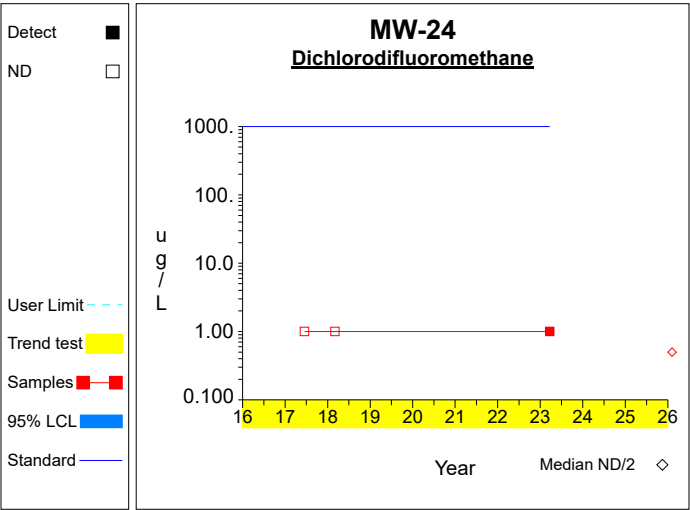
Graph 14



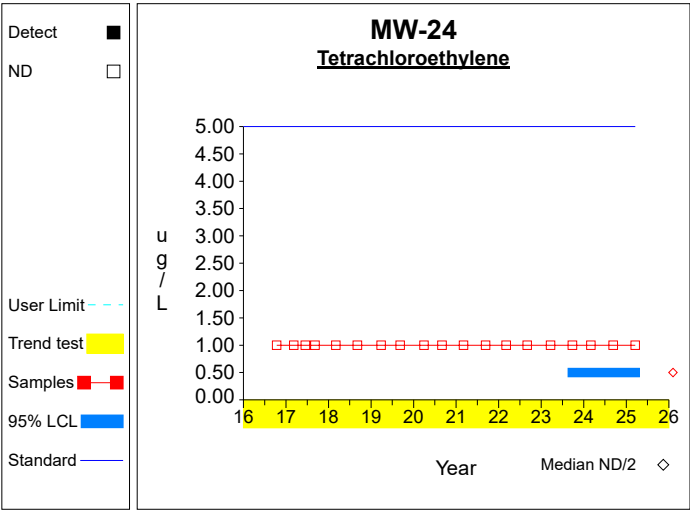
Graph 15



Graph 16

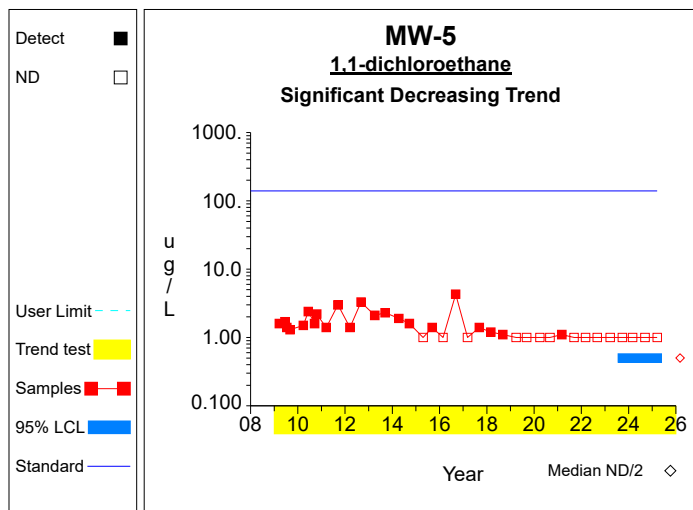


Graph 17

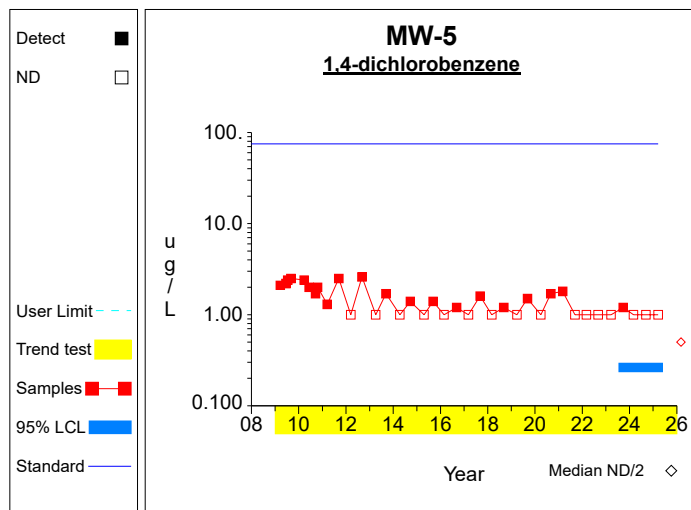


Graph 18

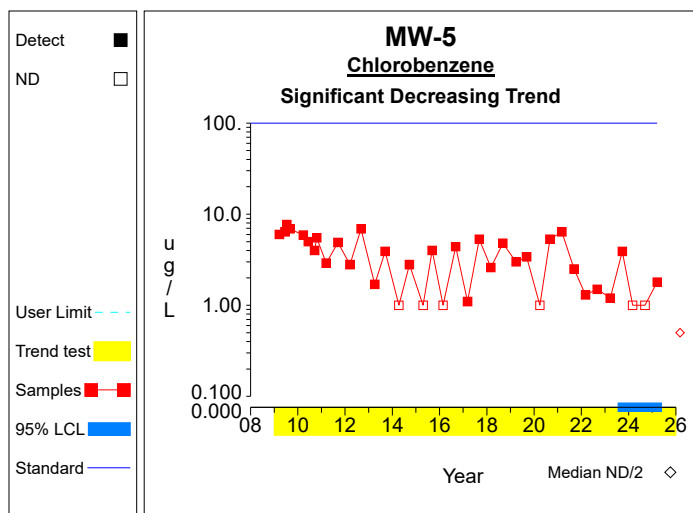
Confidence Limits (Assessment)



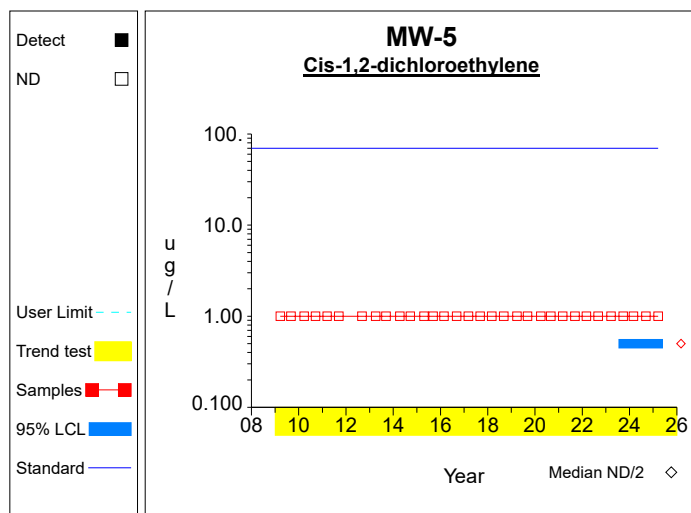
Graph 19



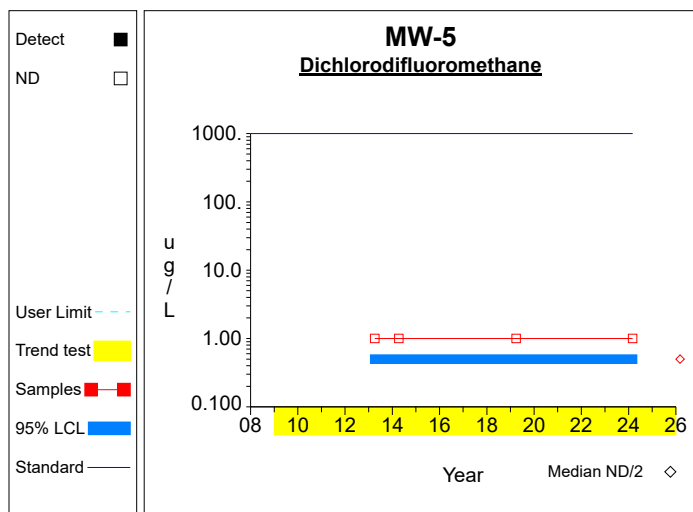
Graph 20



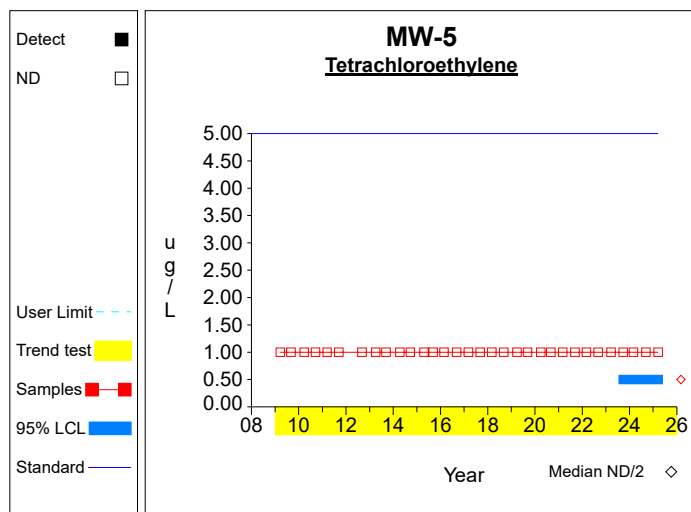
Graph 21



Graph 22

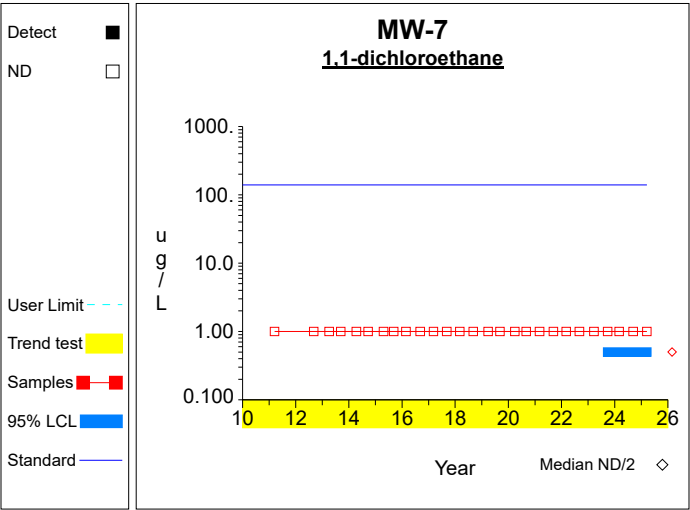


Graph 23

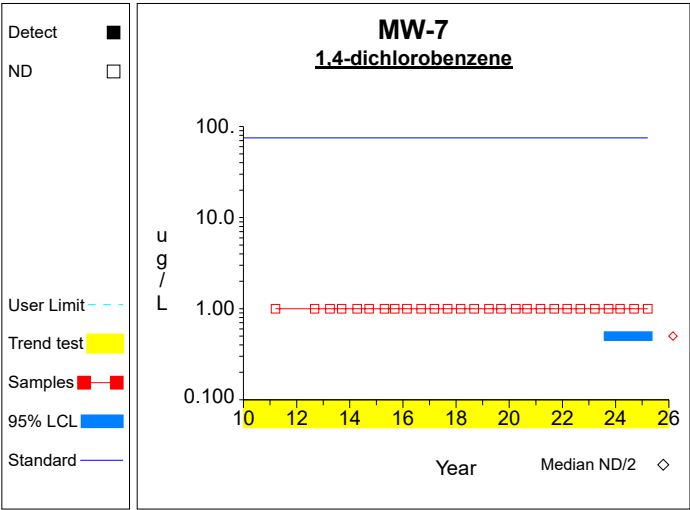


Graph 24

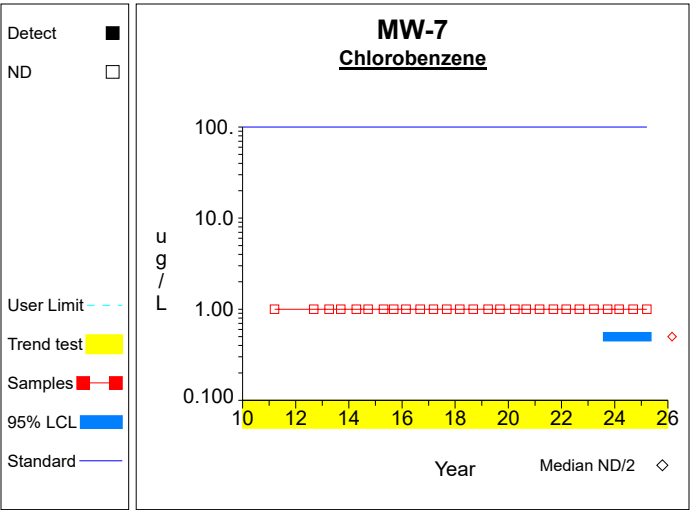
Confidence Limits (Assessment)



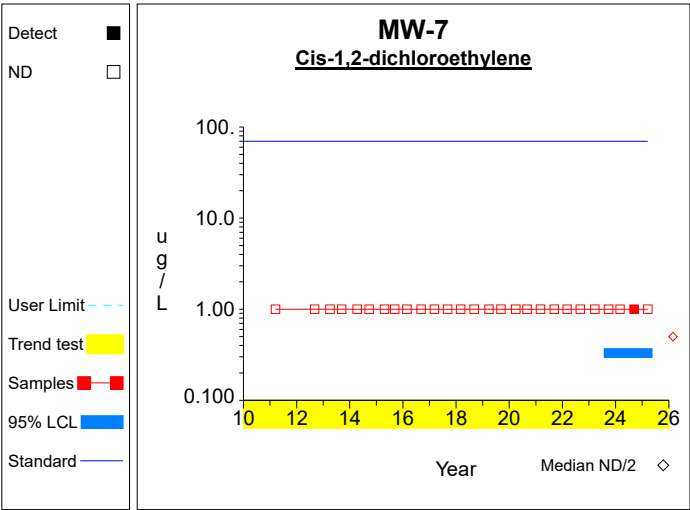
Graph 25



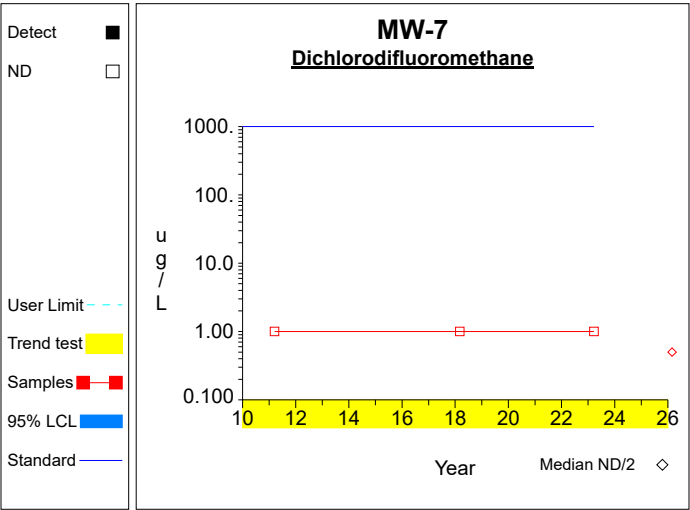
Graph 26



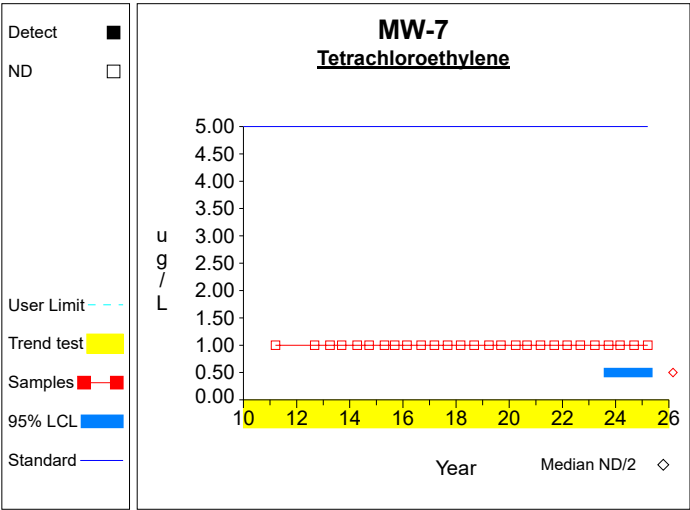
Graph 27



Graph 28

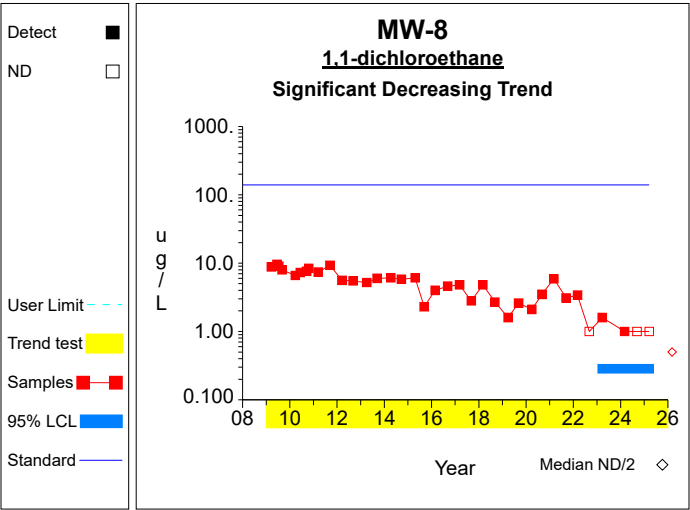


Graph 29

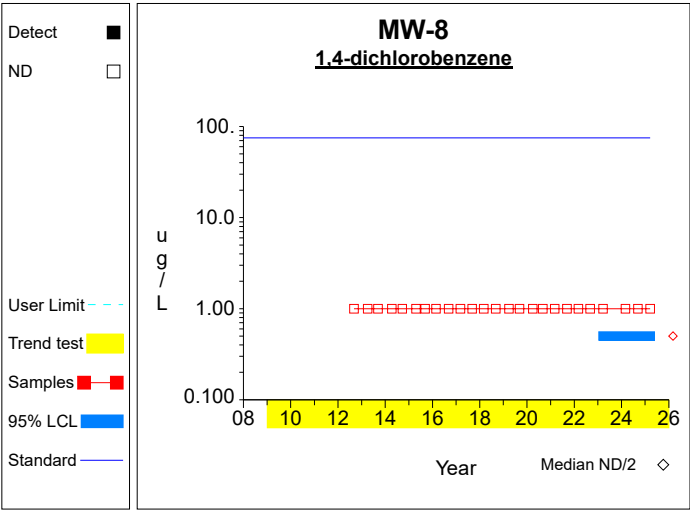


Graph 30

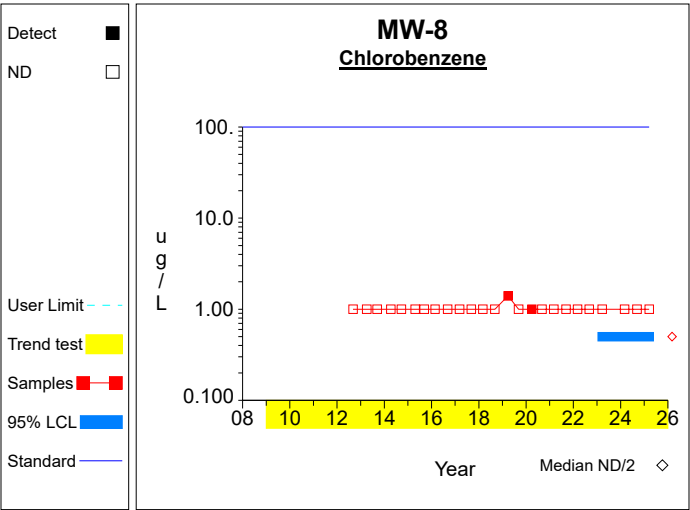
Confidence Limits (Assessment)



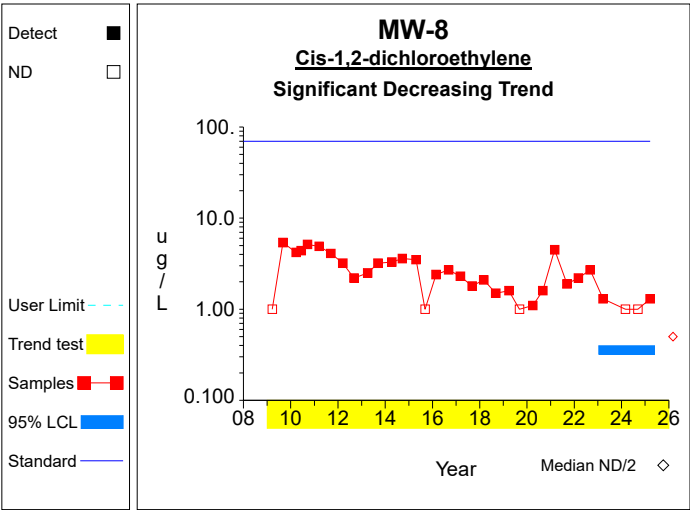
Graph 31



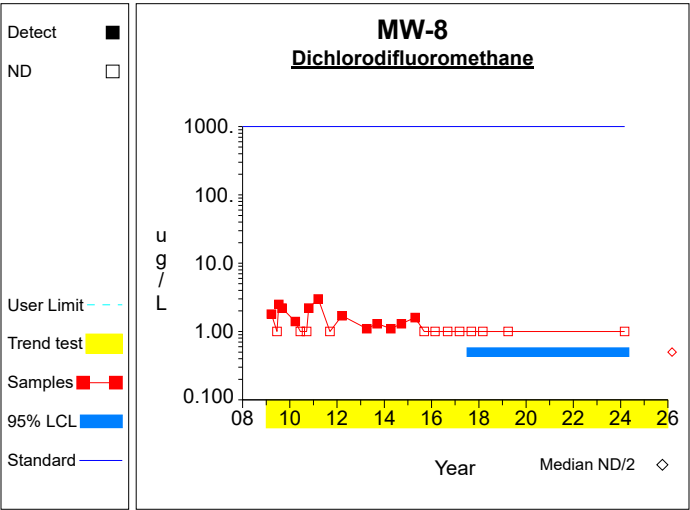
Graph 32



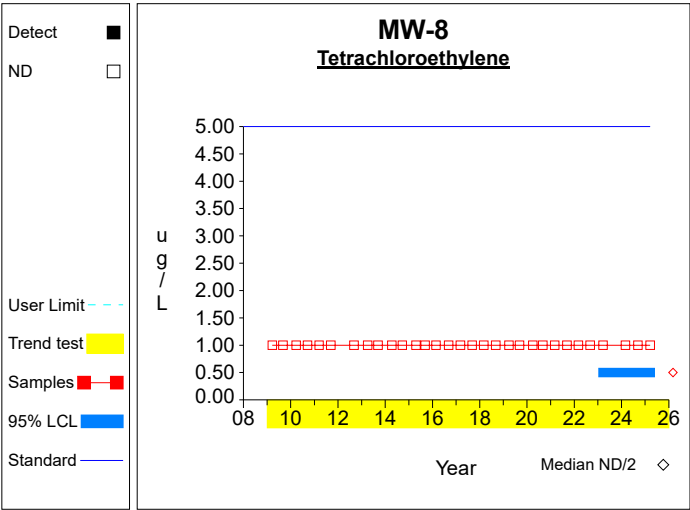
Graph 33



Graph 34



Graph 35



Graph 36

Appendix B.2 – Fall Statistical Evaluation Report

**Results of the Ground Water Statistics
for Delaware County Sanitary Landfill**

Second Semi-Annual Monitoring Event in 2025

Prepared for:
Delaware County Sanitary Landfill
Delaware County, Iowa

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Introduction

This report contains the results of the statistical analyses used to evaluate the ground water data obtained during the second semi-annual monitoring event in 2025 at Delaware County Sanitary Landfill in Delaware County, Iowa. The ground water monitoring well network at Delaware County Sanitary Landfill includes MW-11, MW-20, MW-21, MW-22, MW-23, MW-24, MW-25, MW-5, MW-6, MW-7, MW-8, and surface water sample SW-2. Sample points MW-11, MW-20, MW-21, MW-23, MW-24, MW-25, MW-5, MW-6, MW-7, and MW-8 were monitored on September 17, 2025 and analyzed for the parameters required by permit.

The statistical plan is designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. The interwell methodology is described and then applied to the Delaware County Sanitary Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10 and the USEPA 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 Delaware County Sanitary Landfill includes background wells MW-11 and MW-20 and compliance wells MW-21, MW-22, MW-23, MW-24, MW-25, MW-5, MW-6, MW-7, MW-8, and SW-2. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized below.

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

Organic Compounds:

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

Inorganic constituents:

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

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

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. The interwell method using site prediction limits was applied to the Delaware County Sanitary Landfill data using the DUMPStat® statistical program. DUMPStat® is a program for the statistical analysis of groundwater monitoring data using methods described in “Statistical Methods for Groundwater Monitoring” by Dr. Robert D. Gibbons. The DUMPStat program is completely consistent with all USEPA regulations and guidance and the ASTM D6312-98 guidance. Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

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

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-11 and MW-20 during the period from April 2015 through the current data. A summary of the background data from monitoring wells MW-11 and MW-20 used to determine the site prediction limits, is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient wells MW-21, MW-23, MW-24, MW-25, MW-5, MW-6, MW-7, and MW-8 compared to the site prediction limits. Prediction limit exceedances would be flagged with asterisks. For the most current data, the site prediction limit exceedances detected are summarized in the Table below.

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-21	Zinc, µg/L	23.3	20.0000	Nonparametric	Verified
MW-23	Nickel, µg/L	23.7	10.5000	Nonparametric	Verified
MW-24	Barium, µg/L	698	210.2265	Normal	Verified
MW-25	Barium, µg/L	301	210.2265	Normal	Verified
MW-5	Barium, µg/L	324	210.2265	Normal	Verified
	Nickel, µg/L	13.2	10.5000	Nonparametric	Verified
	Zinc, µg/L	22.0	20.0000	Nonparametric	Awaiting Verification
MW-7	Barium, µg/L	271	210.2265	Normal	Verified
MW-8	Arsenic, µg/L	13.8	4.0000	Nonparametric	Verified
	Barium, µg/L	1040	210.2265	Normal	Verified
	Cobalt, µg/L	8.0	2.2000	Nonparametric	Verified
	Nickel, µg/L	133	10.5000	Nonparametric	Verified

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 3% 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. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264 (e.g. whether the verified constituent is detected at a significant level above the GWPS). An exceedance is verified if the LCL is above the Regulatory GWPS.

The 95% LCL for cobalt at MW-8 (4.370 µg/L) exceeded the GWPS of 2.1 µg/L. The calculated 95% LCL for the remainder of the verified exceedances did not exceed GWPS.

Volatile Organic Compounds

Volatile Organic Compounds (VOCs) are generally man-made compounds not present in ambient ground water. If VOCs are detected above their statistical limit (i.e., the laboratory PQL or reporting limit), a

verification resample will be conducted at the next scheduled sampling event. A statistical exceedance will be indicated if the VOC detection is confirmed by the subsequent monitoring. VOCs detected in the ground water at Delaware County Sanitary Landfill during the second semi-annual monitoring event in 2025 are summarized below. Historical VOC detections are summarized in Attachment C.

Organic compounds detected at Delaware County Landfill during the second semi-annual monitoring event in 2025

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting Verification	Groundwater Standard, µg/L
MW-21	1,1-Dichloroethane	2.4	1	Verified	140 ^b

a - USEPA MCL, b – Iowa Statewide Standard

The verified VOC detections were evaluated against the ground water protection standards (GWPS) using confidence limits. The analysis was conducted to evaluate whether verified concentrations are significantly above the water quality standard. The calculated LCLs for historically detected VOCs are below the respective GWPS.

Methane was monitored for and detected in the ground water at wells MW-23 (33.2 µg/L), MW-6 (87.3 µg/L), MW-7 (18.3 µg/L), MW-8 (1310 µg/L), and at Sump 3 (2360 µg/L).

Attachment A

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

Table 1

Analytical Data Summary for 9/17/2025

Constituents	Units	MW-11	MW-20	MW-21	MW-23	MW-24	MW-25	MW-5	MW-6	MW-7	MW-8	Sump 3
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,1-dichloroethane	ug/L	<1.0	<1.0	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,2,3-trichloropropane	ug/L	<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	
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,4-dichlorobenzene	ug/L	<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	
2-hexanone (mbk)	ug/L	<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	
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Antimony, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Arsenic, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	13.8	5.1
Barium, total	ug/L	114	179	192	142	698	301	324	192	271	1040	
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Beryllium, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Cadmium, total	ug/L	.2	.2	<.2	.5	<.2	<.2	.2	.5	<.2	<.2	
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Chromium, total	ug/L	2.5	5.3	3.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	
Cis-1,2-dichloroethylene	ug/L	<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	
Cobalt, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	.5	<.5	8.0	4.4
Copper, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Dichlorodifluoromethane	ug/L			<1								
Ethane	ug/L				<5				<5	<5	<5	<5
Ethene	ug/L				<5				<5	<5	<5	<5
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Lead, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Methane	ug/L				33.2				87.3	11.7 *	1310.0	2360.0
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Nickel, total	ug/L	<5.0	<5.0	<5.0	23.7	<5.0	<5.0	13.2	<5.0	<5.0	133.0	45.4
Selenium, total	ug/L	<2.0	2.4	<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	
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Thallium, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	
Toluene	ug/L	<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	
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Vanadium, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Zinc, total	ug/L	11.0	11.8	23.3	15.6	6.2	<5.0	22.0	6.1	9.1	13.8	

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

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-11	04/21/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	09/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	02/25/2016	ND	2.0000		
Antimony, total	ug/L	MW-11	09/06/2016	ND	2.0000		
Antimony, total	ug/L	MW-11	03/06/2017	ND	2.0000		
Antimony, total	ug/L	MW-11	09/05/2017	ND	2.0000		
Antimony, total	ug/L	MW-11	03/02/2018	ND	2.0000		
Antimony, total	ug/L	MW-11	09/04/2018	ND	2.0000		
Antimony, total	ug/L	MW-11	03/27/2019	ND	2.0000		
Antimony, total	ug/L	MW-11	09/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-11	03/30/2020	ND	2.0000		
Antimony, total	ug/L	MW-11	09/01/2020	ND	2.0000		
Antimony, total	ug/L	MW-11	03/03/2021	ND	2.0000		
Antimony, total	ug/L	MW-11	09/10/2021	ND	2.0000		
Antimony, total	ug/L	MW-11	03/04/2022	ND	2.0000		
Antimony, total	ug/L	MW-11	09/02/2022	ND	2.0000		
Antimony, total	ug/L	MW-11	03/21/2023	ND	2.0000		
Antimony, total	ug/L	MW-11	09/26/2023	ND	2.0000		
Antimony, total	ug/L	MW-11	09/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-11	03/17/2025	ND	2.0000		
Antimony, total	ug/L	MW-11	09/17/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-11	04/21/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	02/25/2016	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/06/2016	ND	4.0000		
Arsenic, total	ug/L	MW-11	03/06/2017	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/05/2017	ND	4.0000		
Arsenic, total	ug/L	MW-11	03/02/2018	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/04/2018	ND	4.0000		
Arsenic, total	ug/L	MW-11	03/27/2019	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-11	03/30/2020	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/01/2020	ND	4.0000		
Arsenic, total	ug/L	MW-11	03/03/2021	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/10/2021	ND	4.0000		
Arsenic, total	ug/L	MW-11	03/04/2022	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/02/2022	ND	4.0000		
Arsenic, total	ug/L	MW-11	03/21/2023	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/26/2023	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-11	03/17/2025	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/17/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-11	04/21/2015		120.0000		
Barium, total	ug/L	MW-11	09/08/2015		102.0000		
Barium, total	ug/L	MW-11	02/25/2016		111.0000		
Barium, total	ug/L	MW-11	09/06/2016		123.0000		
Barium, total	ug/L	MW-11	03/06/2017		123.0000		
Barium, total	ug/L	MW-11	09/05/2017		96.8000		
Barium, total	ug/L	MW-11	03/02/2018		112.0000		
Barium, total	ug/L	MW-11	09/04/2018		111.0000		
Barium, total	ug/L	MW-11	03/27/2019		116.0000		
Barium, total	ug/L	MW-11	09/07/2019		106.0000		
Barium, total	ug/L	MW-11	03/30/2020		107.0000		
Barium, total	ug/L	MW-11	09/01/2020		94.8000		
Barium, total	ug/L	MW-11	03/03/2021		130.0000		
Barium, total	ug/L	MW-11	09/10/2021		98.6000		
Barium, total	ug/L	MW-11	03/04/2022		113.0000		
Barium, total	ug/L	MW-11	09/02/2022		87.1000		
Barium, total	ug/L	MW-11	03/21/2023		113.0000		
Barium, total	ug/L	MW-11	09/26/2023		108.0000		
Barium, total	ug/L	MW-11	09/11/2024		123.0000		
Barium, total	ug/L	MW-11	03/17/2025		127.0000		
Barium, total	ug/L	MW-11	09/17/2025		114.0000		
Beryllium, total	ug/L	MW-11	04/21/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	02/25/2016	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/06/2016	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/06/2017	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/05/2017	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/02/2018	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/04/2018	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/27/2019	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/30/2020	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	
Beryllium, total	ug/L	MW-11	09/01/2020	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/03/2021	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/10/2021	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/04/2022	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/02/2022	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/21/2023	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/26/2023	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/17/2025	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/17/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-11	04/21/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	02/25/2016	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/06/2016	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/06/2017	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/05/2017	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/02/2018	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/04/2018	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/27/2019	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/30/2020	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/01/2020	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/03/2021	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/10/2021	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/04/2022	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/02/2022	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/21/2023	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/26/2023	ND	2.1000		
Cadmium, total	ug/L	MW-11	09/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/17/2025	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/17/2025	ND	0.2000		*
Chromium, total	ug/L	MW-11	04/21/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	09/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	02/25/2016	ND	8.0000		
Chromium, total	ug/L	MW-11	09/06/2016	ND	8.0000		
Chromium, total	ug/L	MW-11	03/06/2017	ND	8.0000		
Chromium, total	ug/L	MW-11	09/05/2017	ND	8.0000		
Chromium, total	ug/L	MW-11	03/02/2018	ND	8.0000		
Chromium, total	ug/L	MW-11	09/04/2018	ND	8.0000		
Chromium, total	ug/L	MW-11	03/27/2019	ND	8.0000		
Chromium, total	ug/L	MW-11	09/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-11	03/30/2020	ND	8.0000		
Chromium, total	ug/L	MW-11	09/01/2020	ND	8.0000		
Chromium, total	ug/L	MW-11	03/03/2021	ND	8.0000		
Chromium, total	ug/L	MW-11	09/10/2021	ND	8.0000		
Chromium, total	ug/L	MW-11	03/04/2022	ND	8.0000		
Chromium, total	ug/L	MW-11	09/02/2022	ND	8.0000		
Chromium, total	ug/L	MW-11	03/21/2023	ND	8.0000		
Chromium, total	ug/L	MW-11	09/26/2023	ND	8.0000		
Chromium, total	ug/L	MW-11	09/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-11	03/17/2025	ND	8.0000		
Chromium, total	ug/L	MW-11	09/17/2025	ND	2.5000		*
Cobalt, total	ug/L	MW-11	04/21/2015		1.4000		
Cobalt, total	ug/L	MW-11	09/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-11	02/25/2016	ND	0.8000		
Cobalt, total	ug/L	MW-11	09/06/2016		2.0000		
Cobalt, total	ug/L	MW-11	03/06/2017	ND	0.8000		
Cobalt, total	ug/L	MW-11	09/05/2017	ND	0.8000		
Cobalt, total	ug/L	MW-11	03/02/2018	ND	0.8000		
Cobalt, total	ug/L	MW-11	09/04/2018	ND	0.8000		
Cobalt, total	ug/L	MW-11	03/27/2019	ND	0.8000		
Cobalt, total	ug/L	MW-11	09/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-11	03/30/2020	ND	0.8000		
Cobalt, total	ug/L	MW-11	09/01/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	03/03/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	09/10/2021		0.6000		
Cobalt, total	ug/L	MW-11	03/04/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	09/02/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	03/21/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	09/26/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	09/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	03/17/2025	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	09/17/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-11	04/21/2015	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-11	09/08/2015	ND	4.0000		
Copper, total	ug/L	MW-11	02/25/2016	ND	4.0000		
Copper, total	ug/L	MW-11	09/06/2016	ND	4.0000		
Copper, total	ug/L	MW-11	03/06/2017	ND	4.0000		
Copper, total	ug/L	MW-11	09/05/2017	ND	4.0000		
Copper, total	ug/L	MW-11	03/02/2018	ND	4.0000		
Copper, total	ug/L	MW-11	09/04/2018	ND	4.0000		
Copper, total	ug/L	MW-11	03/27/2019	ND	4.0000		
Copper, total	ug/L	MW-11	09/07/2019	ND	4.0000		
Copper, total	ug/L	MW-11	03/30/2020	ND	4.0000		
Copper, total	ug/L	MW-11	09/01/2020	ND	4.0000		
Copper, total	ug/L	MW-11	03/03/2021	ND	4.0000		
Copper, total	ug/L	MW-11	09/10/2021	ND	4.0000		
Copper, total	ug/L	MW-11	03/04/2022	ND	4.0000		
Copper, total	ug/L	MW-11	09/02/2022	ND	4.0000		
Copper, total	ug/L	MW-11	03/21/2023	ND	4.0000		
Copper, total	ug/L	MW-11	09/26/2023	ND	4.0000		
Copper, total	ug/L	MW-11	09/11/2024	ND	4.0000		
Copper, total	ug/L	MW-11	03/17/2025	ND	4.0000		
Copper, total	ug/L	MW-11	09/17/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-11	04/21/2015	ND	4.0000		
Lead, total	ug/L	MW-11	09/08/2015	ND	4.0000		
Lead, total	ug/L	MW-11	02/25/2016	ND	4.0000		
Lead, total	ug/L	MW-11	09/06/2016	ND	4.0000		
Lead, total	ug/L	MW-11	03/06/2017	ND	4.0000		
Lead, total	ug/L	MW-11	09/05/2017	ND	4.0000		
Lead, total	ug/L	MW-11	03/02/2018	ND	4.0000		
Lead, total	ug/L	MW-11	09/04/2018	ND	4.0000		
Lead, total	ug/L	MW-11	03/27/2019	ND	4.0000		
Lead, total	ug/L	MW-11	09/07/2019	ND	4.0000		
Lead, total	ug/L	MW-11	03/30/2020	ND	4.0000		
Lead, total	ug/L	MW-11	09/01/2020	ND	4.0000		
Lead, total	ug/L	MW-11	03/03/2021	ND	4.0000		
Lead, total	ug/L	MW-11	09/10/2021	ND	4.0000		
Lead, total	ug/L	MW-11	03/04/2022	ND	4.0000		
Lead, total	ug/L	MW-11	09/02/2022	ND	4.0000		
Lead, total	ug/L	MW-11	03/21/2023	ND	4.0000		
Lead, total	ug/L	MW-11	09/26/2023	ND	4.0000		
Lead, total	ug/L	MW-11	09/11/2024	ND	4.0000		
Lead, total	ug/L	MW-11	03/17/2025	ND	4.0000		
Lead, total	ug/L	MW-11	09/17/2025	ND	1.0000		*
Nickel, total	ug/L	MW-11	04/21/2015		7.0000		
Nickel, total	ug/L	MW-11	09/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-11	02/25/2016	ND	4.0000		
Nickel, total	ug/L	MW-11	09/06/2016		6.1000		
Nickel, total	ug/L	MW-11	03/06/2017		17.4000		*
Nickel, total	ug/L	MW-11	09/05/2017	ND	4.0000		
Nickel, total	ug/L	MW-11	03/02/2018	ND	4.0000		
Nickel, total	ug/L	MW-11	09/04/2018	ND	4.0000		
Nickel, total	ug/L	MW-11	03/27/2019	ND	4.0000		
Nickel, total	ug/L	MW-11	09/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-11	03/30/2020	ND	4.0000		
Nickel, total	ug/L	MW-11	09/01/2020	ND	4.0000		
Nickel, total	ug/L	MW-11	03/03/2021	ND	4.0000		
Nickel, total	ug/L	MW-11	09/10/2021	ND	4.0000		
Nickel, total	ug/L	MW-11	03/04/2022	ND	4.0000		
Nickel, total	ug/L	MW-11	09/02/2022	ND	4.0000		
Nickel, total	ug/L	MW-11	03/21/2023	ND	4.0000		
Nickel, total	ug/L	MW-11	09/26/2023	ND	4.0000		
Nickel, total	ug/L	MW-11	09/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-11	03/17/2025	ND	4.0000		
Nickel, total	ug/L	MW-11	09/17/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-11	04/21/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	09/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	02/25/2016	ND	4.0000		
Selenium, total	ug/L	MW-11	09/06/2016	ND	4.0000		
Selenium, total	ug/L	MW-11	03/06/2017	ND	4.0000		
Selenium, total	ug/L	MW-11	09/05/2017	ND	4.0000		
Selenium, total	ug/L	MW-11	03/02/2018	ND	4.0000		
Selenium, total	ug/L	MW-11	09/04/2018	ND	4.0000		
Selenium, total	ug/L	MW-11	03/27/2019	ND	4.0000		
Selenium, total	ug/L	MW-11	09/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-11	03/30/2020	ND	4.0000		
Selenium, total	ug/L	MW-11	09/01/2020	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-11	03/03/2021	ND	4.0000		
Selenium, total	ug/L	MW-11	09/10/2021	ND	4.0000		
Selenium, total	ug/L	MW-11	03/04/2022	ND	4.0000		
Selenium, total	ug/L	MW-11	09/02/2022	ND	4.0000		
Selenium, total	ug/L	MW-11	03/21/2023	ND	4.0000		
Selenium, total	ug/L	MW-11	09/26/2023	ND	4.0000		
Selenium, total	ug/L	MW-11	09/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-11	03/17/2025	ND	4.0000		
Selenium, total	ug/L	MW-11	09/17/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-11	04/21/2015	ND	4.0000		
Silver, total	ug/L	MW-11	09/08/2015	ND	4.0000		
Silver, total	ug/L	MW-11	02/25/2016	ND	4.0000		
Silver, total	ug/L	MW-11	09/06/2016	ND	4.0000		
Silver, total	ug/L	MW-11	03/06/2017	ND	4.0000		
Silver, total	ug/L	MW-11	09/05/2017	ND	4.0000		
Silver, total	ug/L	MW-11	03/02/2018	ND	4.0000		
Silver, total	ug/L	MW-11	09/04/2018	ND	4.0000		
Silver, total	ug/L	MW-11	03/27/2019	ND	4.0000		
Silver, total	ug/L	MW-11	09/07/2019	ND	4.0000		
Silver, total	ug/L	MW-11	03/30/2020	ND	4.0000		
Silver, total	ug/L	MW-11	09/01/2020	ND	4.0000		
Silver, total	ug/L	MW-11	03/03/2021	ND	4.0000		
Silver, total	ug/L	MW-11	09/10/2021	ND	4.0000		
Silver, total	ug/L	MW-11	03/04/2022	ND	4.0000		
Silver, total	ug/L	MW-11	09/02/2022	ND	4.0000		
Silver, total	ug/L	MW-11	03/21/2023	ND	4.0000		
Silver, total	ug/L	MW-11	09/26/2023	ND	4.0000		
Silver, total	ug/L	MW-11	09/11/2024	ND	4.0000		
Silver, total	ug/L	MW-11	03/17/2025	ND	4.0000		
Silver, total	ug/L	MW-11	09/17/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-11	04/21/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	09/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	02/25/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	09/06/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	03/06/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	09/05/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	03/02/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	09/04/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	03/27/2019	ND	2.0000	2.0000	**
Thallium, total	ug/L	MW-11	09/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-11	03/30/2020	ND	2.0000		
Thallium, total	ug/L	MW-11	09/01/2020	ND	2.0000		
Thallium, total	ug/L	MW-11	03/03/2021	ND	2.0000		
Thallium, total	ug/L	MW-11	09/10/2021	ND	2.0000		
Thallium, total	ug/L	MW-11	03/04/2022	ND	2.0000		
Thallium, total	ug/L	MW-11	09/02/2022	ND	2.0000		
Thallium, total	ug/L	MW-11	03/21/2023	ND	2.0000		
Thallium, total	ug/L	MW-11	09/26/2023	ND	2.0000		
Thallium, total	ug/L	MW-11	09/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-11	03/17/2025	ND	2.0000		
Thallium, total	ug/L	MW-11	09/17/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-11	04/21/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	02/25/2016	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/06/2016	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/06/2017	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/05/2017	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/02/2018	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/04/2018	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/27/2019	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/30/2020	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/01/2020	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/03/2021	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/10/2021	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/04/2022	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/02/2022	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/21/2023	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/26/2023	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/17/2025	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/17/2025	ND	2.0000		*
Zinc, total	ug/L	MW-11	04/21/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	09/08/2015	ND	8.0000	20.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-11	02/25/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	09/06/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	03/06/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	09/05/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	03/02/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	09/04/2018	ND	20.0000		
Zinc, total	ug/L	MW-11	03/27/2019		12.1000		
Zinc, total	ug/L	MW-11	09/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	03/30/2020	ND	20.0000		
Zinc, total	ug/L	MW-11	09/01/2020	ND	20.0000		
Zinc, total	ug/L	MW-11	03/03/2021	ND	20.0000		
Zinc, total	ug/L	MW-11	09/10/2021	ND	20.0000		
Zinc, total	ug/L	MW-11	03/04/2022	ND	20.0000		
Zinc, total	ug/L	MW-11	09/02/2022	ND	20.0000		
Zinc, total	ug/L	MW-11	03/21/2023	ND	20.0000		
Zinc, total	ug/L	MW-11	09/26/2023	ND	20.0000		
Zinc, total	ug/L	MW-11	09/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-11	03/17/2025	ND	20.0000		
Zinc, total	ug/L	MW-11	09/17/2025		11.0000		
Antimony, total	ug/L	MW-20	04/21/2015	ND	2.0000		
Antimony, total	ug/L	MW-20	09/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-20	02/25/2016	ND	2.0000		
Antimony, total	ug/L	MW-20	09/06/2016	ND	2.0000		
Antimony, total	ug/L	MW-20	03/06/2017	ND	2.0000		
Antimony, total	ug/L	MW-20	09/05/2017	ND	2.0000		
Antimony, total	ug/L	MW-20	03/02/2018	ND	2.0000		
Antimony, total	ug/L	MW-20	09/04/2018	ND	2.0000		
Antimony, total	ug/L	MW-20	03/27/2019	ND	2.0000		
Antimony, total	ug/L	MW-20	09/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-20	03/30/2020	ND	2.0000		
Antimony, total	ug/L	MW-20	09/01/2020	ND	2.0000		
Antimony, total	ug/L	MW-20	03/03/2021	ND	2.0000		
Antimony, total	ug/L	MW-20	09/10/2021	ND	2.0000		
Antimony, total	ug/L	MW-20	03/04/2022	ND	2.0000		
Antimony, total	ug/L	MW-20	09/02/2022	ND	2.0000		
Antimony, total	ug/L	MW-20	03/21/2023	ND	2.0000		
Antimony, total	ug/L	MW-20	03/01/2024	ND	2.0000		
Antimony, total	ug/L	MW-20	09/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-20	03/17/2025	ND	2.0000		
Antimony, total	ug/L	MW-20	09/17/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-20	04/21/2015	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-20	02/25/2016	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/06/2016	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/06/2017	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/05/2017	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/02/2018	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/04/2018	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/27/2019	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/30/2020	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/01/2020	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/03/2021	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/10/2021	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/04/2022	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/02/2022	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/21/2023	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/01/2024	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-20	03/17/2025	ND	4.0000		
Arsenic, total	ug/L	MW-20	09/17/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-20	04/21/2015		175.0000		
Barium, total	ug/L	MW-20	09/08/2015		194.0000		
Barium, total	ug/L	MW-20	02/25/2016		107.0000		
Barium, total	ug/L	MW-20	09/06/2016		210.0000		
Barium, total	ug/L	MW-20	03/06/2017		109.0000		
Barium, total	ug/L	MW-20	09/05/2017		177.0000		
Barium, total	ug/L	MW-20	03/02/2018		73.2000		
Barium, total	ug/L	MW-20	09/04/2018		148.0000		
Barium, total	ug/L	MW-20	03/27/2019		121.0000		
Barium, total	ug/L	MW-20	09/07/2019		159.0000		
Barium, total	ug/L	MW-20	03/30/2020		122.0000		
Barium, total	ug/L	MW-20	09/01/2020		166.0000		
Barium, total	ug/L	MW-20	03/03/2021		91.0000		

* - 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-20	09/10/2021		137.0000		
Barium, total	ug/L	MW-20	03/04/2022		181.0000		
Barium, total	ug/L	MW-20	09/02/2022		146.0000		
Barium, total	ug/L	MW-20	03/21/2023		123.0000		
Barium, total	ug/L	MW-20	03/01/2024		175.0000		
Barium, total	ug/L	MW-20	09/11/2024		178.0000		
Barium, total	ug/L	MW-20	03/17/2025		68.7000		
Barium, total	ug/L	MW-20	09/17/2025		179.0000		
Beryllium, total	ug/L	MW-20	04/21/2015	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-20	02/25/2016	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/06/2016	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/06/2017	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/05/2017	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/02/2018	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/04/2018	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/27/2019	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/30/2020	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/01/2020	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/03/2021	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/10/2021	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/04/2022	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/02/2022	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/21/2023	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/01/2024	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-20	03/17/2025	ND	4.0000		
Beryllium, total	ug/L	MW-20	09/17/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-20	04/21/2015	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-20	02/25/2016	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/06/2016		1.0000		
Cadmium, total	ug/L	MW-20	03/06/2017	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/05/2017	ND	0.8000		
Cadmium, total	ug/L	MW-20	03/02/2018	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/04/2018	ND	0.8000		
Cadmium, total	ug/L	MW-20	03/27/2019	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-20	03/30/2020	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/01/2020	ND	0.8000		
Cadmium, total	ug/L	MW-20	03/03/2021	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/10/2021	ND	0.8000		
Cadmium, total	ug/L	MW-20	03/04/2022	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/02/2022	ND	0.8000		
Cadmium, total	ug/L	MW-20	03/21/2023	ND	0.8000		
Cadmium, total	ug/L	MW-20	03/01/2024	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-20	03/17/2025	ND	0.8000		
Cadmium, total	ug/L	MW-20	09/17/2025		0.2000		*
Chromium, total	ug/L	MW-20	04/21/2015	ND	8.0000		
Chromium, total	ug/L	MW-20	09/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-20	02/25/2016	ND	8.0000		
Chromium, total	ug/L	MW-20	09/06/2016	ND	8.0000		
Chromium, total	ug/L	MW-20	03/06/2017	ND	8.0000		
Chromium, total	ug/L	MW-20	09/05/2017		8.7000		
Chromium, total	ug/L	MW-20	03/02/2018	ND	8.0000		
Chromium, total	ug/L	MW-20	09/04/2018	ND	8.0000		
Chromium, total	ug/L	MW-20	03/27/2019	ND	8.0000		
Chromium, total	ug/L	MW-20	09/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-20	03/30/2020	ND	8.0000		
Chromium, total	ug/L	MW-20	09/01/2020	ND	8.0000		
Chromium, total	ug/L	MW-20	03/03/2021	ND	8.0000		
Chromium, total	ug/L	MW-20	09/10/2021	ND	8.0000		
Chromium, total	ug/L	MW-20	03/04/2022	ND	8.0000		
Chromium, total	ug/L	MW-20	09/02/2022	ND	8.0000		
Chromium, total	ug/L	MW-20	03/21/2023	ND	8.0000		
Chromium, total	ug/L	MW-20	03/01/2024	ND	8.0000		
Chromium, total	ug/L	MW-20	09/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-20	03/17/2025	ND	8.0000		
Chromium, total	ug/L	MW-20	09/17/2025		5.3000		
Cobalt, total	ug/L	MW-20	04/21/2015	ND	0.8000		
Cobalt, total	ug/L	MW-20	09/08/2015		2.1000		
Cobalt, total	ug/L	MW-20	02/25/2016	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-20	09/06/2016	ND	0.8000		
Cobalt, total	ug/L	MW-20	03/06/2017	ND	0.8000		
Cobalt, total	ug/L	MW-20	09/05/2017		2.2000		
Cobalt, total	ug/L	MW-20	03/02/2018	ND	0.8000		
Cobalt, total	ug/L	MW-20	09/04/2018	ND	0.8000		
Cobalt, total	ug/L	MW-20	03/27/2019	ND	0.8000		
Cobalt, total	ug/L	MW-20	09/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-20	03/30/2020	ND	0.8000		
Cobalt, total	ug/L	MW-20	09/01/2020		0.8000		
Cobalt, total	ug/L	MW-20	03/03/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-20	09/10/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-20	03/04/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-20	09/02/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-20	03/21/2023		0.7000		
Cobalt, total	ug/L	MW-20	03/01/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-20	09/11/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-20	03/17/2025	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-20	09/17/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-20	04/21/2015	ND	4.0000		
Copper, total	ug/L	MW-20	09/08/2015	ND	4.0000		
Copper, total	ug/L	MW-20	02/25/2016	ND	4.0000		
Copper, total	ug/L	MW-20	09/06/2016		4.9000		
Copper, total	ug/L	MW-20	03/06/2017	ND	4.0000		
Copper, total	ug/L	MW-20	09/05/2017	ND	4.0000		
Copper, total	ug/L	MW-20	03/02/2018	ND	4.0000		
Copper, total	ug/L	MW-20	09/04/2018	ND	4.0000		
Copper, total	ug/L	MW-20	03/27/2019	ND	4.0000		
Copper, total	ug/L	MW-20	09/07/2019	ND	4.0000		
Copper, total	ug/L	MW-20	03/30/2020	ND	4.0000		
Copper, total	ug/L	MW-20	09/01/2020		5.3000		
Copper, total	ug/L	MW-20	03/03/2021	ND	4.0000		
Copper, total	ug/L	MW-20	09/10/2021	ND	4.0000		
Copper, total	ug/L	MW-20	03/04/2022	ND	4.0000		
Copper, total	ug/L	MW-20	09/02/2022	ND	4.0000		
Copper, total	ug/L	MW-20	03/21/2023	ND	4.0000		
Copper, total	ug/L	MW-20	03/01/2024	ND	4.0000		
Copper, total	ug/L	MW-20	09/11/2024	ND	4.0000		
Copper, total	ug/L	MW-20	03/17/2025	ND	4.0000		
Copper, total	ug/L	MW-20	09/17/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-20	04/21/2015	ND	4.0000		
Lead, total	ug/L	MW-20	09/08/2015	ND	4.0000		
Lead, total	ug/L	MW-20	02/25/2016	ND	4.0000		
Lead, total	ug/L	MW-20	09/06/2016	ND	4.0000		
Lead, total	ug/L	MW-20	03/06/2017	ND	4.0000		
Lead, total	ug/L	MW-20	09/05/2017	ND	4.0000		
Lead, total	ug/L	MW-20	03/02/2018	ND	4.0000		
Lead, total	ug/L	MW-20	09/04/2018	ND	4.0000		
Lead, total	ug/L	MW-20	03/27/2019	ND	4.0000		
Lead, total	ug/L	MW-20	09/07/2019	ND	4.0000		
Lead, total	ug/L	MW-20	03/30/2020	ND	4.0000		
Lead, total	ug/L	MW-20	09/01/2020	ND	4.0000		
Lead, total	ug/L	MW-20	03/03/2021	ND	4.0000		
Lead, total	ug/L	MW-20	09/10/2021	ND	4.0000		
Lead, total	ug/L	MW-20	03/04/2022	ND	4.0000		
Lead, total	ug/L	MW-20	09/02/2022	ND	4.0000		
Lead, total	ug/L	MW-20	03/21/2023	ND	4.0000		
Lead, total	ug/L	MW-20	03/01/2024	ND	4.0000		
Lead, total	ug/L	MW-20	09/11/2024	ND	4.0000		
Lead, total	ug/L	MW-20	03/17/2025	ND	4.0000		
Lead, total	ug/L	MW-20	09/17/2025	ND	1.0000		*
Nickel, total	ug/L	MW-20	04/21/2015	ND	4.0000		
Nickel, total	ug/L	MW-20	09/08/2015		4.6000		
Nickel, total	ug/L	MW-20	02/25/2016	ND	4.0000		
Nickel, total	ug/L	MW-20	09/06/2016		4.5000		
Nickel, total	ug/L	MW-20	03/06/2017	ND	4.0000		
Nickel, total	ug/L	MW-20	09/05/2017		10.5000		
Nickel, total	ug/L	MW-20	03/02/2018		4.4000		
Nickel, total	ug/L	MW-20	09/04/2018		4.9000		
Nickel, total	ug/L	MW-20	03/27/2019		4.6000		
Nickel, total	ug/L	MW-20	09/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-20	03/30/2020		5.2000		
Nickel, total	ug/L	MW-20	09/01/2020		8.8000		
Nickel, total	ug/L	MW-20	03/03/2021	ND	4.0000		
Nickel, total	ug/L	MW-20	09/10/2021	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-20	03/04/2022		4.6000		
Nickel, total	ug/L	MW-20	09/02/2022		4.1000		
Nickel, total	ug/L	MW-20	03/21/2023		4.5000		
Nickel, total	ug/L	MW-20	03/01/2024		6.2000		
Nickel, total	ug/L	MW-20	09/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-20	03/17/2025	ND	4.0000		
Nickel, total	ug/L	MW-20	09/17/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-20	04/21/2015	ND	4.0000		
Selenium, total	ug/L	MW-20	09/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-20	02/25/2016	ND	4.0000		
Selenium, total	ug/L	MW-20	09/06/2016		5.2000		
Selenium, total	ug/L	MW-20	03/06/2017	ND	4.0000		
Selenium, total	ug/L	MW-20	09/05/2017	ND	4.0000		
Selenium, total	ug/L	MW-20	03/02/2018	ND	4.0000		
Selenium, total	ug/L	MW-20	09/04/2018	ND	4.0000		
Selenium, total	ug/L	MW-20	03/27/2019	ND	4.0000		
Selenium, total	ug/L	MW-20	09/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-20	03/30/2020	ND	4.0000		
Selenium, total	ug/L	MW-20	09/01/2020	ND	4.0000		
Selenium, total	ug/L	MW-20	03/03/2021	ND	4.0000		
Selenium, total	ug/L	MW-20	09/10/2021	ND	4.0000		
Selenium, total	ug/L	MW-20	03/04/2022	ND	4.0000		
Selenium, total	ug/L	MW-20	09/02/2022	ND	4.0000		
Selenium, total	ug/L	MW-20	03/21/2023		4.1000		
Selenium, total	ug/L	MW-20	03/01/2024	ND	4.0000		
Selenium, total	ug/L	MW-20	09/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-20	03/17/2025	ND	4.0000		
Selenium, total	ug/L	MW-20	09/17/2025		2.4000		
Silver, total	ug/L	MW-20	04/21/2015	ND	4.0000		
Silver, total	ug/L	MW-20	09/08/2015	ND	4.0000		
Silver, total	ug/L	MW-20	02/25/2016	ND	4.0000		
Silver, total	ug/L	MW-20	09/06/2016	ND	4.0000		
Silver, total	ug/L	MW-20	03/06/2017	ND	4.0000		
Silver, total	ug/L	MW-20	09/05/2017	ND	4.0000		
Silver, total	ug/L	MW-20	03/02/2018	ND	4.0000		
Silver, total	ug/L	MW-20	09/04/2018	ND	4.0000		
Silver, total	ug/L	MW-20	03/27/2019	ND	4.0000		
Silver, total	ug/L	MW-20	09/07/2019	ND	4.0000		
Silver, total	ug/L	MW-20	03/30/2020	ND	4.0000		
Silver, total	ug/L	MW-20	09/01/2020	ND	4.0000		
Silver, total	ug/L	MW-20	03/03/2021	ND	4.0000		
Silver, total	ug/L	MW-20	09/10/2021	ND	4.0000		
Silver, total	ug/L	MW-20	03/04/2022	ND	4.0000		
Silver, total	ug/L	MW-20	09/02/2022	ND	4.0000		
Silver, total	ug/L	MW-20	03/21/2023	ND	4.0000		
Silver, total	ug/L	MW-20	03/01/2024	ND	4.0000		
Silver, total	ug/L	MW-20	09/11/2024	ND	4.0000		
Silver, total	ug/L	MW-20	03/17/2025	ND	4.0000		
Silver, total	ug/L	MW-20	09/17/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-20	04/21/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-20	09/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-20	02/25/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-20	09/06/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-20	03/06/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-20	09/05/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-20	03/02/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-20	09/04/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-20	03/27/2019	ND	2.0000		
Thallium, total	ug/L	MW-20	09/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-20	03/30/2020	ND	2.0000		
Thallium, total	ug/L	MW-20	09/01/2020	ND	2.0000		
Thallium, total	ug/L	MW-20	03/03/2021	ND	2.0000		
Thallium, total	ug/L	MW-20	09/10/2021	ND	2.0000		
Thallium, total	ug/L	MW-20	03/04/2022	ND	2.0000		
Thallium, total	ug/L	MW-20	09/02/2022	ND	2.0000		
Thallium, total	ug/L	MW-20	03/21/2023	ND	2.0000		
Thallium, total	ug/L	MW-20	03/01/2024	ND	2.0000		
Thallium, total	ug/L	MW-20	09/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-20	03/17/2025	ND	2.0000		
Thallium, total	ug/L	MW-20	09/17/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-20	04/21/2015	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-20	02/25/2016	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/06/2016	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-20	03/06/2017	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/05/2017	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/02/2018	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/04/2018	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/27/2019	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/30/2020	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/01/2020	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/03/2021	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/10/2021	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/04/2022	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/02/2022	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/21/2023	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/01/2024	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-20	03/17/2025	ND	20.0000		
Vanadium, total	ug/L	MW-20	09/17/2025	ND	2.0000		*
Zinc, total	ug/L	MW-20	04/21/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-20	09/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-20	02/25/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-20	09/06/2016		10.7000		
Zinc, total	ug/L	MW-20	03/06/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-20	09/05/2017		11.2000		
Zinc, total	ug/L	MW-20	03/02/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-20	09/04/2018	ND	20.0000		
Zinc, total	ug/L	MW-20	03/27/2019		19.0000		
Zinc, total	ug/L	MW-20	09/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-20	03/30/2020	ND	20.0000		
Zinc, total	ug/L	MW-20	09/01/2020	ND	20.0000		
Zinc, total	ug/L	MW-20	03/03/2021	ND	20.0000		
Zinc, total	ug/L	MW-20	09/10/2021	ND	20.0000		
Zinc, total	ug/L	MW-20	03/04/2022	ND	20.0000		
Zinc, total	ug/L	MW-20	09/02/2022	ND	20.0000		
Zinc, total	ug/L	MW-20	03/21/2023	ND	20.0000		
Zinc, total	ug/L	MW-20	03/01/2024	ND	20.0000		
Zinc, total	ug/L	MW-20	09/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-20	03/17/2025	ND	20.0000		
Zinc, total	ug/L	MW-20	09/17/2025		11.8000		

* - 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 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, total	ug/L	MW-21	09/17/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-21	09/17/2025	ND	2.0000		4.0000
Barium, total	ug/L	MW-21	09/17/2025		192.0000		210.2265
Beryllium, total	ug/L	MW-21	09/17/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-21	09/17/2025	ND	0.2000		2.1000
Chromium, total	ug/L	MW-21	09/17/2025		3.0000		8.7000
Cobalt, total	ug/L	MW-21	09/17/2025	ND	0.5000		2.2000
Copper, total	ug/L	MW-21	09/17/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-21	09/17/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-21	09/17/2025	ND	5.0000		10.5000
Selenium, total	ug/L	MW-21	09/17/2025	ND	2.0000		5.2000
Silver, total	ug/L	MW-21	09/17/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-21	09/17/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-21	09/17/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-21	09/17/2025		23.3000	***	20.0000
Antimony, total	ug/L	MW-23	09/17/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-23	09/17/2025	ND	2.0000		4.0000
Barium, total	ug/L	MW-23	09/17/2025		142.0000		210.2265
Beryllium, total	ug/L	MW-23	09/17/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-23	09/17/2025		0.5000		2.1000
Chromium, total	ug/L	MW-23	09/17/2025		1.1000		8.7000
Cobalt, total	ug/L	MW-23	09/17/2025	ND	0.5000		2.2000
Copper, total	ug/L	MW-23	09/17/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-23	09/17/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-23	09/17/2025		23.7000	***	10.5000
Selenium, total	ug/L	MW-23	09/17/2025	ND	2.0000		5.2000
Silver, total	ug/L	MW-23	09/17/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-23	09/17/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-23	09/17/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-23	09/17/2025		15.6000		20.0000
Antimony, total	ug/L	MW-24	09/17/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-24	09/17/2025	ND	2.0000	**	4.0000
Barium, total	ug/L	MW-24	09/17/2025		698.0000	***	210.2265
Beryllium, total	ug/L	MW-24	09/17/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-24	09/17/2025	ND	0.2000		2.1000
Chromium, total	ug/L	MW-24	09/17/2025	ND	1.0000		8.7000
Cobalt, total	ug/L	MW-24	09/17/2025	ND	0.5000		2.2000
Copper, total	ug/L	MW-24	09/17/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-24	09/17/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-24	09/17/2025	ND	5.0000		10.5000
Selenium, total	ug/L	MW-24	09/17/2025	ND	2.0000		5.2000
Silver, total	ug/L	MW-24	09/17/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-24	09/17/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-24	09/17/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-24	09/17/2025		6.2000		20.0000
Antimony, total	ug/L	MW-25	09/17/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-25	09/17/2025	ND	2.0000		4.0000
Barium, total	ug/L	MW-25	09/17/2025		301.0000	***	210.2265
Beryllium, total	ug/L	MW-25	09/17/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-25	09/17/2025	ND	0.2000		2.1000
Chromium, total	ug/L	MW-25	09/17/2025	ND	1.0000		8.7000
Cobalt, total	ug/L	MW-25	09/17/2025	ND	0.5000		2.2000
Copper, total	ug/L	MW-25	09/17/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-25	09/17/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-25	09/17/2025	ND	5.0000		10.5000
Selenium, total	ug/L	MW-25	09/17/2025	ND	2.0000		5.2000
Silver, total	ug/L	MW-25	09/17/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-25	09/17/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-25	09/17/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-25	09/17/2025	ND	5.0000		20.0000
Antimony, total	ug/L	MW-5	09/17/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-5	09/17/2025	ND	2.0000		4.0000
Barium, total	ug/L	MW-5	09/17/2025		324.0000	***	210.2265
Beryllium, total	ug/L	MW-5	09/17/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-5	09/17/2025		0.2000		2.1000
Chromium, total	ug/L	MW-5	09/17/2025	ND	1.0000		8.7000
Cobalt, total	ug/L	MW-5	09/17/2025	ND	0.5000		2.2000
Copper, total	ug/L	MW-5	09/17/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-5	09/17/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-5	09/17/2025		13.2000	***	10.5000
Selenium, total	ug/L	MW-5	09/17/2025	ND	2.0000		5.2000
Silver, total	ug/L	MW-5	09/17/2025	ND	5.0000		4.0000

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Thallium, total	ug/L	MW-5	09/17/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-5	09/17/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-5	09/17/2025		22.0000	*	20.0000
Antimony, total	ug/L	MW-6	09/17/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-6	09/17/2025	ND	2.0000		4.0000
Barium, total	ug/L	MW-6	09/17/2025		192.0000	**	210.2265
Beryllium, total	ug/L	MW-6	09/17/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-6	09/17/2025		0.5000		2.1000
Chromium, total	ug/L	MW-6	09/17/2025	ND	1.0000		8.7000
Cobalt, total	ug/L	MW-6	09/17/2025		0.5000		2.2000
Copper, total	ug/L	MW-6	09/17/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-6	09/17/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-6	09/17/2025	ND	5.0000		10.5000
Selenium, total	ug/L	MW-6	09/17/2025	ND	2.0000		5.2000
Silver, total	ug/L	MW-6	09/17/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-6	09/17/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-6	09/17/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-6	09/17/2025		6.1000		20.0000
Antimony, total	ug/L	MW-7	09/17/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-7	09/17/2025	ND	2.0000		4.0000
Barium, total	ug/L	MW-7	09/17/2025		271.0000	***	210.2265
Beryllium, total	ug/L	MW-7	09/17/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-7	09/17/2025	ND	0.2000		2.1000
Chromium, total	ug/L	MW-7	09/17/2025	ND	1.0000		8.7000
Cobalt, total	ug/L	MW-7	09/17/2025	ND	0.5000	**	2.2000
Copper, total	ug/L	MW-7	09/17/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-7	09/17/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-7	09/17/2025	ND	5.0000		10.5000
Selenium, total	ug/L	MW-7	09/17/2025	ND	2.0000		5.2000
Silver, total	ug/L	MW-7	09/17/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-7	09/17/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-7	09/17/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-7	09/17/2025		9.1000	**	20.0000
Antimony, total	ug/L	MW-8	09/17/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-8	09/17/2025		13.8000	***	4.0000
Barium, total	ug/L	MW-8	09/17/2025		1040.0000	***	210.2265
Beryllium, total	ug/L	MW-8	09/17/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-8	09/17/2025	ND	0.2000		2.1000
Chromium, total	ug/L	MW-8	09/17/2025		1.4000		8.7000
Cobalt, total	ug/L	MW-8	09/17/2025		8.0000	***	2.2000
Copper, total	ug/L	MW-8	09/17/2025	ND	5.0000		5.3000
Lead, total	ug/L	MW-8	09/17/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-8	09/17/2025		133.0000	***	10.5000
Selenium, total	ug/L	MW-8	09/17/2025	ND	2.0000		5.2000
Silver, total	ug/L	MW-8	09/17/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-8	09/17/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-8	09/17/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-8	09/17/2025		13.8000		20.0000

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

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

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	0	42	0.000	1	192	0.005
Arsenic, total	0	42	0.000	64	195	0.328
Barium, total	42	42	1.000	239	239	1.000
Beryllium, total	0	40	0.000	0	192	0.000
Cadmium, total	2	40	0.050	38	214	0.178
Chromium, total	2	41	0.049	26	204	0.127
Cobalt, total	7	42	0.167	120	225	0.533
Copper, total	2	42	0.048	52	225	0.231
Lead, total	0	40	0.000	24	204	0.118
Nickel, total	14	41	0.341	158	239	0.661
Selenium, total	3	42	0.071	4	192	0.021
Silver, total	0	42	0.000	0	191	0.000
Thallium, total	0	40	0.000	1	192	0.005
Vanadium, total	0	40	0.000	15	204	0.074
Zinc, total	6	42	0.143	100	238	0.420

N = Total number of measurements in all wells.

Detect = Total number of detections in all wells.

Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Antimony, total	0	42	0.000									nonpar
Arsenic, total	0	42	0.000									nonpar
Barium, total	42	42	1.000	0.421	1.010					2.326	normal	normal
Beryllium, total	0	40	0.000									nonpar
Cadmium, total	2	40	0.050									nonpar
Chromium, total	2	41	0.049									nonpar
Cobalt, total	7	42	0.167	0.248	0.787					2.326	normal	nonpar
Copper, total	2	42	0.048									nonpar
Lead, total	0	40	0.000									nonpar
Nickel, total	14	41	0.341	3.548	2.966					2.326	non-norm	nonpar
Selenium, total	3	42	0.071	0.721	0.205					2.326	normal	nonpar
Silver, total	0	42	0.000									nonpar
Thallium, total	0	40	0.000									nonpar
Vanadium, total	0	40	0.000									nonpar
Zinc, total	6	42	0.143	1.904	1.615					2.326	normal	nonpar

* - Distribution override for that constituent.

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

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

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, total	ug/L	0	42	128.0048	33.5688	0.0100	2.4494	2.0000	nonpar	***	0.99
Arsenic, total	ug/L	0	42					4.0000	nonpar	***	0.99
Barium, total	ug/L	42	42					210.2265	normal		
Beryllium, total	ug/L	0	40					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	2	40					2.1000	nonpar		0.99
Chromium, total	ug/L	2	41					8.7000	nonpar		0.99
Cobalt, total	ug/L	7	42					2.2000	nonpar		0.99
Copper, total	ug/L	2	42					5.3000	nonpar		0.99
Lead, total	ug/L	0	40					4.0000	nonpar	***	0.99
Nickel, total	ug/L	14	41					10.5000	nonpar		0.99
Selenium, total	ug/L	3	42					5.2000	nonpar		0.99
Silver, total	ug/L	0	42					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	40					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	0	40					20.0000	nonpar	***	0.99
Zinc, total	ug/L	6	42					20.0000	nonpar	***	0.99

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

* - Insufficient Data.

** - Calculated limit raised to Manual Reporting Limit.

*** - Nonparametric limit based on ND value.

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

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

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

Table 6

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

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Beryllium, total	ug/L	MW-11	09/17/2025	0.5000	< 0.5000	04/21/2015-09/17/2025	21	0.5263
Cadmium, total	ug/L	MW-11	09/17/2025	0.2000		04/21/2015-09/17/2025	21	0.5263
Chromium, total	ug/L	MW-11	09/17/2025	2.5000		04/21/2015-09/17/2025	21	0.5263
Lead, total	ug/L	MW-11	09/17/2025	1.0000	< 1.0000	04/21/2015-09/17/2025	21	0.5263
Nickel, total	ug/L	MW-11	03/06/2017	17.4000		04/21/2015-09/17/2025	21	0.5263
Thallium, total	ug/L	MW-11	09/17/2025	0.5000	< 0.5000	04/21/2015-09/17/2025	21	0.5263
Vanadium, total	ug/L	MW-11	09/17/2025	2.0000	< 2.0000	04/21/2015-09/17/2025	21	0.5263
Beryllium, total	ug/L	MW-20	09/17/2025	0.5000	< 0.5000	04/21/2015-09/17/2025	21	0.5263
Cadmium, total	ug/L	MW-20	09/17/2025	0.2000		04/21/2015-09/17/2025	21	0.5263
Lead, total	ug/L	MW-20	09/17/2025	1.0000	< 1.0000	04/21/2015-09/17/2025	21	0.5263
Thallium, total	ug/L	MW-20	09/17/2025	0.5000	< 0.5000	04/21/2015-09/17/2025	21	0.5263
Vanadium, total	ug/L	MW-20	09/17/2025	2.0000	< 2.0000	04/21/2015-09/17/2025	21	0.5263

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

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

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

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
Zinc, total	ug/L	MW-21	03/20/2009		763.0000 *	20.0000
Zinc, total	ug/L	MW-21	06/15/2009		147.0000 *	20.0000
Zinc, total	ug/L	MW-21	07/13/2009		389.0000 *	20.0000
Zinc, total	ug/L	MW-21	09/02/2009		216.0000 *	20.0000
Zinc, total	ug/L	MW-21	03/24/2010		2700.0000 *	20.0000
Zinc, total	ug/L	MW-21	06/10/2010		268.0000 *	20.0000
Zinc, total	ug/L	MW-21	09/16/2010		704.0000 *	20.0000
Zinc, total	ug/L	MW-21	10/20/2010		114.0000 *	20.0000
Zinc, total	ug/L	MW-21	09/12/2011		31.9000 *	20.0000
Zinc, total	ug/L	MW-21	03/15/2012		110.0000 *	20.0000
Zinc, total	ug/L	MW-21	09/04/2012		77.8000 *	20.0000
Zinc, total	ug/L	MW-21	09/11/2013		173.0000 *	20.0000
Zinc, total	ug/L	MW-21	04/11/2014		56.5000 *	20.0000
Zinc, total	ug/L	MW-21	09/22/2014		22.3000 *	20.0000
Zinc, total	ug/L	MW-21	04/21/2015		35.3000 *	20.0000
Zinc, total	ug/L	MW-21	09/08/2015		34.3000 *	20.0000
Zinc, total	ug/L	MW-21	02/25/2016		68.0000 *	20.0000
Zinc, total	ug/L	MW-21	09/06/2016		39.8000 *	20.0000
Zinc, total	ug/L	MW-21	03/06/2017		36.4000 *	20.0000
Zinc, total	ug/L	MW-21	09/05/2017		29.6000 *	20.0000
Zinc, total	ug/L	MW-21	03/02/2018		1460.0000 *	20.0000
Zinc, total	ug/L	MW-21	04/10/2018		31.8000 *	20.0000
Zinc, total	ug/L	MW-21	03/27/2019		38.4000 *	20.0000
Zinc, total	ug/L	MW-21	09/26/2023		35.7000 *	20.0000
Zinc, total	ug/L	MW-21	03/01/2024		20.9000 *	20.0000
Zinc, total	ug/L	MW-21	09/11/2024		526.0000 *	20.0000
Zinc, total	ug/L	MW-21	03/17/2025		54.5000 *	20.0000
Zinc, total	ug/L	MW-21	09/17/2025		23.3000 *	20.0000
Nickel, total	ug/L	MW-23	03/20/2009		33.1000 *	10.5000
Nickel, total	ug/L	MW-23	06/15/2009		47.3000 *	10.5000
Nickel, total	ug/L	MW-23	07/13/2009		20.7000 *	10.5000
Nickel, total	ug/L	MW-23	09/02/2009		87.5000 *	10.5000
Nickel, total	ug/L	MW-23	03/24/2010		25.9000 *	10.5000
Nickel, total	ug/L	MW-23	06/10/2010		89.3000 *	10.5000
Nickel, total	ug/L	MW-23	09/16/2010		69.2000 *	10.5000
Nickel, total	ug/L	MW-23	10/20/2010		75.5000 *	10.5000
Nickel, total	ug/L	MW-23	03/14/2011		37.5000 *	10.5000
Nickel, total	ug/L	MW-23	09/12/2011		64.6000 *	10.5000
Nickel, total	ug/L	MW-23	03/15/2012		38.2000 *	10.5000
Nickel, total	ug/L	MW-23	09/04/2012		21.4000 *	10.5000
Nickel, total	ug/L	MW-23	04/03/2013		12.8000 *	10.5000
Nickel, total	ug/L	MW-23	09/11/2013		10.8000 *	10.5000
Nickel, total	ug/L	MW-23	04/11/2014		18.7000 *	10.5000
Nickel, total	ug/L	MW-23	09/22/2014		5.4000	10.5000
Nickel, total	ug/L	MW-23	04/21/2015		7.8000	10.5000
Nickel, total	ug/L	MW-23	09/08/2015		5.9000	10.5000
Nickel, total	ug/L	MW-23	02/25/2016	ND	4.0000	10.5000
Nickel, total	ug/L	MW-23	09/06/2016		5.2000	10.5000
Nickel, total	ug/L	MW-23	03/06/2017	ND	4.0000	10.5000
Nickel, total	ug/L	MW-23	09/05/2017		5.9000	10.5000
Nickel, total	ug/L	MW-23	03/02/2018		5.3000	10.5000
Nickel, total	ug/L	MW-23	09/04/2018	ND	4.0000	10.5000
Nickel, total	ug/L	MW-23	03/27/2019	ND	4.0000	10.5000
Nickel, total	ug/L	MW-23	09/07/2019	ND	4.0000	10.5000
Nickel, total	ug/L	MW-23	03/30/2020	ND	4.0000	10.5000
Nickel, total	ug/L	MW-23	09/01/2020	ND	4.0000	10.5000
Nickel, total	ug/L	MW-23	03/03/2021	ND	4.0000	10.5000
Nickel, total	ug/L	MW-23	09/10/2021	ND	4.0000	10.5000
Nickel, total	ug/L	MW-23	03/04/2022	ND	4.0000	10.5000
Nickel, total	ug/L	MW-23	09/02/2022		17.4000 *	10.5000
Nickel, total	ug/L	MW-23	03/21/2023		5.0000	10.5000
Nickel, total	ug/L	MW-23	09/26/2023		32.8000 *	10.5000
Nickel, total	ug/L	MW-23	03/01/2024		32.4000 *	10.5000
Nickel, total	ug/L	MW-23	09/11/2024		28.9000 *	10.5000
Nickel, total	ug/L	MW-23	03/17/2025		15.6000 *	10.5000
Nickel, total	ug/L	MW-23	09/17/2025		23.7000 *	10.5000
Arsenic, total	ug/L	MW-24	10/12/2016	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-24	03/06/2017		14.8000 *	4.0000
Arsenic, total	ug/L	MW-24	06/15/2017		4.0000 **	4.0000
Arsenic, total	ug/L	MW-24	09/05/2017	ND	4.0000	4.0000
Arsenic, total	ug/L	MW-24	03/02/2018		51.6000 *	4.0000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, total	ug/L	MW-24	09/04/2018		4.3000	*	4.0000
Arsenic, total	ug/L	MW-24	03/27/2019		21.4000	*	4.0000
Arsenic, total	ug/L	MW-24	09/07/2019		9.2000	*	4.0000
Arsenic, total	ug/L	MW-24	03/30/2020		7.9000	*	4.0000
Arsenic, total	ug/L	MW-24	09/01/2020		5.5000	*	4.0000
Arsenic, total	ug/L	MW-24	03/03/2021		60.6000	*	4.0000
Arsenic, total	ug/L	MW-24	09/10/2021	ND	4.0000		4.0000
Arsenic, total	ug/L	MW-24	03/04/2022		74.7000	*	4.0000
Arsenic, total	ug/L	MW-24	09/02/2022		7.0000	*	4.0000
Arsenic, total	ug/L	MW-24	03/21/2023		25.8000	*	4.0000
Arsenic, total	ug/L	MW-24	09/26/2023	ND	4.0000		4.0000
Arsenic, total	ug/L	MW-24	03/01/2024		40.3000	*	4.0000
Arsenic, total	ug/L	MW-24	09/11/2024		21.2000	*	4.0000
Arsenic, total	ug/L	MW-24	03/17/2025		84.7000	*	4.0000
Arsenic, total	ug/L	MW-24	09/17/2025	ND	2.0000		4.0000
Barium, total	ug/L	MW-24	10/12/2016		469.0000	*	210.2265
Barium, total	ug/L	MW-24	03/06/2017		1280.0000	*	210.2265
Barium, total	ug/L	MW-24	06/15/2017		731.0000	*	210.2265
Barium, total	ug/L	MW-24	09/05/2017		624.0000	*	210.2265
Barium, total	ug/L	MW-24	03/02/2018		1560.0000	*	210.2265
Barium, total	ug/L	MW-24	09/04/2018		768.0000	*	210.2265
Barium, total	ug/L	MW-24	03/27/2019		1020.0000	*	210.2265
Barium, total	ug/L	MW-24	09/07/2019		745.0000	*	210.2265
Barium, total	ug/L	MW-24	03/30/2020		971.0000	*	210.2265
Barium, total	ug/L	MW-24	09/01/2020		893.0000	*	210.2265
Barium, total	ug/L	MW-24	03/03/2021		1510.0000	*	210.2265
Barium, total	ug/L	MW-24	09/10/2021		645.0000	*	210.2265
Barium, total	ug/L	MW-24	03/04/2022		1880.0000	*	210.2265
Barium, total	ug/L	MW-24	09/02/2022		640.0000	*	210.2265
Barium, total	ug/L	MW-24	03/21/2023		1020.0000	*	210.2265
Barium, total	ug/L	MW-24	09/26/2023		711.0000	*	210.2265
Barium, total	ug/L	MW-24	03/01/2024		1480.0000	*	210.2265
Barium, total	ug/L	MW-24	09/11/2024		1030.0000	*	210.2265
Barium, total	ug/L	MW-24	03/17/2025		1790.0000	*	210.2265
Barium, total	ug/L	MW-24	09/17/2025		698.0000	*	210.2265
Barium, total	ug/L	MW-25	10/12/2016		175.0000		210.2265
Barium, total	ug/L	MW-25	03/06/2017		220.0000	*	210.2265
Barium, total	ug/L	MW-25	09/05/2017		156.0000		210.2265
Barium, total	ug/L	MW-25	03/02/2018		170.0000		210.2265
Barium, total	ug/L	MW-25	09/04/2018		180.0000		210.2265
Barium, total	ug/L	MW-25	03/27/2019		218.0000	*	210.2265
Barium, total	ug/L	MW-25	09/07/2019		205.0000		210.2265
Barium, total	ug/L	MW-25	03/30/2020		325.0000	*	210.2265
Barium, total	ug/L	MW-25	06/02/2020		232.0000	*	210.2265
Barium, total	ug/L	MW-25	09/01/2020		244.0000	*	210.2265
Barium, total	ug/L	MW-25	03/03/2021		279.0000	*	210.2265
Barium, total	ug/L	MW-25	09/10/2021		263.0000	*	210.2265
Barium, total	ug/L	MW-25	03/04/2022		294.0000	*	210.2265
Barium, total	ug/L	MW-25	09/02/2022		264.0000	*	210.2265
Barium, total	ug/L	MW-25	03/21/2023		279.0000	*	210.2265
Barium, total	ug/L	MW-25	09/26/2023		252.0000	*	210.2265
Barium, total	ug/L	MW-25	03/01/2024		306.0000	*	210.2265
Barium, total	ug/L	MW-25	09/11/2024		320.0000	*	210.2265
Barium, total	ug/L	MW-25	03/17/2025		301.0000	*	210.2265
Barium, total	ug/L	MW-25	09/17/2025		301.0000	*	210.2265
Barium, total	ug/L	MW-5	03/20/2009		542.0000	*	210.2265
Barium, total	ug/L	MW-5	06/15/2009		582.0000	*	210.2265
Barium, total	ug/L	MW-5	07/13/2009		511.0000	*	210.2265
Barium, total	ug/L	MW-5	09/02/2009		530.0000	*	210.2265
Barium, total	ug/L	MW-5	03/24/2010		528.0000	*	210.2265
Barium, total	ug/L	MW-5	06/10/2010		671.0000	*	210.2265
Barium, total	ug/L	MW-5	09/16/2010		598.0000	*	210.2265
Barium, total	ug/L	MW-5	10/20/2010		583.0000	*	210.2265
Barium, total	ug/L	MW-5	03/14/2011		538.0000	*	210.2265
Barium, total	ug/L	MW-5	09/12/2011		688.0000	*	210.2265
Barium, total	ug/L	MW-5	03/15/2012		520.0000	*	210.2265
Barium, total	ug/L	MW-5	09/04/2012		686.0000	*	210.2265
Barium, total	ug/L	MW-5	04/03/2013		562.0000	*	210.2265
Barium, total	ug/L	MW-5	09/11/2013		844.0000	*	210.2265
Barium, total	ug/L	MW-5	04/11/2014		680.0000	*	210.2265
Barium, total	ug/L	MW-5	09/22/2014		816.0000	*	210.2265

* - 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
Barium, total	ug/L	MW-5	04/21/2015		494.0000 *	210.2265
Barium, total	ug/L	MW-5	09/08/2015		568.0000 *	210.2265
Barium, total	ug/L	MW-5	02/25/2016		409.0000 *	210.2265
Barium, total	ug/L	MW-5	09/06/2016		567.0000 *	210.2265
Barium, total	ug/L	MW-5	03/06/2017		429.0000 *	210.2265
Barium, total	ug/L	MW-5	09/05/2017		444.0000 *	210.2265
Barium, total	ug/L	MW-5	03/02/2018		397.0000 *	210.2265
Barium, total	ug/L	MW-5	09/04/2018		353.0000 *	210.2265
Barium, total	ug/L	MW-5	03/27/2019		416.0000 *	210.2265
Barium, total	ug/L	MW-5	09/07/2019		503.0000 *	210.2265
Barium, total	ug/L	MW-5	03/30/2020		440.0000 *	210.2265
Barium, total	ug/L	MW-5	09/01/2020		455.0000 *	210.2265
Barium, total	ug/L	MW-5	03/03/2021		410.0000 *	210.2265
Barium, total	ug/L	MW-5	09/10/2021		335.0000 *	210.2265
Barium, total	ug/L	MW-5	03/04/2022		375.0000 *	210.2265
Barium, total	ug/L	MW-5	09/02/2022		442.0000 *	210.2265
Barium, total	ug/L	MW-5	03/21/2023		391.0000 *	210.2265
Barium, total	ug/L	MW-5	03/01/2024		549.0000 *	210.2265
Barium, total	ug/L	MW-5	09/11/2024		381.0000 *	210.2265
Barium, total	ug/L	MW-5	03/17/2025		317.0000 *	210.2265
Barium, total	ug/L	MW-5	09/17/2025		324.0000 *	210.2265
Nickel, total	ug/L	MW-5	03/20/2009		64.2000 *	10.5000
Nickel, total	ug/L	MW-5	06/15/2009		55.4000 *	10.5000
Nickel, total	ug/L	MW-5	07/13/2009		56.2000 *	10.5000
Nickel, total	ug/L	MW-5	09/02/2009		81.0000 *	10.5000
Nickel, total	ug/L	MW-5	03/24/2010		31.1000 *	10.5000
Nickel, total	ug/L	MW-5	06/10/2010		34.5000 *	10.5000
Nickel, total	ug/L	MW-5	09/16/2010		35.4000 *	10.5000
Nickel, total	ug/L	MW-5	10/20/2010		32.4000 *	10.5000
Nickel, total	ug/L	MW-5	03/14/2011		31.0000 *	10.5000
Nickel, total	ug/L	MW-5	09/12/2011		37.4000 *	10.5000
Nickel, total	ug/L	MW-5	03/15/2012		32.6000 *	10.5000
Nickel, total	ug/L	MW-5	09/04/2012		19.9000 *	10.5000
Nickel, total	ug/L	MW-5	04/03/2013		23.3000 *	10.5000
Nickel, total	ug/L	MW-5	09/11/2013		83.7000 *	10.5000
Nickel, total	ug/L	MW-5	04/11/2014		38.4000 *	10.5000
Nickel, total	ug/L	MW-5	09/22/2014		52.4000 *	10.5000
Nickel, total	ug/L	MW-5	04/21/2015		32.2000 *	10.5000
Nickel, total	ug/L	MW-5	09/08/2015		38.5000 *	10.5000
Nickel, total	ug/L	MW-5	02/25/2016		13.9000 *	10.5000
Nickel, total	ug/L	MW-5	09/06/2016		20.0000 *	10.5000
Nickel, total	ug/L	MW-5	03/06/2017		28.0000 *	10.5000
Nickel, total	ug/L	MW-5	09/05/2017		15.7000 *	10.5000
Nickel, total	ug/L	MW-5	03/02/2018		11.2000 *	10.5000
Nickel, total	ug/L	MW-5	09/04/2018		9.2000 *	10.5000
Nickel, total	ug/L	MW-5	03/27/2019		13.1000 *	10.5000
Nickel, total	ug/L	MW-5	09/07/2019		20.2000 *	10.5000
Nickel, total	ug/L	MW-5	03/30/2020		13.2000 *	10.5000
Nickel, total	ug/L	MW-5	09/01/2020		16.5000 *	10.5000
Nickel, total	ug/L	MW-5	03/03/2021		10.7000 *	10.5000
Nickel, total	ug/L	MW-5	09/10/2021		9.5000 *	10.5000
Nickel, total	ug/L	MW-5	03/04/2022		10.6000 *	10.5000
Nickel, total	ug/L	MW-5	09/02/2022		21.0000 *	10.5000
Nickel, total	ug/L	MW-5	03/21/2023		12.1000 *	10.5000
Nickel, total	ug/L	MW-5	03/01/2024		29.9000 *	10.5000
Nickel, total	ug/L	MW-5	09/11/2024		14.0000 *	10.5000
Nickel, total	ug/L	MW-5	03/17/2025		10.6000 *	10.5000
Nickel, total	ug/L	MW-5	09/17/2025		13.2000 *	10.5000
Zinc, total	ug/L	MW-5	03/20/2009		31.6000 *	20.0000
Zinc, total	ug/L	MW-5	06/15/2009		36.4000 *	20.0000
Zinc, total	ug/L	MW-5	07/13/2009		65.5000 *	20.0000
Zinc, total	ug/L	MW-5	09/02/2009		22.0000 *	20.0000
Zinc, total	ug/L	MW-5	03/24/2010		14.6000 *	20.0000
Zinc, total	ug/L	MW-5	06/10/2010		153.0000 *	20.0000
Zinc, total	ug/L	MW-5	09/16/2010		20.6000 *	20.0000
Zinc, total	ug/L	MW-5	10/20/2010		53.5000 *	20.0000
Zinc, total	ug/L	MW-5	03/14/2011		8.2000 *	20.0000
Zinc, total	ug/L	MW-5	09/12/2011		8.3000 *	20.0000
Zinc, total	ug/L	MW-5	03/15/2012	ND	8.0000 *	20.0000
Zinc, total	ug/L	MW-5	09/04/2012		13.3000 *	20.0000
Zinc, total	ug/L	MW-5	04/03/2013		9.5000 *	20.0000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result		Pred. Limit
Zinc, total	ug/L	MW-5	09/11/2013		196.0000	*	20.0000
Zinc, total	ug/L	MW-5	04/11/2014	ND	20.0000		20.0000
Zinc, total	ug/L	MW-5	09/22/2014		10.6000		20.0000
Zinc, total	ug/L	MW-5	04/21/2015		8.2000		20.0000
Zinc, total	ug/L	MW-5	09/08/2015	ND	8.0000		20.0000
Zinc, total	ug/L	MW-5	02/25/2016	ND	8.0000		20.0000
Zinc, total	ug/L	MW-5	09/06/2016		8.8000		20.0000
Zinc, total	ug/L	MW-5	03/06/2017	ND	8.0000		20.0000
Zinc, total	ug/L	MW-5	09/05/2017	ND	8.0000		20.0000
Zinc, total	ug/L	MW-5	03/02/2018	ND	8.0000		20.0000
Zinc, total	ug/L	MW-5	09/04/2018		24.5000	*	20.0000
Zinc, total	ug/L	MW-5	03/27/2019		24.4000	*	20.0000
Zinc, total	ug/L	MW-5	09/07/2019	ND	8.0000		20.0000
Zinc, total	ug/L	MW-5	03/30/2020	ND	20.0000		20.0000
Zinc, total	ug/L	MW-5	09/01/2020	ND	20.0000		20.0000
Zinc, total	ug/L	MW-5	03/03/2021	ND	20.0000		20.0000
Zinc, total	ug/L	MW-5	09/10/2021	ND	20.0000		20.0000
Zinc, total	ug/L	MW-5	03/04/2022	ND	20.0000		20.0000
Zinc, total	ug/L	MW-5	09/02/2022	ND	20.0000		20.0000
Zinc, total	ug/L	MW-5	03/21/2023	ND	20.0000		20.0000
Zinc, total	ug/L	MW-5	03/01/2024	ND	20.0000		20.0000
Zinc, total	ug/L	MW-5	09/11/2024	ND	20.0000		20.0000
Zinc, total	ug/L	MW-5	03/17/2025	ND	20.0000		20.0000
Zinc, total	ug/L	MW-5	09/17/2025		22.0000	*	20.0000
Barium, total	ug/L	MW-6	03/14/2011		246.0000	*	210.2265
Barium, total	ug/L	MW-6	03/15/2012		232.0000	*	210.2265
Barium, total	ug/L	MW-6	09/04/2012		217.0000	*	210.2265
Barium, total	ug/L	MW-6	04/03/2013		243.0000	*	210.2265
Barium, total	ug/L	MW-6	09/11/2013		217.0000	*	210.2265
Barium, total	ug/L	MW-6	04/11/2014		272.0000	*	210.2265
Barium, total	ug/L	MW-6	09/22/2014		218.0000	*	210.2265
Barium, total	ug/L	MW-6	04/21/2015		208.0000	*	210.2265
Barium, total	ug/L	MW-6	09/08/2015		233.0000	*	210.2265
Barium, total	ug/L	MW-6	02/25/2016		211.0000	*	210.2265
Barium, total	ug/L	MW-6	09/06/2016		252.0000	*	210.2265
Barium, total	ug/L	MW-6	03/06/2017		224.0000	*	210.2265
Barium, total	ug/L	MW-6	09/05/2017		230.0000	*	210.2265
Barium, total	ug/L	MW-6	03/02/2018		214.0000	*	210.2265
Barium, total	ug/L	MW-6	09/04/2018		221.0000	*	210.2265
Barium, total	ug/L	MW-6	03/27/2019		221.0000	*	210.2265
Barium, total	ug/L	MW-6	09/07/2019		217.0000	*	210.2265
Barium, total	ug/L	MW-6	03/30/2020		267.0000	*	210.2265
Barium, total	ug/L	MW-6	09/01/2020		224.0000	*	210.2265
Barium, total	ug/L	MW-6	03/03/2021		256.0000	*	210.2265
Barium, total	ug/L	MW-6	09/10/2021		193.0000	*	210.2265
Barium, total	ug/L	MW-6	03/04/2022		237.0000	*	210.2265
Barium, total	ug/L	MW-6	09/02/2022		255.0000	*	210.2265
Barium, total	ug/L	MW-6	03/21/2023		254.0000	*	210.2265
Barium, total	ug/L	MW-6	09/26/2023		246.0000	*	210.2265
Barium, total	ug/L	MW-6	03/01/2024		234.0000	*	210.2265
Barium, total	ug/L	MW-6	09/11/2024		214.0000	*	210.2265
Barium, total	ug/L	MW-6	03/17/2025		211.0000	*	210.2265
Barium, total	ug/L	MW-6	09/17/2025		192.0000	*	210.2265
Barium, total	ug/L	MW-7	03/14/2011		658.0000	*	210.2265
Barium, total	ug/L	MW-7	03/15/2012		596.0000	*	210.2265
Barium, total	ug/L	MW-7	09/04/2012		419.0000	*	210.2265
Barium, total	ug/L	MW-7	04/03/2013		345.0000	*	210.2265
Barium, total	ug/L	MW-7	09/11/2013		377.0000	*	210.2265
Barium, total	ug/L	MW-7	04/11/2014		403.0000	*	210.2265
Barium, total	ug/L	MW-7	09/22/2014		404.0000	*	210.2265
Barium, total	ug/L	MW-7	04/21/2015		342.0000	*	210.2265
Barium, total	ug/L	MW-7	09/08/2015		304.0000	*	210.2265
Barium, total	ug/L	MW-7	02/25/2016		282.0000	*	210.2265
Barium, total	ug/L	MW-7	09/06/2016		291.0000	*	210.2265
Barium, total	ug/L	MW-7	03/06/2017		325.0000	*	210.2265
Barium, total	ug/L	MW-7	09/05/2017		379.0000	*	210.2265
Barium, total	ug/L	MW-7	12/05/2017		355.0000	*	210.2265
Barium, total	ug/L	MW-7	03/02/2018		362.0000	*	210.2265
Barium, total	ug/L	MW-7	09/04/2018		298.0000	*	210.2265
Barium, total	ug/L	MW-7	03/27/2019		297.0000	*	210.2265
Barium, total	ug/L	MW-7	09/07/2019		334.0000	*	210.2265

* - 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
Barium, total	ug/L	MW-7	03/30/2020		311.0000	*	210.2265
Barium, total	ug/L	MW-7	09/01/2020		315.0000	*	210.2265
Barium, total	ug/L	MW-7	03/03/2021		325.0000	*	210.2265
Barium, total	ug/L	MW-7	09/10/2021		281.0000	*	210.2265
Barium, total	ug/L	MW-7	03/04/2022		317.0000	*	210.2265
Barium, total	ug/L	MW-7	09/02/2022		284.0000	*	210.2265
Barium, total	ug/L	MW-7	03/21/2023		342.0000	*	210.2265
Barium, total	ug/L	MW-7	09/26/2023		282.0000	*	210.2265
Barium, total	ug/L	MW-7	03/01/2024		273.0000	*	210.2265
Barium, total	ug/L	MW-7	09/11/2024		1020.0000	*	210.2265
Barium, total	ug/L	MW-7	03/17/2025		382.0000	*	210.2265
Barium, total	ug/L	MW-7	09/17/2025		271.0000	*	210.2265
Cobalt, total	ug/L	MW-7	03/14/2011		53.5000	*	2.2000
Cobalt, total	ug/L	MW-7	03/15/2012		30.4000	*	2.2000
Cobalt, total	ug/L	MW-7	09/04/2012		7.6000	*	2.2000
Cobalt, total	ug/L	MW-7	04/03/2013		5.9000	*	2.2000
Cobalt, total	ug/L	MW-7	09/11/2013		9.3000	*	2.2000
Cobalt, total	ug/L	MW-7	04/11/2014		11.5000	*	2.2000
Cobalt, total	ug/L	MW-7	09/22/2014		2.8000	*	2.2000
Cobalt, total	ug/L	MW-7	04/21/2015		0.8000		2.2000
Cobalt, total	ug/L	MW-7	09/08/2015	ND	0.8000		2.2000
Cobalt, total	ug/L	MW-7	02/25/2016	ND	0.8000		2.2000
Cobalt, total	ug/L	MW-7	09/06/2016	ND	0.8000		2.2000
Cobalt, total	ug/L	MW-7	03/06/2017		1.4000		2.2000
Cobalt, total	ug/L	MW-7	09/05/2017		6.0000	*	2.2000
Cobalt, total	ug/L	MW-7	12/05/2017		2.9000	*	2.2000
Cobalt, total	ug/L	MW-7	03/02/2018		4.5000	*	2.2000
Cobalt, total	ug/L	MW-7	04/10/2018		4.0000	*	2.2000
Cobalt, total	ug/L	MW-7	09/04/2018	ND	0.8000		2.2000
Cobalt, total	ug/L	MW-7	03/27/2019	ND	0.8000		2.2000
Cobalt, total	ug/L	MW-7	09/07/2019	ND	0.8000		2.2000
Cobalt, total	ug/L	MW-7	03/30/2020	ND	0.8000		2.2000
Cobalt, total	ug/L	MW-7	09/01/2020		0.6000		2.2000
Cobalt, total	ug/L	MW-7	03/03/2021	ND	0.4000		2.2000
Cobalt, total	ug/L	MW-7	09/10/2021	ND	0.4000		2.2000
Cobalt, total	ug/L	MW-7	03/04/2022		0.8000		2.2000
Cobalt, total	ug/L	MW-7	09/02/2022	ND	0.4000		2.2000
Cobalt, total	ug/L	MW-7	03/21/2023		3.6000	*	2.2000
Cobalt, total	ug/L	MW-7	09/26/2023	ND	0.4000		2.2000
Cobalt, total	ug/L	MW-7	03/01/2024		1.5000		2.2000
Cobalt, total	ug/L	MW-7	09/11/2024		11.9000	*	2.2000
Cobalt, total	ug/L	MW-7	03/17/2025		4.3000	*	2.2000
Cobalt, total	ug/L	MW-7	09/17/2025	ND	0.5000		2.2000
Zinc, total	ug/L	MW-7	03/14/2011		133.0000	*	20.0000
Zinc, total	ug/L	MW-7	03/15/2012		108.0000	*	20.0000
Zinc, total	ug/L	MW-7	09/04/2012		22.2000	*	20.0000
Zinc, total	ug/L	MW-7	04/03/2013		17.0000		20.0000
Zinc, total	ug/L	MW-7	09/11/2013		417.0000	*	20.0000
Zinc, total	ug/L	MW-7	04/11/2014		33.6000	*	20.0000
Zinc, total	ug/L	MW-7	09/22/2014	ND	8.0000		20.0000
Zinc, total	ug/L	MW-7	04/21/2015	ND	8.0000		20.0000
Zinc, total	ug/L	MW-7	09/08/2015	ND	8.0000		20.0000
Zinc, total	ug/L	MW-7	02/25/2016	ND	8.0000		20.0000
Zinc, total	ug/L	MW-7	09/06/2016	ND	8.0000		20.0000
Zinc, total	ug/L	MW-7	03/06/2017		14.9000		20.0000
Zinc, total	ug/L	MW-7	09/05/2017		11.2000		20.0000
Zinc, total	ug/L	MW-7	03/02/2018	ND	8.0000		20.0000
Zinc, total	ug/L	MW-7	09/04/2018	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	03/27/2019	ND	8.0000		20.0000
Zinc, total	ug/L	MW-7	09/07/2019	ND	8.0000		20.0000
Zinc, total	ug/L	MW-7	03/30/2020	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	09/01/2020	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	03/03/2021	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	09/10/2021	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	03/04/2022	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	09/02/2022	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	03/21/2023	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	09/26/2023	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	03/01/2024	ND	20.0000		20.0000
Zinc, total	ug/L	MW-7	09/11/2024		27.8000	*	20.0000
Zinc, total	ug/L	MW-7	03/17/2025		26.4000	*	20.0000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result		Pred. Limit
Zinc, total	ug/L	MW-7	09/17/2025		9.1000		20.0000
Arsenic, total	ug/L	MW-8	09/04/2012	ND	4.0000	**	4.0000
Arsenic, total	ug/L	MW-8	04/03/2013		4.0000		4.0000
Arsenic, total	ug/L	MW-8	09/11/2013		7.4000	*	4.0000
Arsenic, total	ug/L	MW-8	04/11/2014		6.4000	*	4.0000
Arsenic, total	ug/L	MW-8	09/22/2014		4.3000	*	4.0000
Arsenic, total	ug/L	MW-8	04/21/2015	ND	4.0000	**	4.0000
Arsenic, total	ug/L	MW-8	09/08/2015		4.2000	*	4.0000
Arsenic, total	ug/L	MW-8	02/25/2016		4.0000		4.0000
Arsenic, total	ug/L	MW-8	09/06/2016		5.3000	*	4.0000
Arsenic, total	ug/L	MW-8	03/06/2017		4.0000		4.0000
Arsenic, total	ug/L	MW-8	09/05/2017	ND	4.0000		4.0000
Arsenic, total	ug/L	MW-8	03/02/2018	ND	6.3000	*	4.0000
Arsenic, total	ug/L	MW-8	09/04/2018		4.0000		4.0000
Arsenic, total	ug/L	MW-8	03/27/2019		4.0000		4.0000
Arsenic, total	ug/L	MW-8	09/07/2019		4.5000	*	4.0000
Arsenic, total	ug/L	MW-8	03/30/2020		4.0000		4.0000
Arsenic, total	ug/L	MW-8	09/01/2020	ND	9.4000	*	4.0000
Arsenic, total	ug/L	MW-8	03/03/2021		7.2000	*	4.0000
Arsenic, total	ug/L	MW-8	09/10/2021		14.2000	*	4.0000
Arsenic, total	ug/L	MW-8	03/04/2022		15.4000	*	4.0000
Arsenic, total	ug/L	MW-8	09/02/2022		15.6000	*	4.0000
Arsenic, total	ug/L	MW-8	03/21/2023	ND	14.6000	*	4.0000
Arsenic, total	ug/L	MW-8	03/01/2024		15.4000	*	4.0000
Arsenic, total	ug/L	MW-8	06/13/2024		27.4500	*	4.0000
Arsenic, total	ug/L	MW-8	09/11/2024		4.0000		4.0000
Arsenic, total	ug/L	MW-8	03/17/2025		16.0000	*	4.0000
Arsenic, total	ug/L	MW-8	07/14/2025	ND	12.2000	*	4.0000
Arsenic, total	ug/L	MW-8	09/17/2025		13.8000	*	4.0000
Barium, total	ug/L	MW-8	03/20/2009		442.0000	*	210.2265
Barium, total	ug/L	MW-8	06/15/2009		510.0000	*	210.2265
Barium, total	ug/L	MW-8	07/13/2009		440.0000	*	210.2265
Barium, total	ug/L	MW-8	09/02/2009		379.0000	*	210.2265
Barium, total	ug/L	MW-8	03/24/2010		417.0000	*	210.2265
Barium, total	ug/L	MW-8	06/10/2010	ND	482.0000	*	210.2265
Barium, total	ug/L	MW-8	09/16/2010		434.0000	*	210.2265
Barium, total	ug/L	MW-8	10/20/2010		413.0000	*	210.2265
Barium, total	ug/L	MW-8	03/14/2011		421.0000	*	210.2265
Barium, total	ug/L	MW-8	09/12/2011		534.0000	*	210.2265
Barium, total	ug/L	MW-8	03/15/2012	ND	508.0000	*	210.2265
Barium, total	ug/L	MW-8	09/04/2012		585.0000	*	210.2265
Barium, total	ug/L	MW-8	04/03/2013		773.0000	*	210.2265
Barium, total	ug/L	MW-8	09/11/2013		768.0000	*	210.2265
Barium, total	ug/L	MW-8	04/11/2014		928.0000	*	210.2265
Barium, total	ug/L	MW-8	09/22/2014	ND	878.0000	*	210.2265
Barium, total	ug/L	MW-8	04/21/2015		1030.0000	*	210.2265
Barium, total	ug/L	MW-8	09/08/2015		1060.0000	*	210.2265
Barium, total	ug/L	MW-8	02/25/2016		443.0000	*	210.2265
Barium, total	ug/L	MW-8	09/06/2016		1490.0000	*	210.2265
Barium, total	ug/L	MW-8	03/06/2017	ND	1010.0000	*	210.2265
Barium, total	ug/L	MW-8	09/05/2017		911.0000	*	210.2265
Barium, total	ug/L	MW-8	03/02/2018		1110.0000	*	210.2265
Barium, total	ug/L	MW-8	09/04/2018		376.0000	*	210.2265
Barium, total	ug/L	MW-8	03/27/2019		266.0000	*	210.2265
Barium, total	ug/L	MW-8	09/07/2019	ND	669.0000	*	210.2265
Barium, total	ug/L	MW-8	03/30/2020		291.0000	*	210.2265
Barium, total	ug/L	MW-8	09/01/2020		1040.0000	*	210.2265
Barium, total	ug/L	MW-8	03/03/2021		1390.0000	*	210.2265
Barium, total	ug/L	MW-8	09/10/2021		1170.0000	*	210.2265
Barium, total	ug/L	MW-8	03/04/2022	ND	1300.0000	*	210.2265
Barium, total	ug/L	MW-8	09/02/2022		1090.0000	*	210.2265
Barium, total	ug/L	MW-8	03/21/2023		1180.0000	*	210.2265
Barium, total	ug/L	MW-8	03/01/2024		934.0000	*	210.2265
Barium, total	ug/L	MW-8	09/11/2024		332.0000	*	210.2265
Barium, total	ug/L	MW-8	03/17/2025	ND	1020.0000	*	210.2265
Barium, total	ug/L	MW-8	09/17/2025		1040.0000	*	210.2265
Cobalt, total	ug/L	MW-8	09/04/2012		14.1000	*	2.2000
Cobalt, total	ug/L	MW-8	04/03/2013		12.7000	*	2.2000
Cobalt, total	ug/L	MW-8	09/11/2013		21.5000	*	2.2000
Cobalt, total	ug/L	MW-8	04/11/2014		20.4000	*	2.2000
Cobalt, total	ug/L	MW-8	09/22/2014		23.4000	*	2.2000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result		Pred. Limit
Cobalt, total	ug/L	MW-8	04/21/2015		17.7000 *		2.2000
Cobalt, total	ug/L	MW-8	09/08/2015		21.7000 *		2.2000
Cobalt, total	ug/L	MW-8	02/25/2016		2.7000 *		2.2000
Cobalt, total	ug/L	MW-8	09/06/2016		25.1000 *		2.2000
Cobalt, total	ug/L	MW-8	03/06/2017		15.3000 *		2.2000
Cobalt, total	ug/L	MW-8	09/05/2017		13.2000 *		2.2000
Cobalt, total	ug/L	MW-8	03/02/2018		15.0000 *		2.2000
Cobalt, total	ug/L	MW-8	09/04/2018		1.6000		2.2000
Cobalt, total	ug/L	MW-8	03/27/2019		1.8000		2.2000
Cobalt, total	ug/L	MW-8	09/07/2019		9.6000 *		2.2000
Cobalt, total	ug/L	MW-8	03/30/2020		3.6000 *		2.2000
Cobalt, total	ug/L	MW-8	09/01/2020		13.1000 *		2.2000
Cobalt, total	ug/L	MW-8	03/03/2021		22.1000 *		2.2000
Cobalt, total	ug/L	MW-8	09/10/2021		10.4000 *		2.2000
Cobalt, total	ug/L	MW-8	03/04/2022		11.7000 *		2.2000
Cobalt, total	ug/L	MW-8	09/02/2022		8.2000 *		2.2000
Cobalt, total	ug/L	MW-8	03/21/2023		11.3000 *		2.2000
Cobalt, total	ug/L	MW-8	03/01/2024		6.9000 *		2.2000
Cobalt, total	ug/L	MW-8	06/13/2024		11.7000 *		2.2000
Cobalt, total	ug/L	MW-8	09/11/2024		3.6000 *		2.2000
Cobalt, total	ug/L	MW-8	03/17/2025		9.2000 *		2.2000
Cobalt, total	ug/L	MW-8	07/14/2025		9.3000 *		2.2000
Cobalt, total	ug/L	MW-8	09/17/2025		8.0000 *		2.2000
Nickel, total	ug/L	MW-8	03/20/2009		24.2000 *		10.5000
Nickel, total	ug/L	MW-8	06/15/2009		19.8000 *		10.5000
Nickel, total	ug/L	MW-8	07/13/2009		17.8000 *		10.5000
Nickel, total	ug/L	MW-8	09/02/2009		17.0000 *		10.5000
Nickel, total	ug/L	MW-8	03/24/2010		21.9000 *		10.5000
Nickel, total	ug/L	MW-8	06/10/2010		27.3000 *		10.5000
Nickel, total	ug/L	MW-8	09/16/2010		29.7000 *		10.5000
Nickel, total	ug/L	MW-8	10/20/2010		21.0000 *		10.5000
Nickel, total	ug/L	MW-8	03/14/2011		25.8000 *		10.5000
Nickel, total	ug/L	MW-8	09/12/2011		40.3000 *		10.5000
Nickel, total	ug/L	MW-8	03/15/2012		37.0000 *		10.5000
Nickel, total	ug/L	MW-8	09/04/2012		21.4000 *		10.5000
Nickel, total	ug/L	MW-8	04/03/2013		23.3000 *		10.5000
Nickel, total	ug/L	MW-8	09/11/2013		32.1000 *		10.5000
Nickel, total	ug/L	MW-8	04/11/2014		22.5000 *		10.5000
Nickel, total	ug/L	MW-8	09/22/2014		24.1000 *		10.5000
Nickel, total	ug/L	MW-8	04/21/2015		20.8000 *		10.5000
Nickel, total	ug/L	MW-8	09/08/2015		27.8000 *		10.5000
Nickel, total	ug/L	MW-8	02/25/2016		18.9000 *		10.5000
Nickel, total	ug/L	MW-8	09/06/2016		49.8000 *		10.5000
Nickel, total	ug/L	MW-8	03/06/2017		34.5000 *		10.5000
Nickel, total	ug/L	MW-8	09/05/2017		38.9000 *		10.5000
Nickel, total	ug/L	MW-8	03/02/2018		45.4000 *		10.5000
Nickel, total	ug/L	MW-8	09/04/2018		26.1000 *		10.5000
Nickel, total	ug/L	MW-8	03/27/2019		25.9000 *		10.5000
Nickel, total	ug/L	MW-8	09/07/2019		53.1000 *		10.5000
Nickel, total	ug/L	MW-8	03/30/2020		32.7000 *		10.5000
Nickel, total	ug/L	MW-8	09/01/2020		95.1000 *		10.5000
Nickel, total	ug/L	MW-8	03/03/2021		152.0000 *		10.5000
Nickel, total	ug/L	MW-8	09/10/2021		177.0000 *		10.5000
Nickel, total	ug/L	MW-8	03/04/2022		213.0000 *		10.5000
Nickel, total	ug/L	MW-8	09/02/2022		203.0000 *		10.5000
Nickel, total	ug/L	MW-8	03/21/2023		200.0000 *		10.5000
Nickel, total	ug/L	MW-8	03/01/2024		126.0000 *		10.5000
Nickel, total	ug/L	MW-8	06/13/2024		158.5000 *		10.5000
Nickel, total	ug/L	MW-8	09/11/2024		5.0000		10.5000
Nickel, total	ug/L	MW-8	03/17/2025		134.0000 *		10.5000
Nickel, total	ug/L	MW-8	07/14/2025		160.0000 *		10.5000
Nickel, total	ug/L	MW-8	09/17/2025		133.0000 *		10.5000

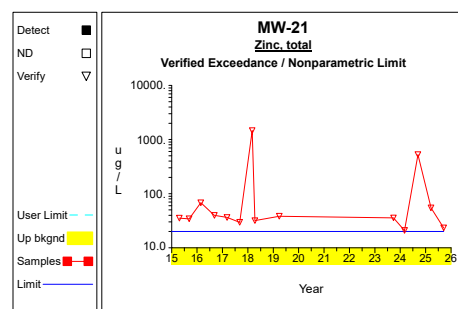
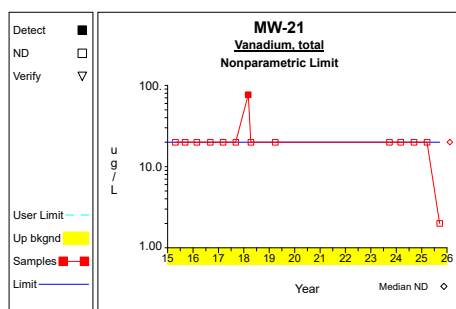
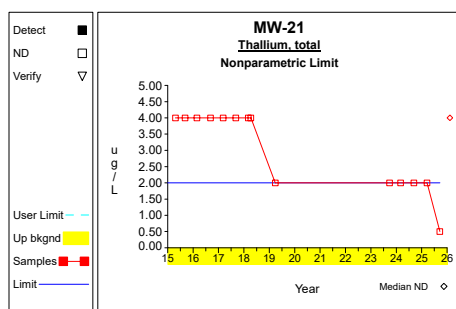
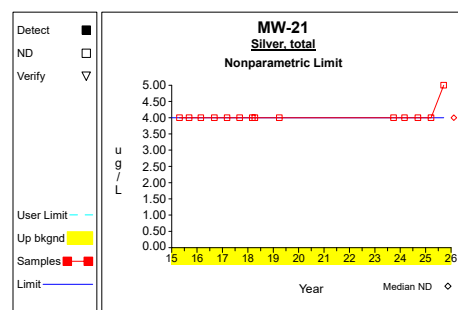
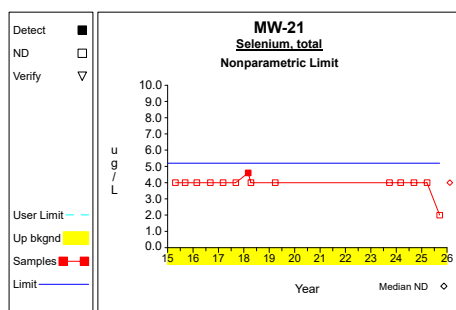
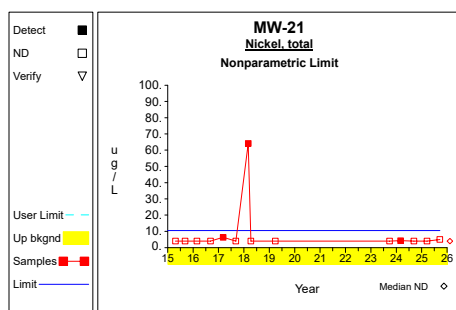
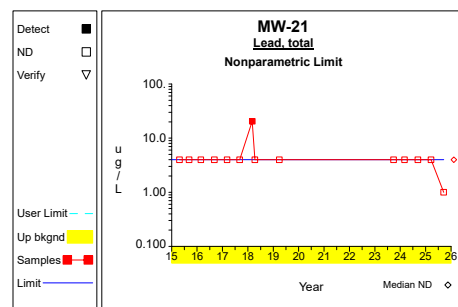
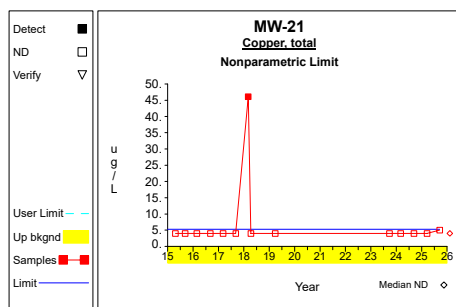
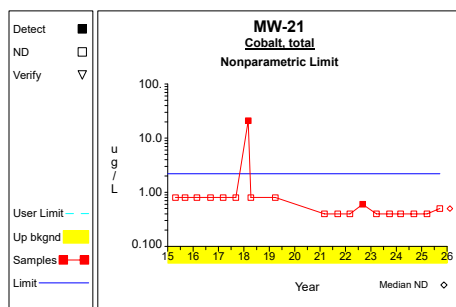
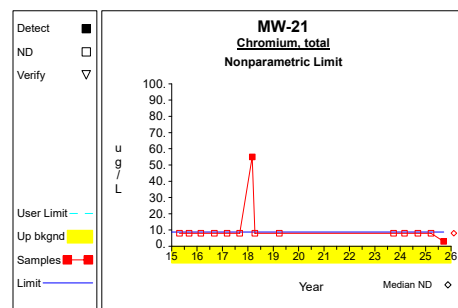
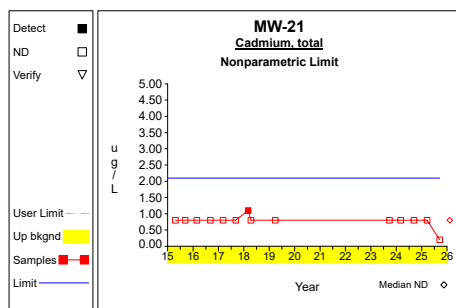
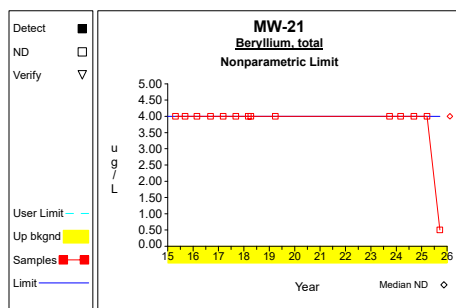
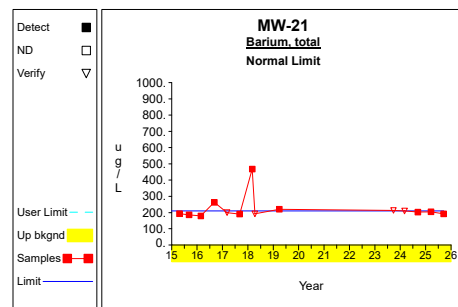
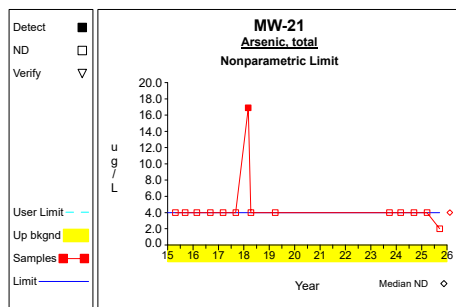
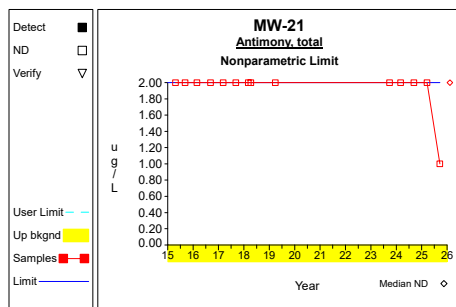
* - Significantly increased over background.

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

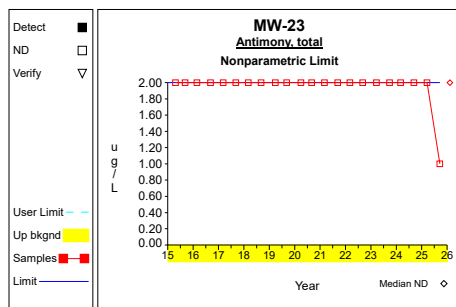
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

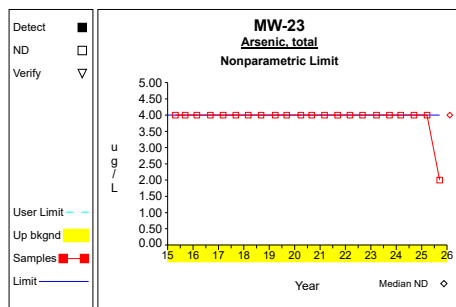
Up vs. Down Prediction Limits



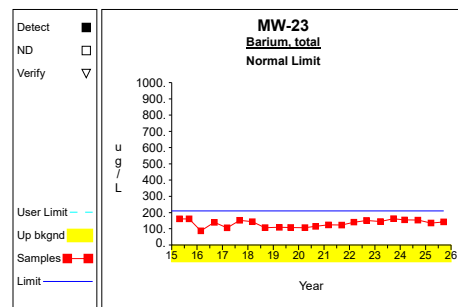
Up vs. Down Prediction Limits



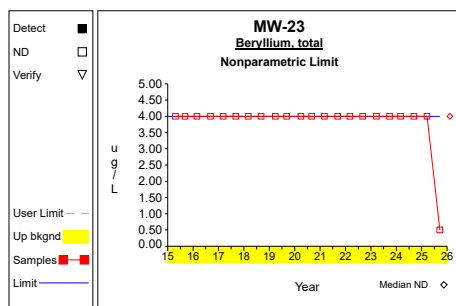
Graph 16



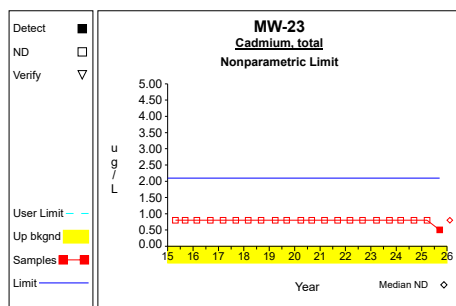
Graph 17



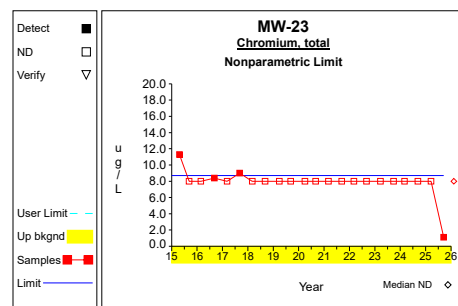
Graph 18



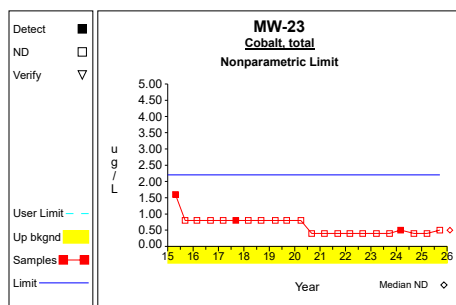
Graph 19



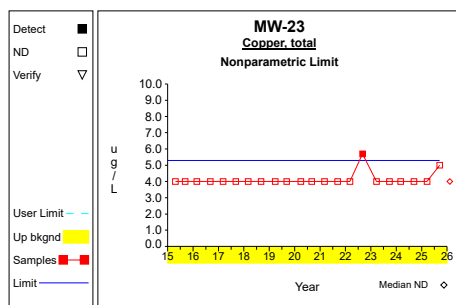
Graph 20



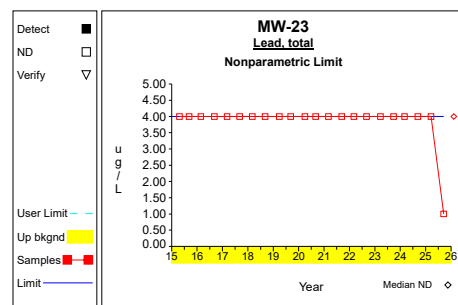
Graph 21



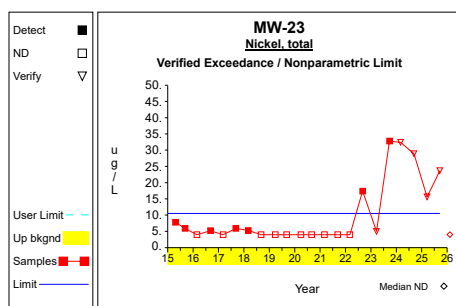
Graph 22



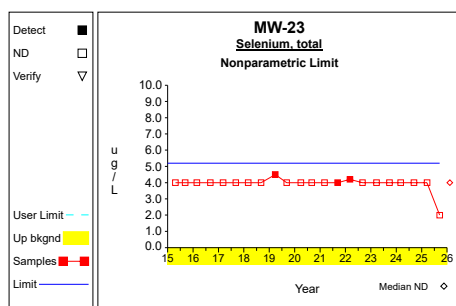
Graph 23



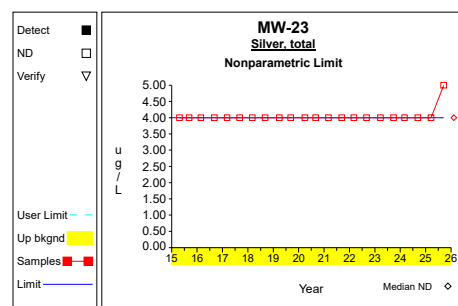
Graph 24



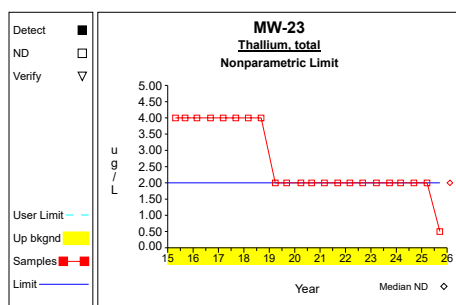
Graph 25



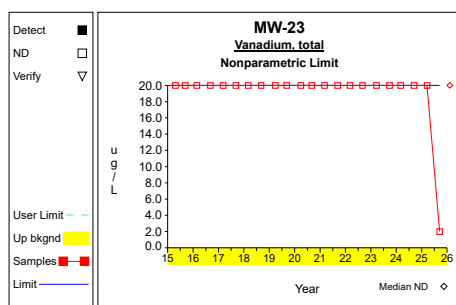
Graph 26



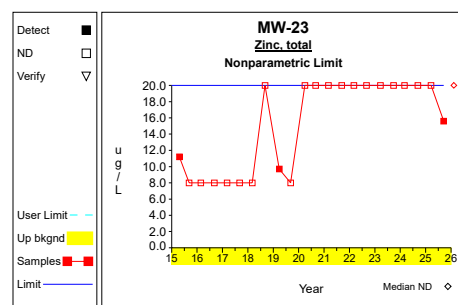
Graph 27



Graph 28

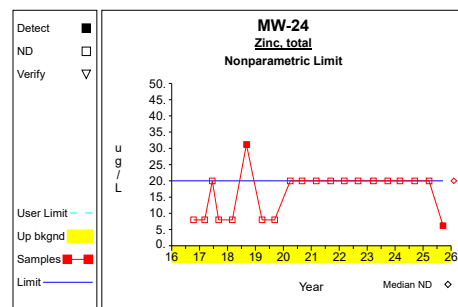
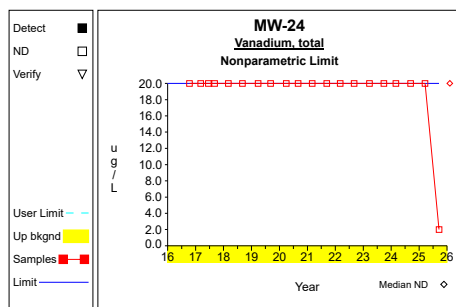
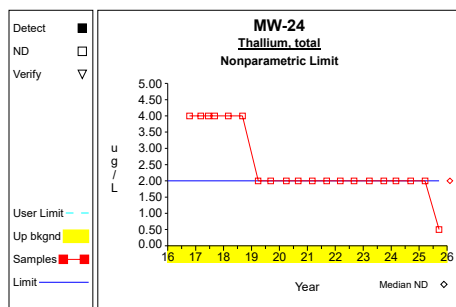
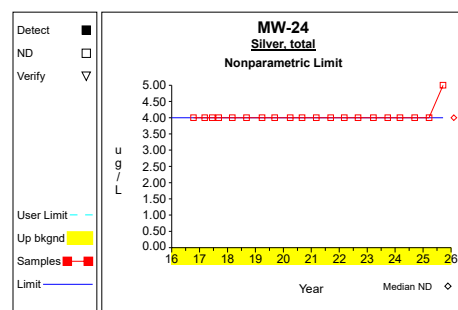
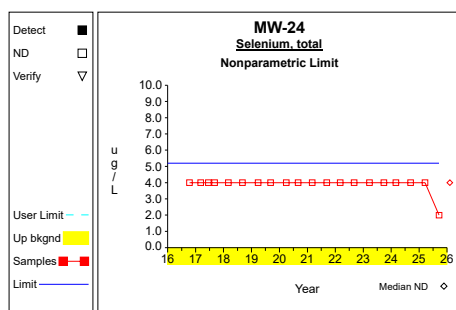
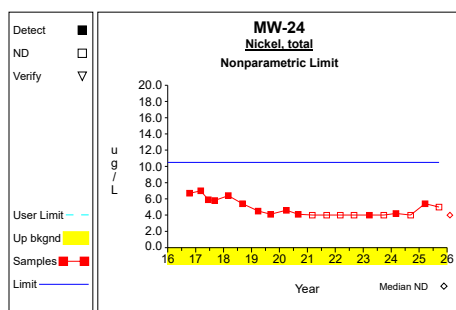
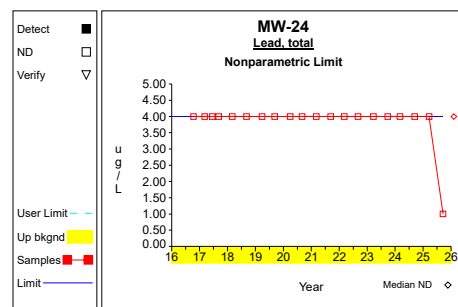
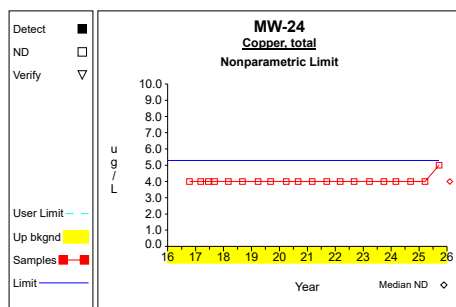
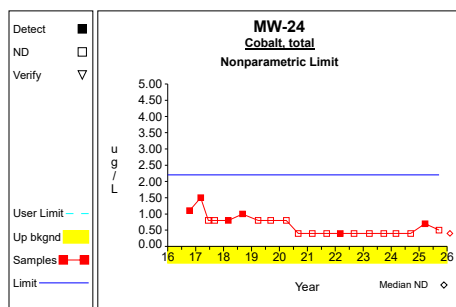
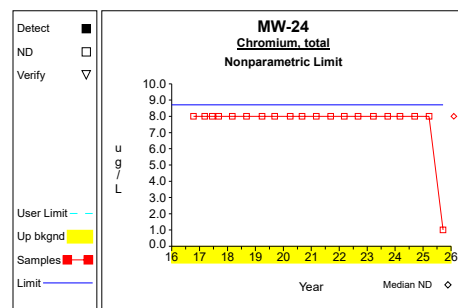
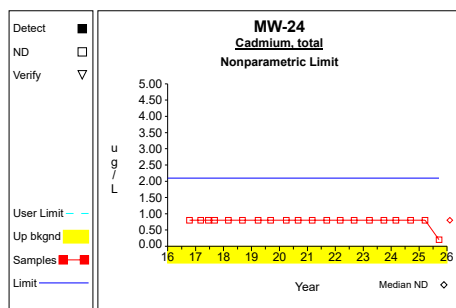
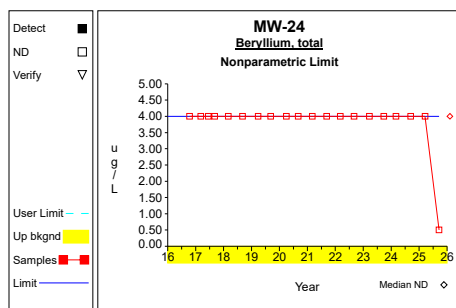
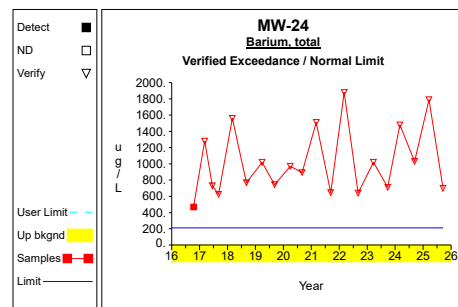
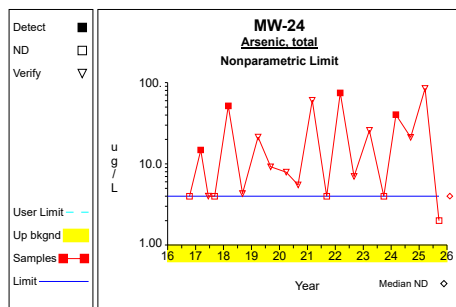
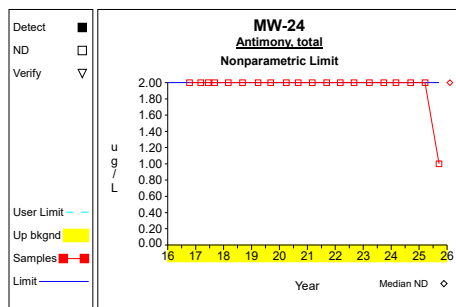


Graph 29

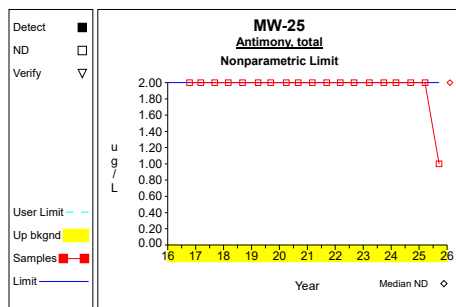


Graph 30

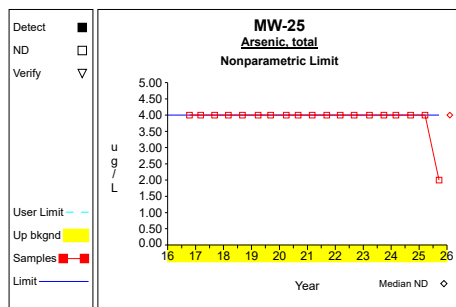
Up vs. Down Prediction Limits



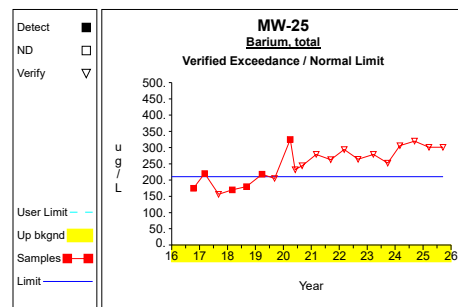
Up vs. Down Prediction Limits



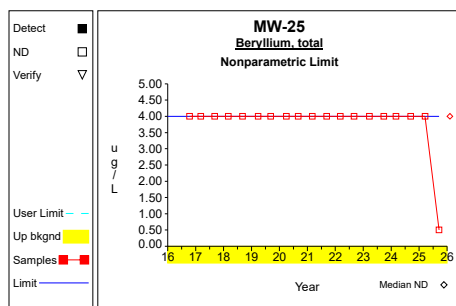
Graph 46



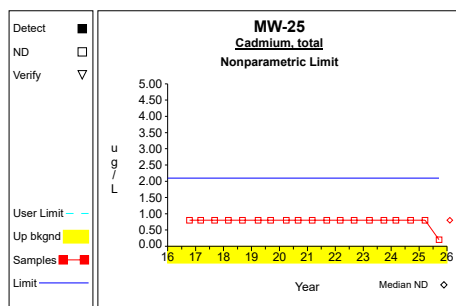
Graph 47



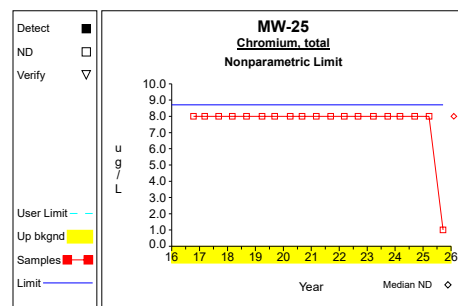
Graph 48



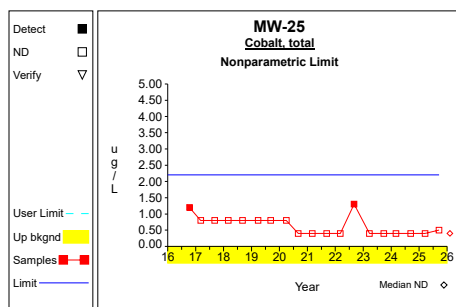
Graph 49



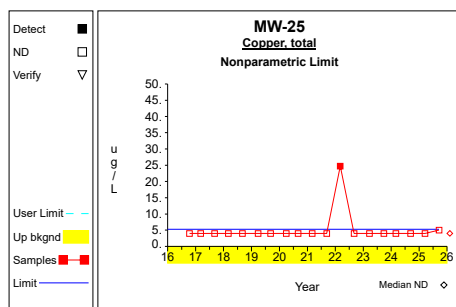
Graph 50



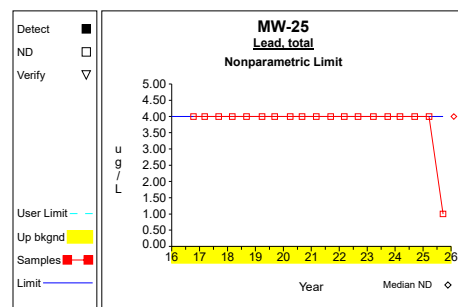
Graph 51



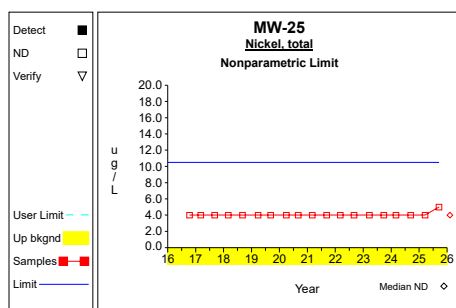
Graph 52



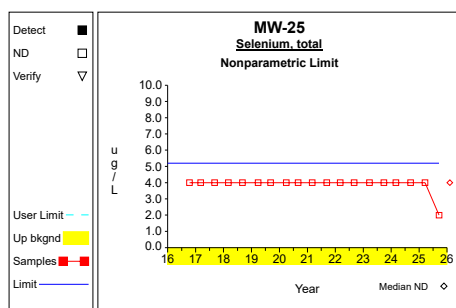
Graph 53



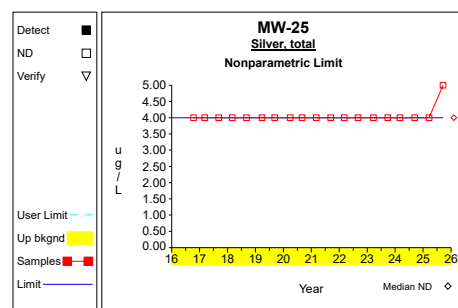
Graph 54



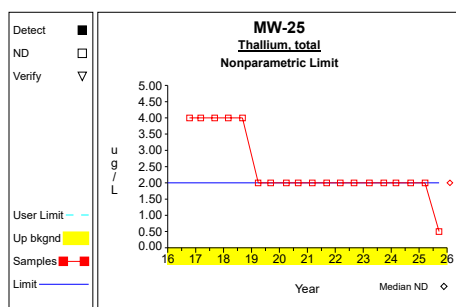
Graph 55



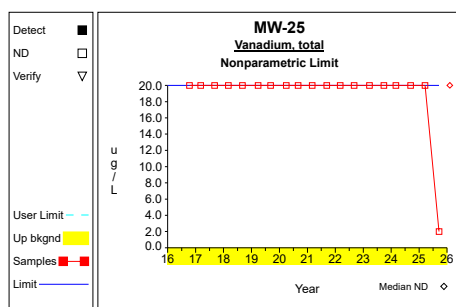
Graph 56



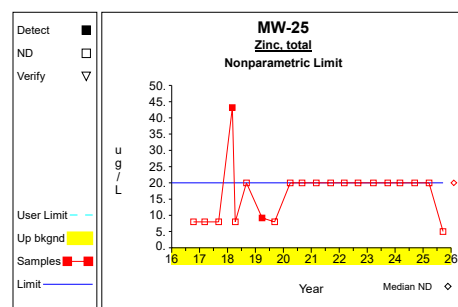
Graph 57



Graph 58

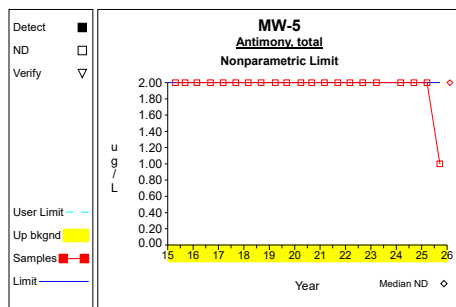


Graph 59

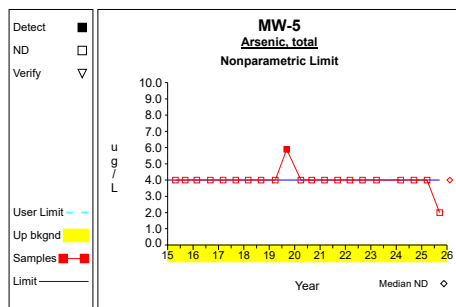


Graph 60

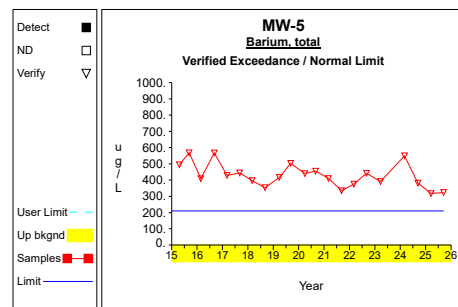
Up vs. Down Prediction Limits



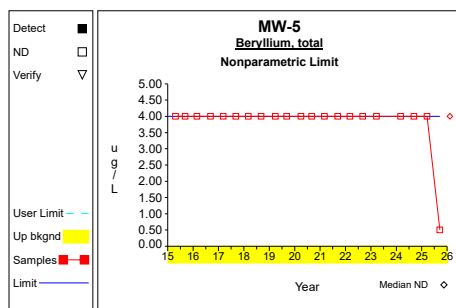
Graph 61



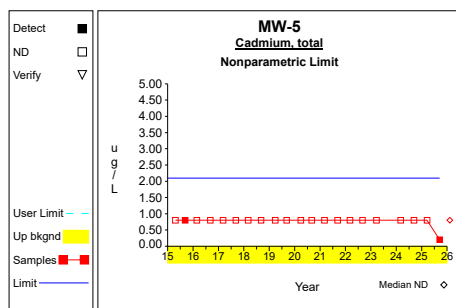
Graph 62



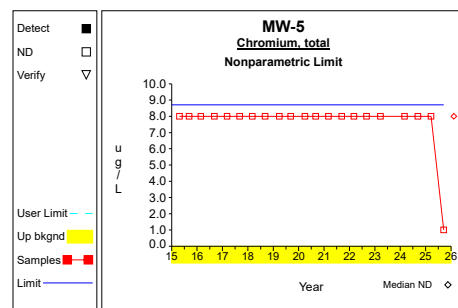
Graph 63



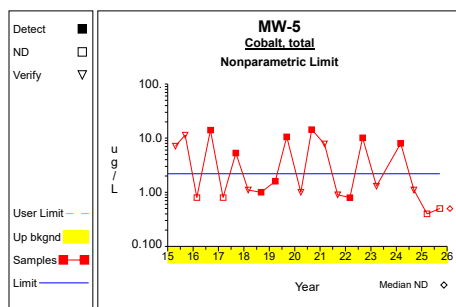
Graph 64



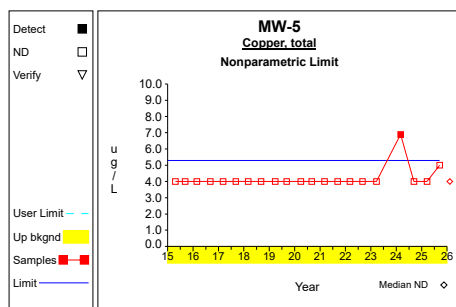
Graph 65



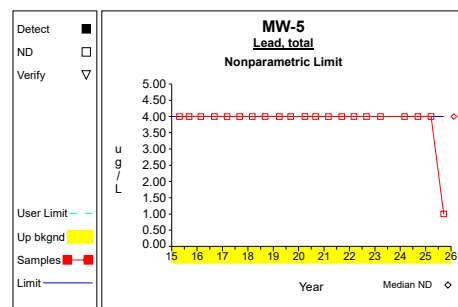
Graph 66



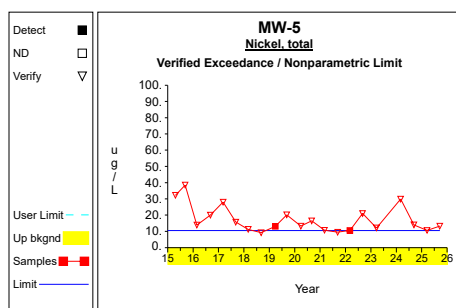
Graph 67



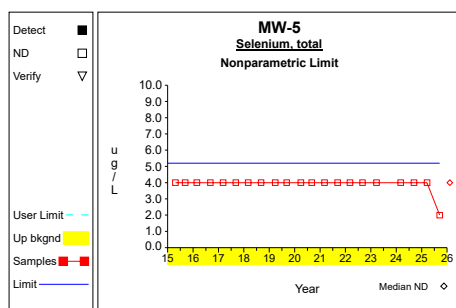
Graph 68



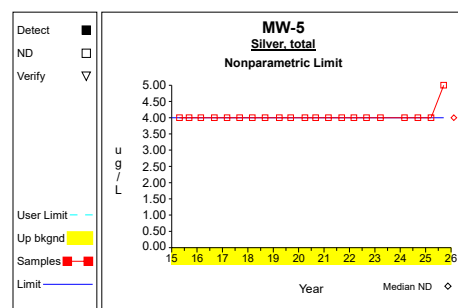
Graph 69



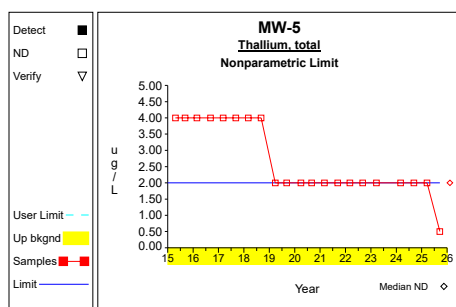
Graph 70



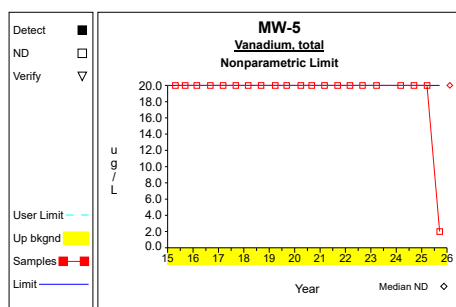
Graph 71



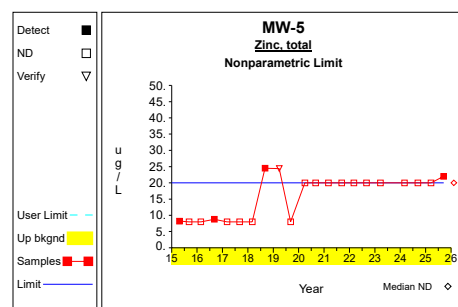
Graph 72



Graph 73

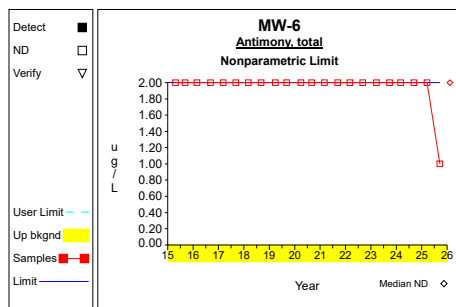


Graph 74

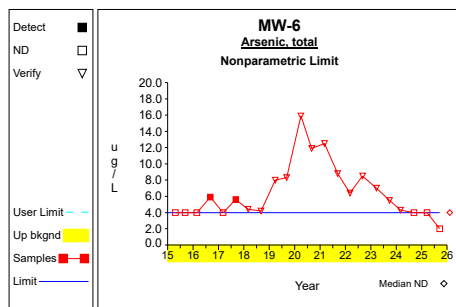


Graph 75

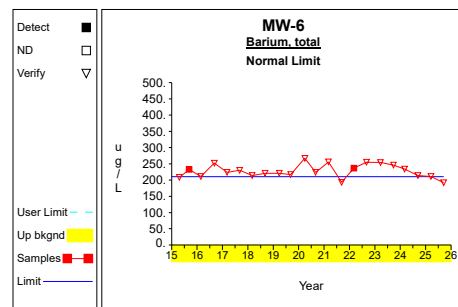
Up vs. Down Prediction Limits



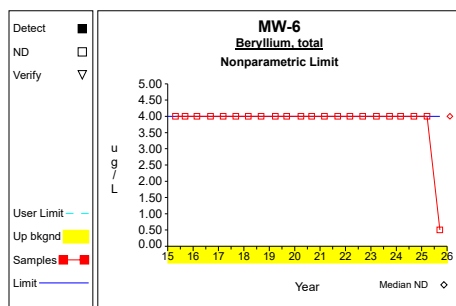
Graph 76



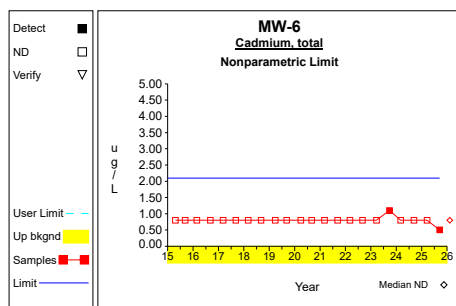
Graph 77



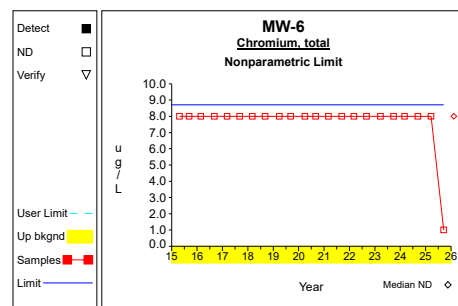
Graph 78



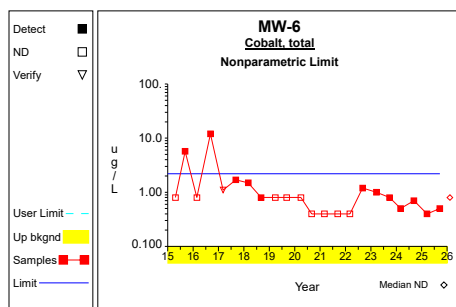
Graph 79



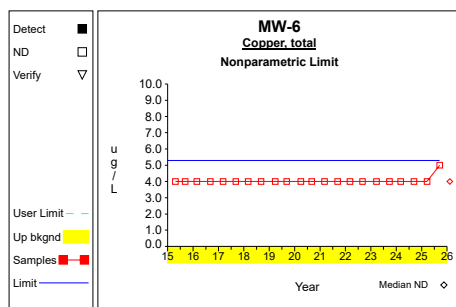
Graph 80



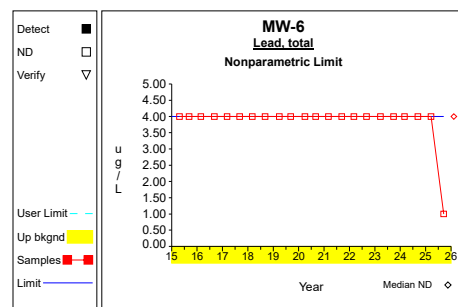
Graph 81



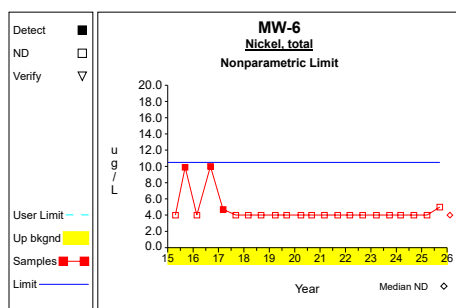
Graph 82



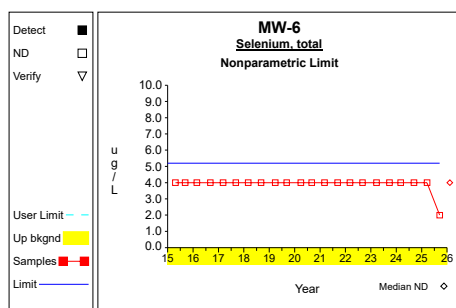
Graph 83



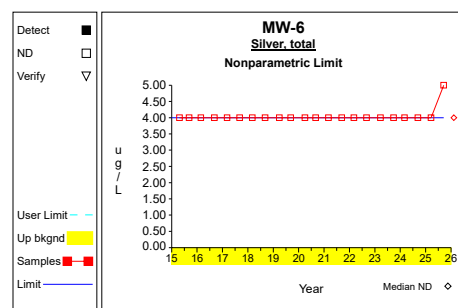
Graph 84



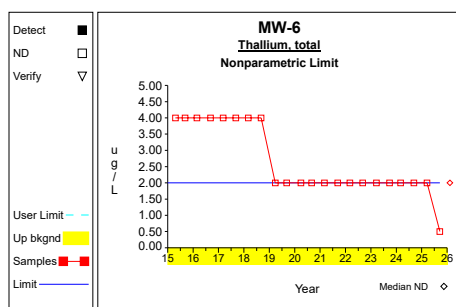
Graph 85



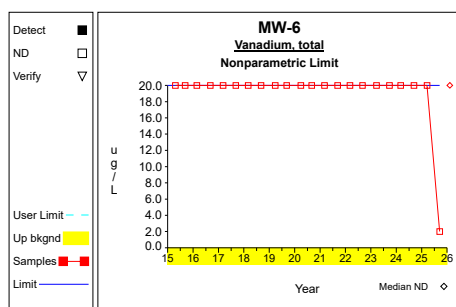
Graph 86



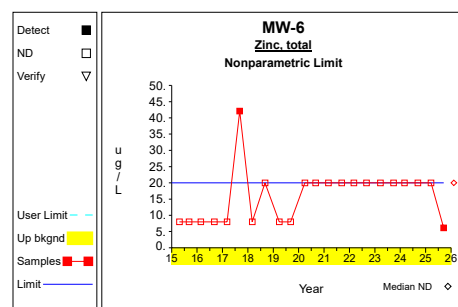
Graph 87



Graph 88

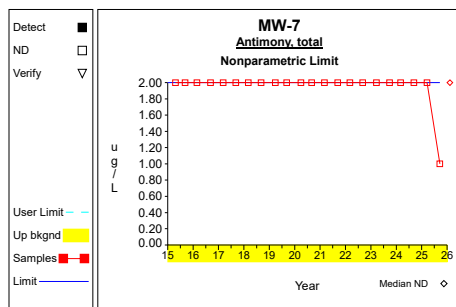


Graph 89

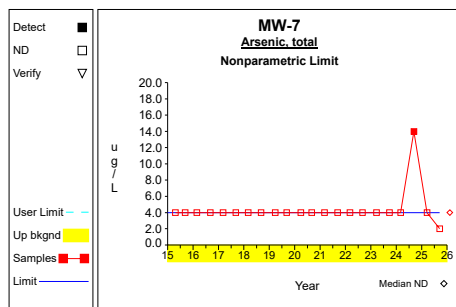


Graph 90

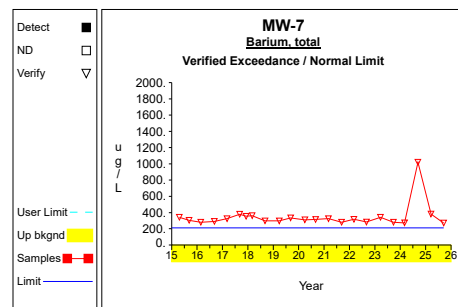
Up vs. Down Prediction Limits



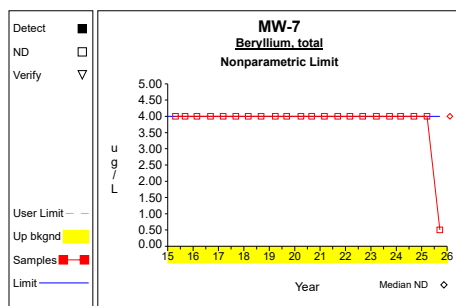
Graph 91



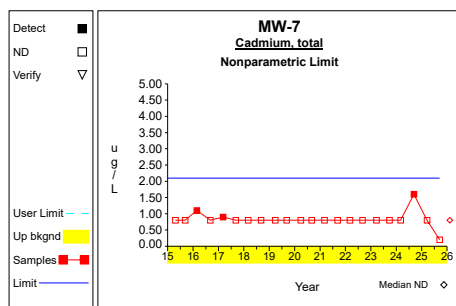
Graph 92



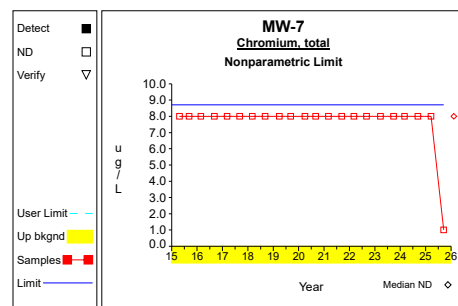
Graph 93



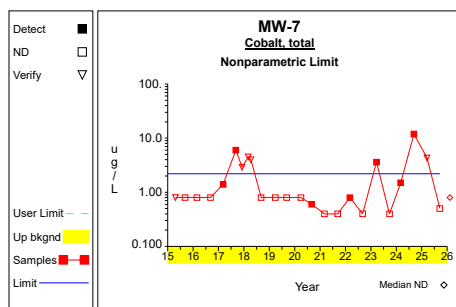
Graph 94



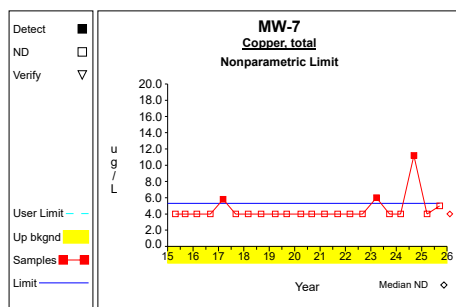
Graph 95



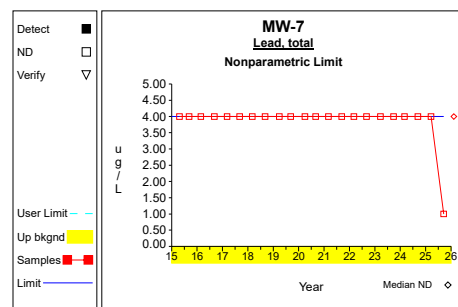
Graph 96



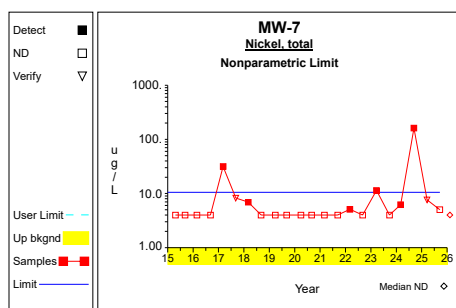
Graph 97



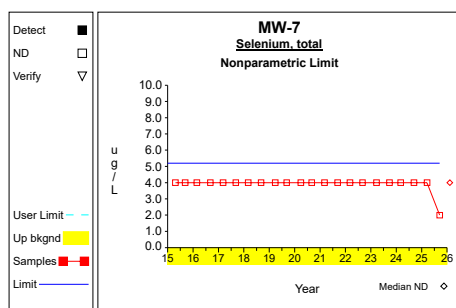
Graph 98



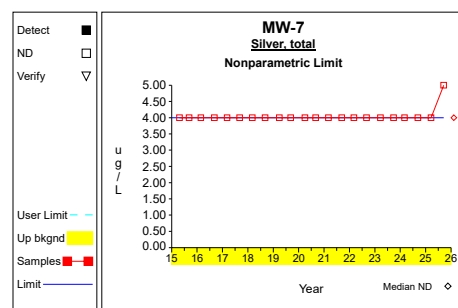
Graph 99



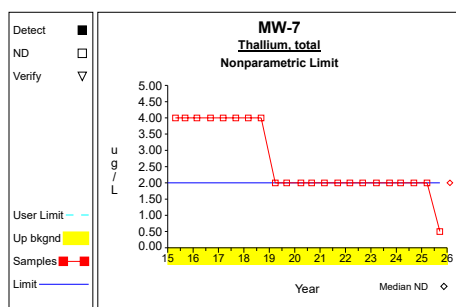
Graph 100



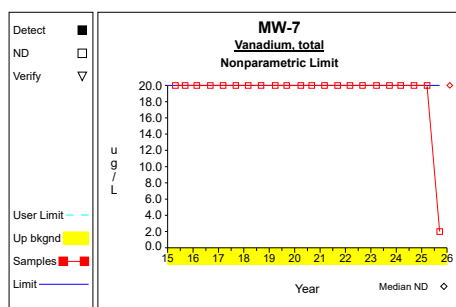
Graph 101



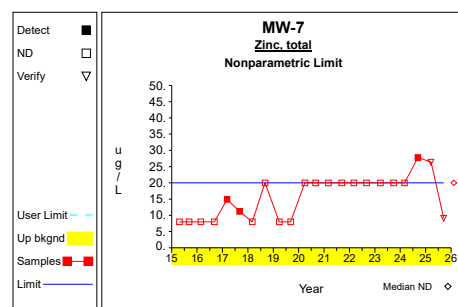
Graph 102



Graph 103

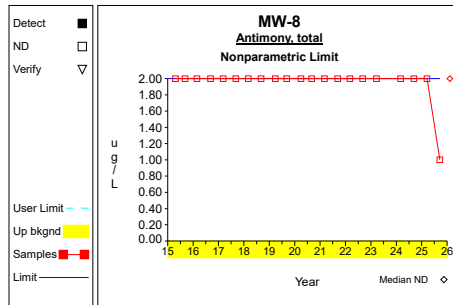


Graph 104

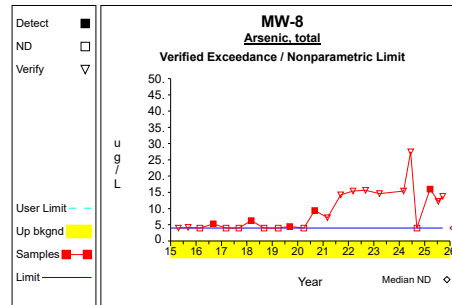


Graph 105

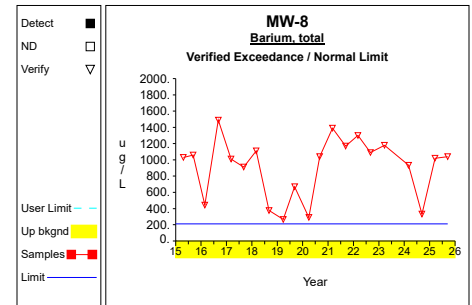
Up vs. Down Prediction Limits



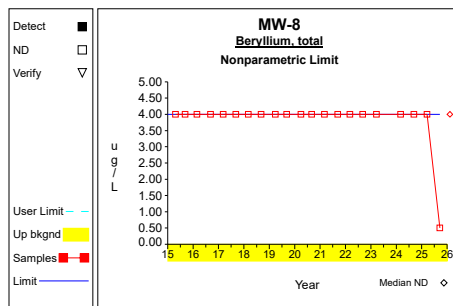
Graph 106



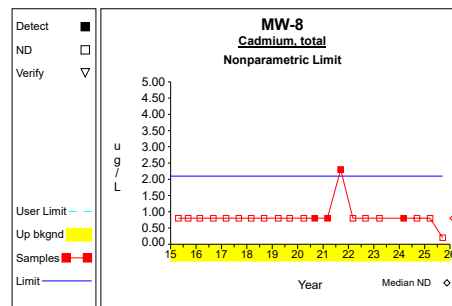
Graph 107



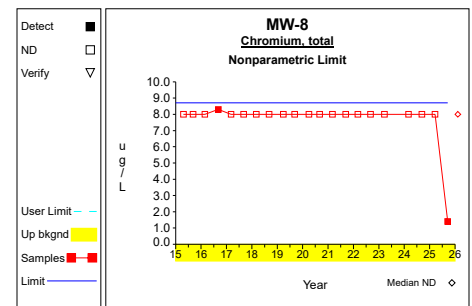
Graph 108



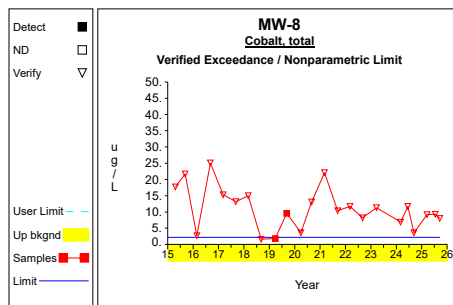
Graph 109



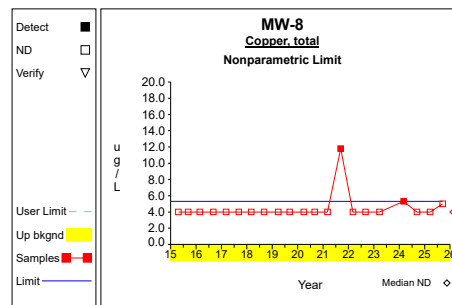
Graph 110



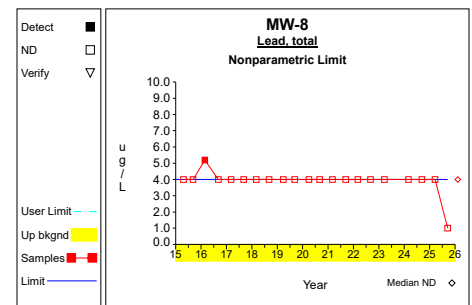
Graph 111



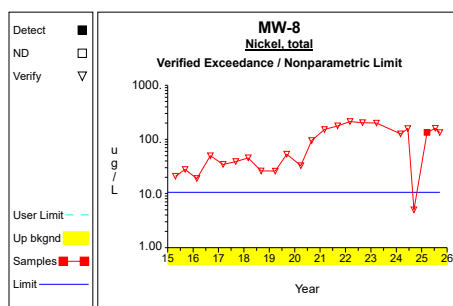
Graph 112



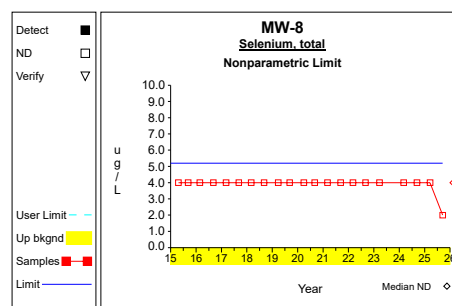
Graph 113



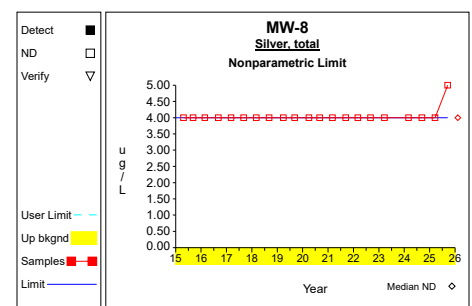
Graph 114



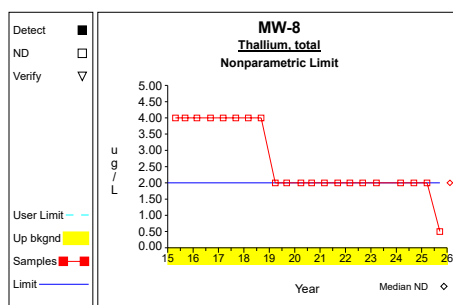
Graph 115



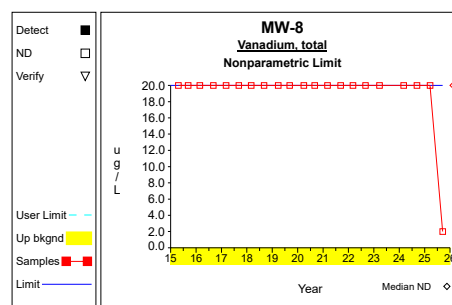
Graph 116



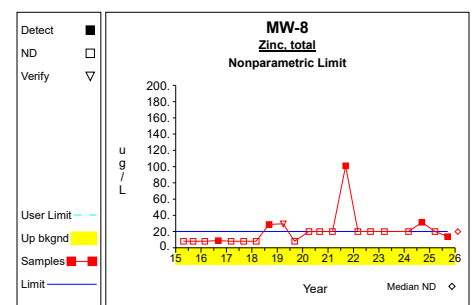
Graph 117



Graph 118



Graph 119



Graph 120

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

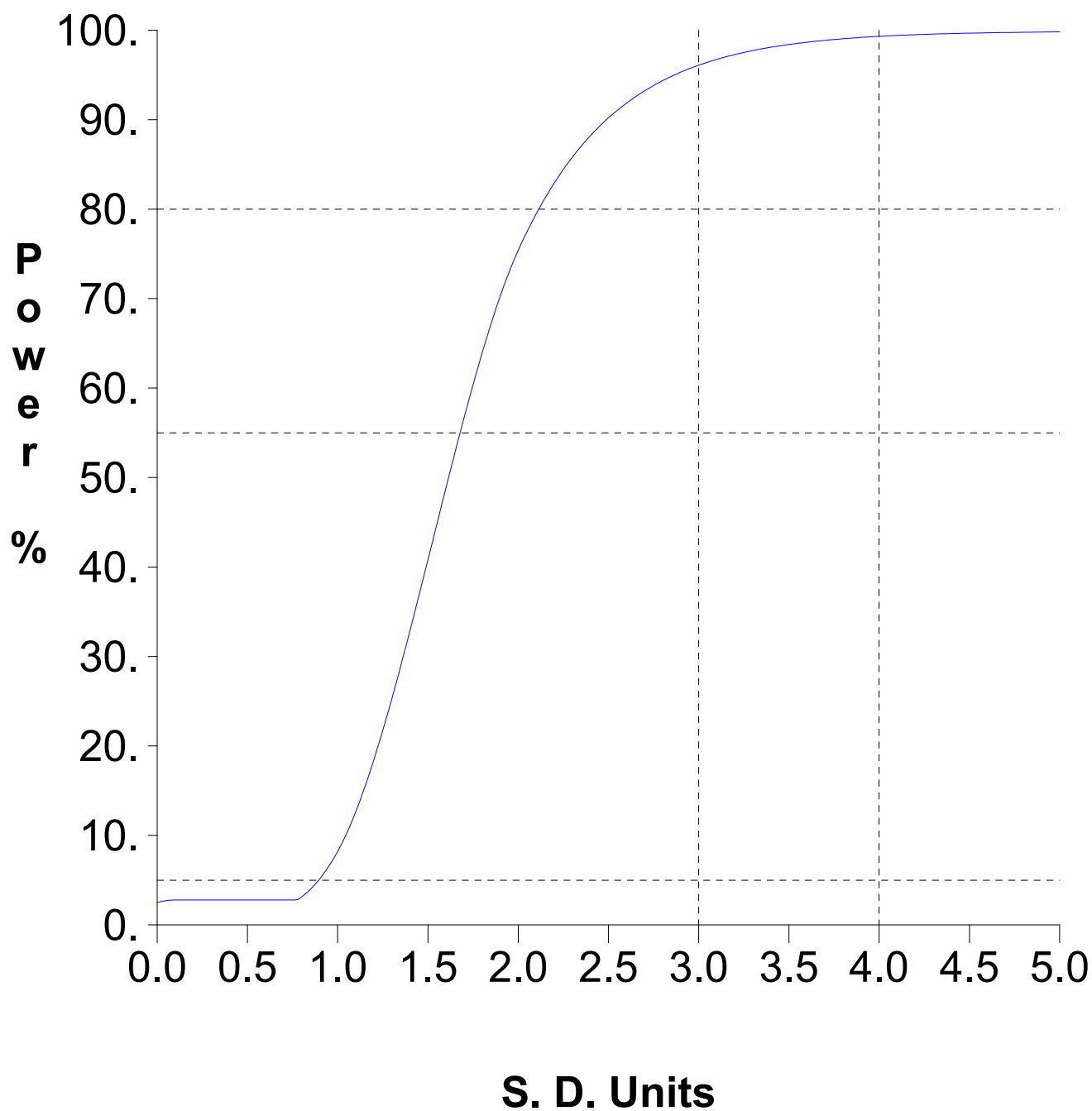


Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic, total	ug/L	MW-21	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-21	4	202.500	7.594	1.176	193.567	211.433	2000.000		
Cobalt, total	ug/L	MW-21	4	0.250	0.000	1.176	0.250	0.250	2.100		
Copper, total	ug/L	MW-21	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-21	4	2.575	1.150	1.176	1.222	3.928	100.000		
Zinc, total	ug/L	MW-21	4	156.175	247.025	1.176	0.000	446.747	2000.000		
Arsenic, total	ug/L	MW-23	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-23	4	146.750	9.287	1.176	135.826	157.674	2000.000		
Cobalt, total	ug/L	MW-23	4	0.313	0.125	1.176	0.165	0.460	2.100		
Copper, total	ug/L	MW-23	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-23	4	25.150	7.301	1.176	16.561	33.739	100.000		
Zinc, total	ug/L	MW-23	4	11.400	2.800	1.176	8.106	14.694	2000.000		
Arsenic, total	ug/L	MW-24	4	37.050	35.406	1.176	0.000	78.698	10.000		
Barium, total	ug/L	MW-24	4	1249.500	482.218	1.176	682.272	1816.728	2000.000		
Cobalt, total	ug/L	MW-24	4	0.325	0.250	1.176	0.031	0.619	2.100		
Copper, total	ug/L	MW-24	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-24	4	3.400	1.689	1.176	1.413	5.387	100.000	dec	
Zinc, total	ug/L	MW-24	4	9.050	1.900	1.176	6.815	11.285	2000.000		
Arsenic, total	ug/L	MW-25	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-25	4	307.000	8.981	1.176	296.435	317.565	2000.000	inc	
Cobalt, total	ug/L	MW-25	4	0.200	0.000	1.176	0.200	0.200	2.100		
Copper, total	ug/L	MW-25	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-25	4	2.000	0.000	1.176	2.000	2.000	100.000		
Zinc, total	ug/L	MW-25	4	10.000	0.000	1.176	10.000	10.000	2000.000		
Arsenic, total	ug/L	MW-5	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-5	4	392.750	108.038	1.176	265.666	519.834	2000.000		
Cobalt, total	ug/L	MW-5	4	2.400	3.755	1.176	0.000	6.817	2.100		
Copper, total	ug/L	MW-5	4	3.225	2.450	1.176	0.343	6.107	1300.000		
Nickel, total	ug/L	MW-5	4	16.925	8.771	1.176	6.608	27.242	100.000		
Zinc, total	ug/L	MW-5	4	13.000	6.000	1.176	5.942	20.058	2000.000		
Arsenic, total	ug/L	MW-6	4	2.575	1.150	1.176	1.222	3.928	10.000		
Barium, total	ug/L	MW-6	4	212.750	17.193	1.176	192.527	232.973	2000.000		
Cobalt, total	ug/L	MW-6	4	0.525	0.126	1.176	0.377	0.673	2.100		
Copper, total	ug/L	MW-6	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-6	4	2.000	0.000	1.176	2.000	2.000	100.000		
Zinc, total	ug/L	MW-6	4	9.025	1.950	1.176	6.731	11.319	2000.000		
Arsenic, total	ug/L	MW-7	4	5.000	6.000	1.176	0.000	12.058	10.000		
Barium, total	ug/L	MW-7	4	486.500	359.428	1.176	63.709	909.291	2000.000		
Cobalt, total	ug/L	MW-7	4	4.525	5.184	1.176	0.000	10.622	2.100		
Copper, total	ug/L	MW-7	4	4.300	4.600	1.176	0.000	9.711	1300.000		
Nickel, total	ug/L	MW-7	4	44.200	77.903	1.176	0.000	135.836	100.000		
Zinc, total	ug/L	MW-7	4	18.325	10.155	1.176	6.379	30.271	2000.000		
Arsenic, total	ug/L	MW-8	4	11.000	6.199	1.176	3.708	18.292	10.000	inc	
Barium, total	ug/L	MW-8	4	831.500	336.160	1.176	436.079	1226.921	2000.000		
Cobalt, total	ug/L	MW-8	4	7.525	2.683	1.176	4.370	10.680	2.100		**
Copper, total	ug/L	MW-8	4	2.825	1.650	1.176	0.884	4.766	1300.000		
Nickel, total	ug/L	MW-8	4	108.000	69.795	1.176	25.901	190.099	100.000	inc	
Zinc, total	ug/L	MW-8	4	16.300	10.225	1.176	4.273	28.327	2000.000		

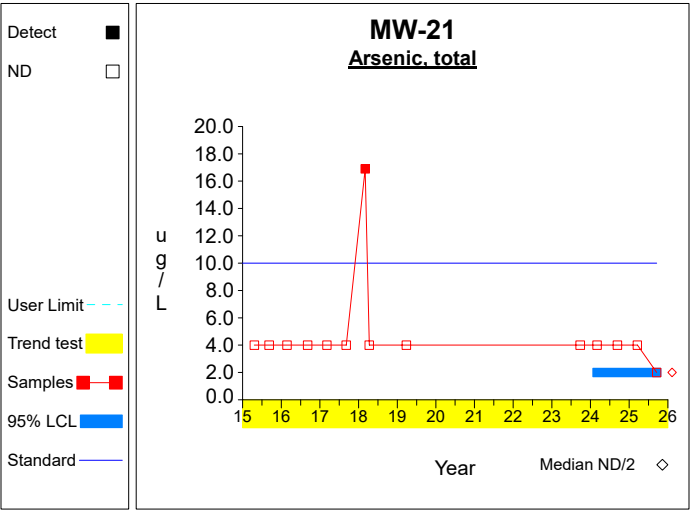
* - Insufficient Data

** - Significant Exceedance

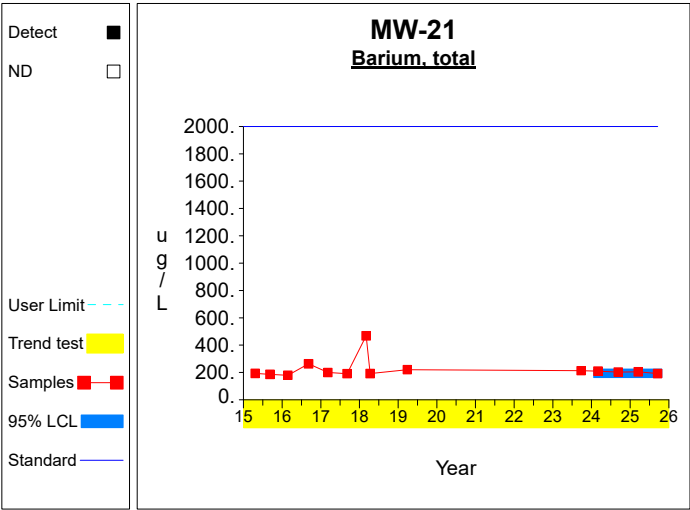
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

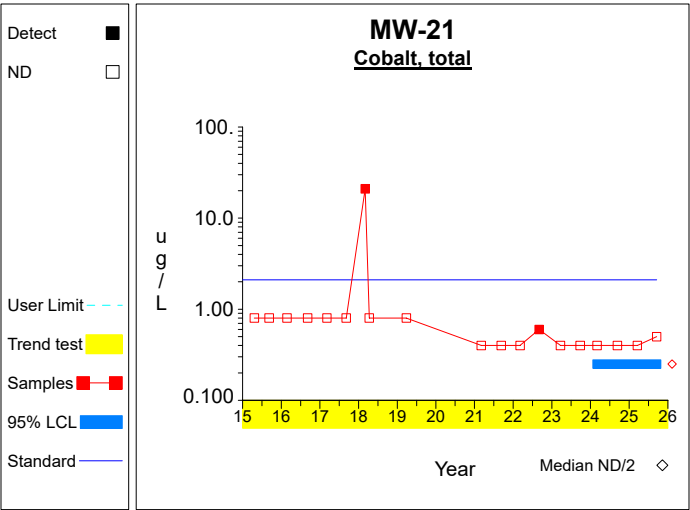
Confidence Limits (Assessment)



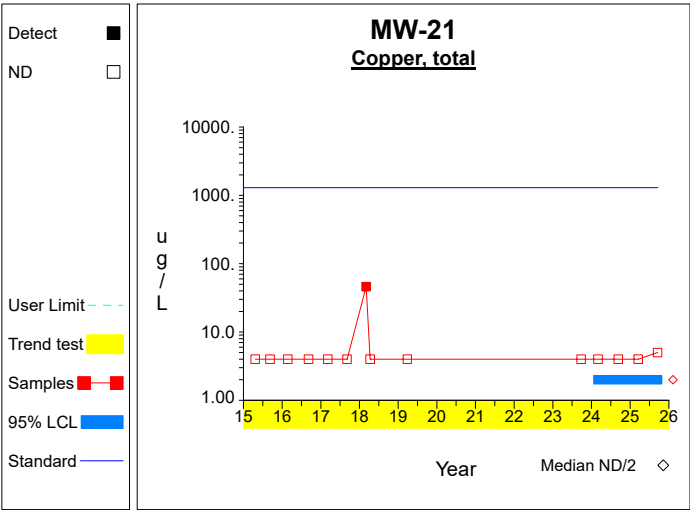
Graph 1



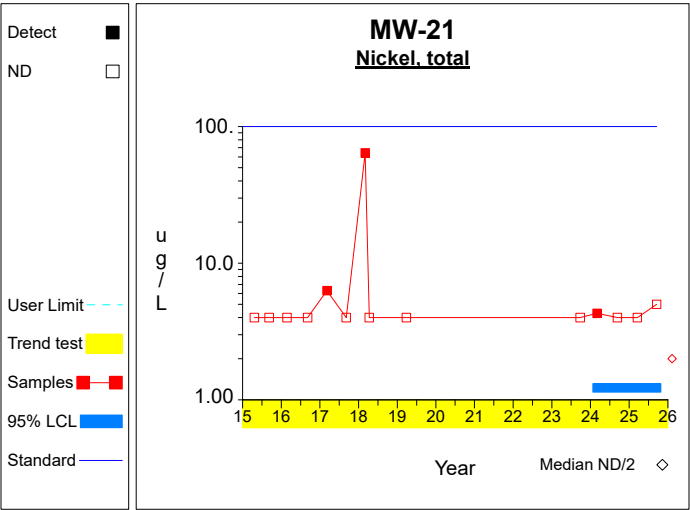
Graph 2



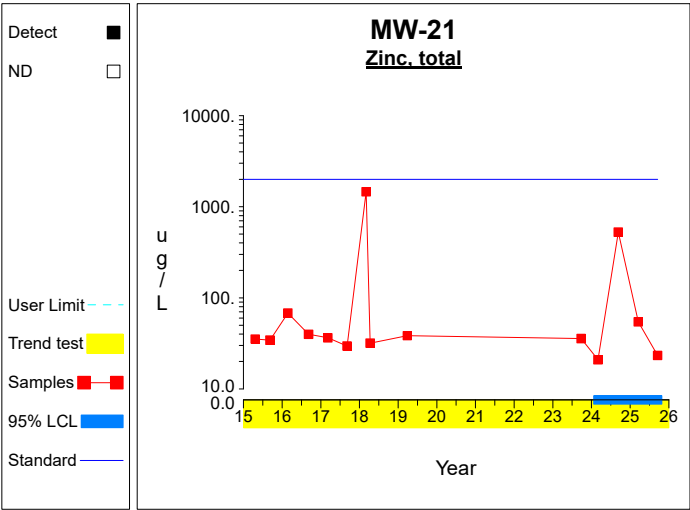
Graph 3



Graph 4

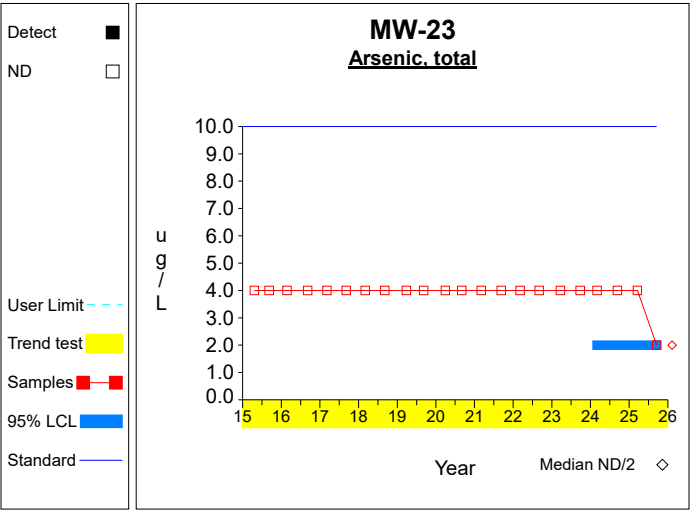


Graph 5

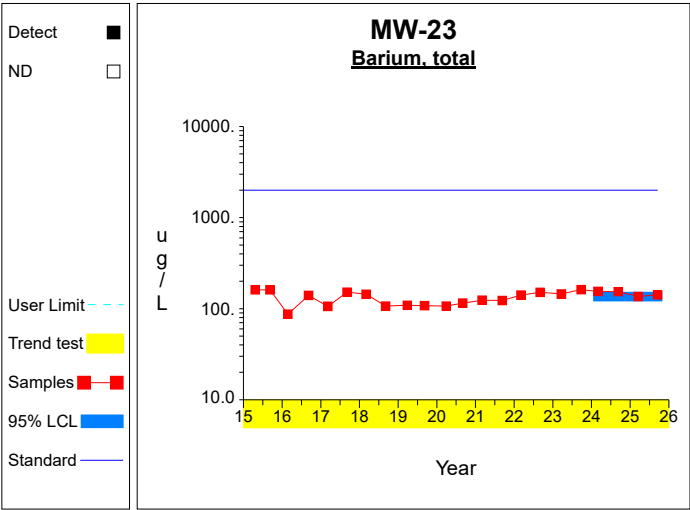


Graph 6

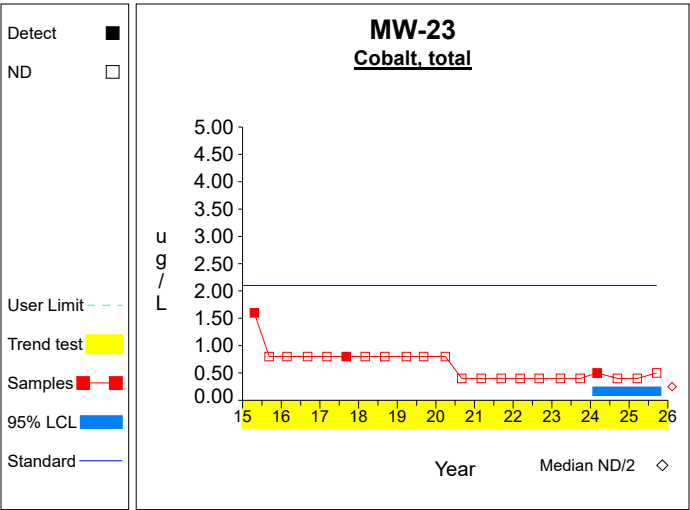
Confidence Limits (Assessment)



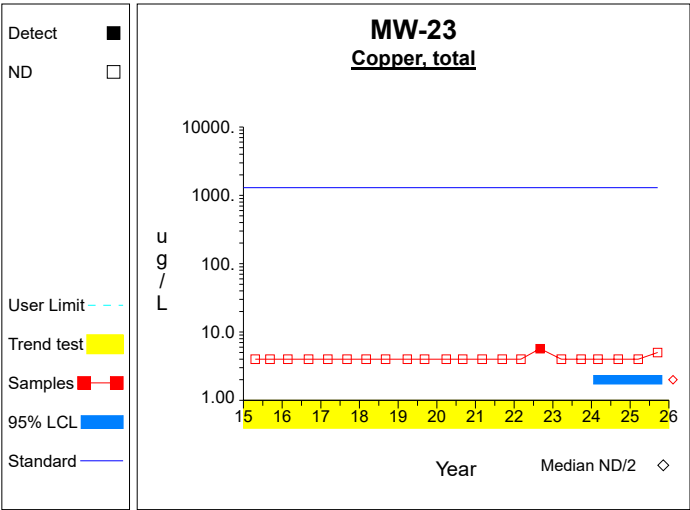
Graph 7



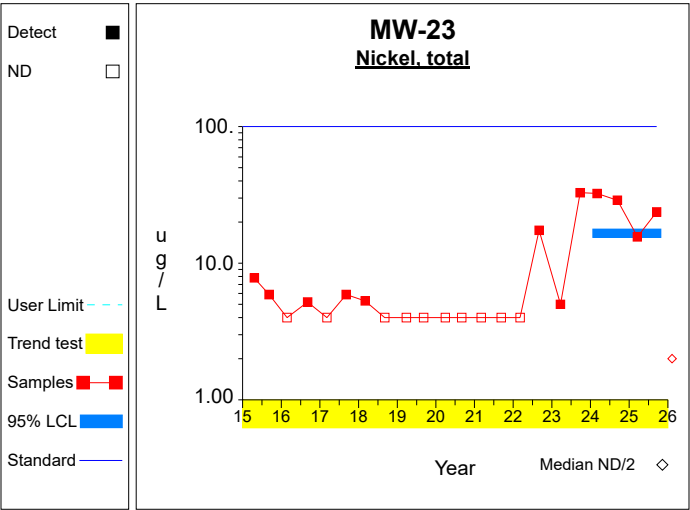
Graph 8



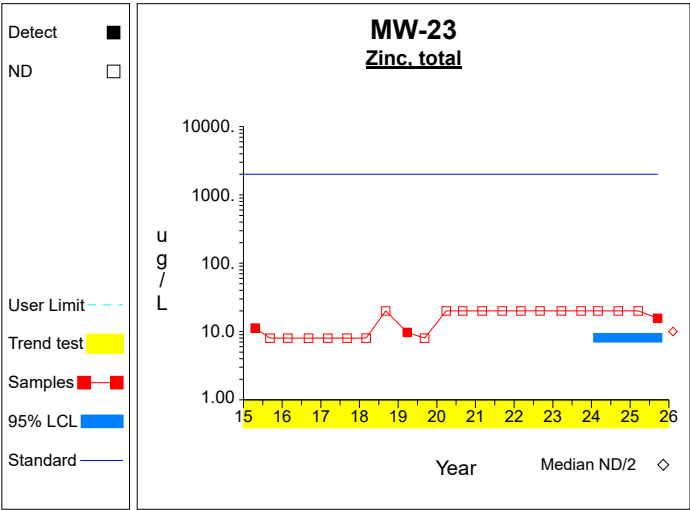
Graph 9



Graph 10

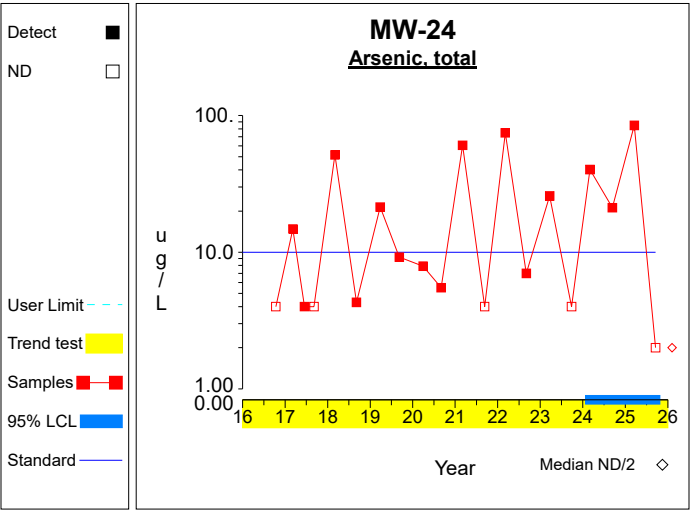


Graph 11

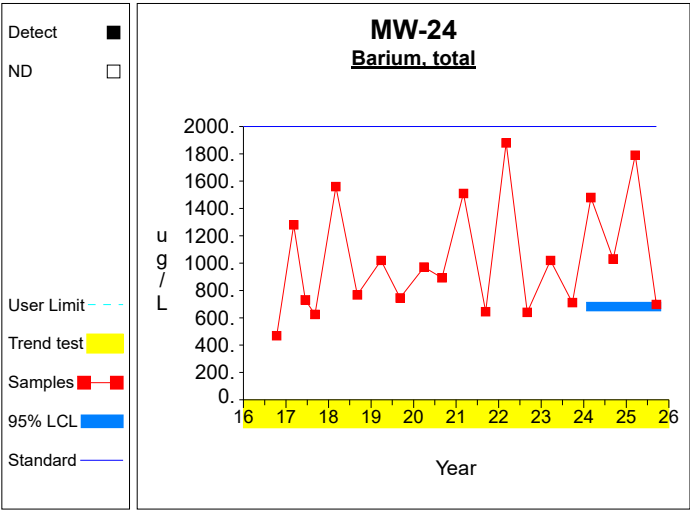


Graph 12

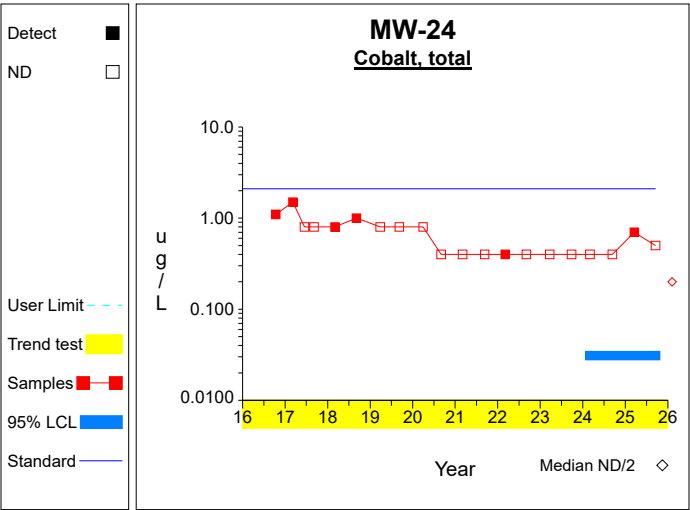
Confidence Limits (Assessment)



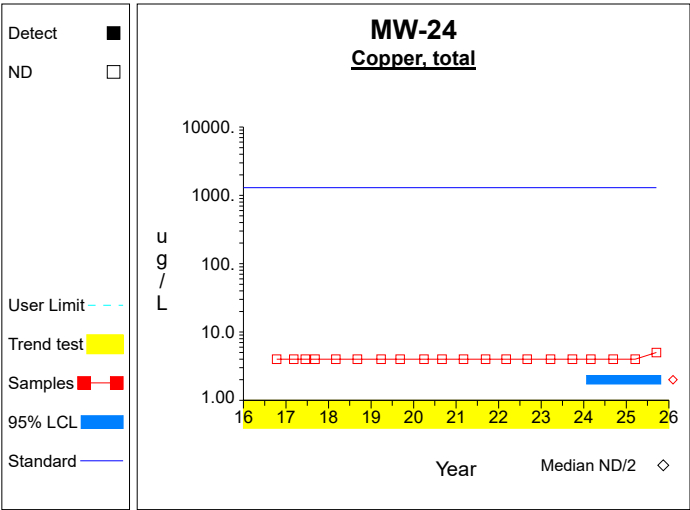
Graph 13



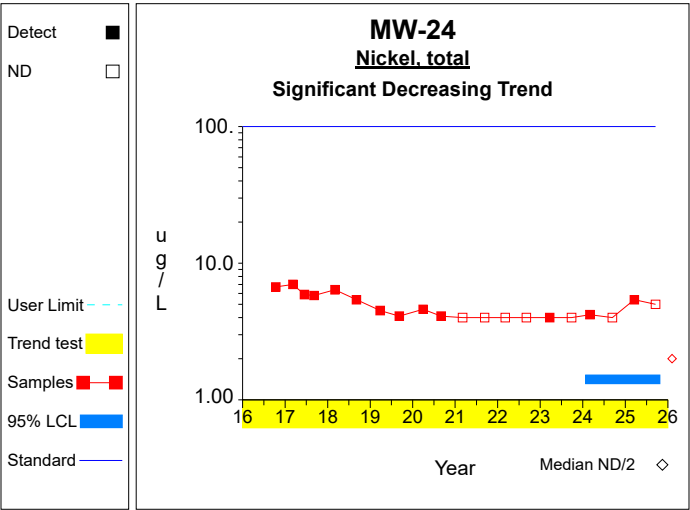
Graph 14



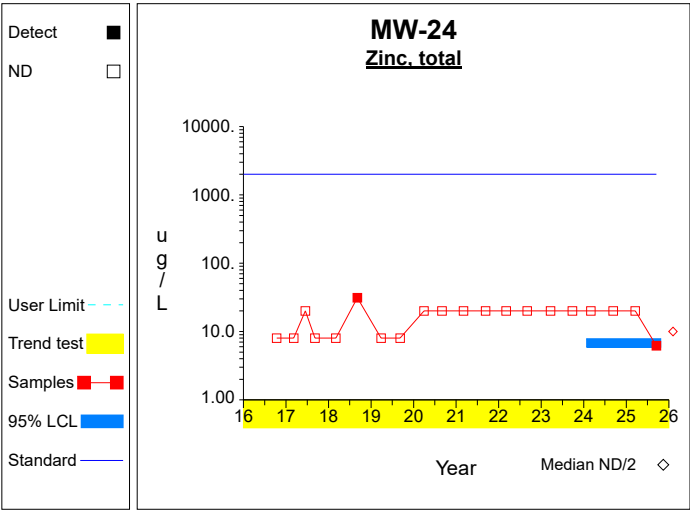
Graph 15



Graph 16

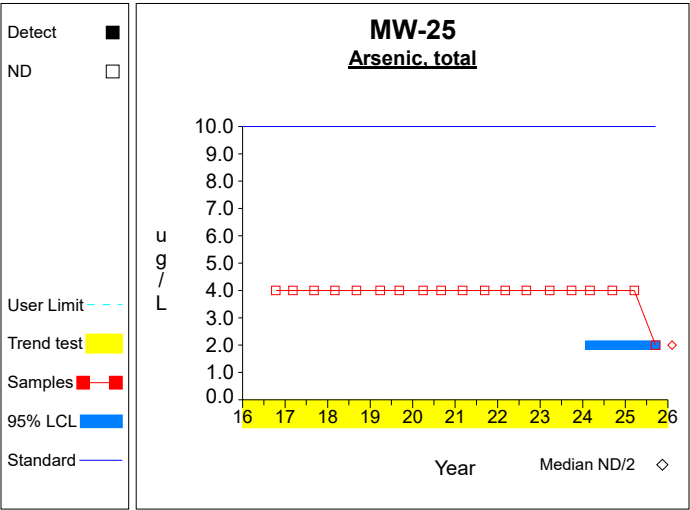


Graph 17

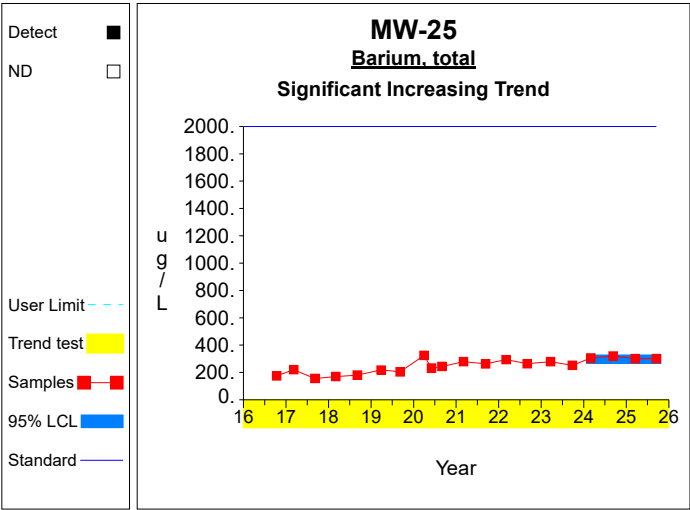


Graph 18

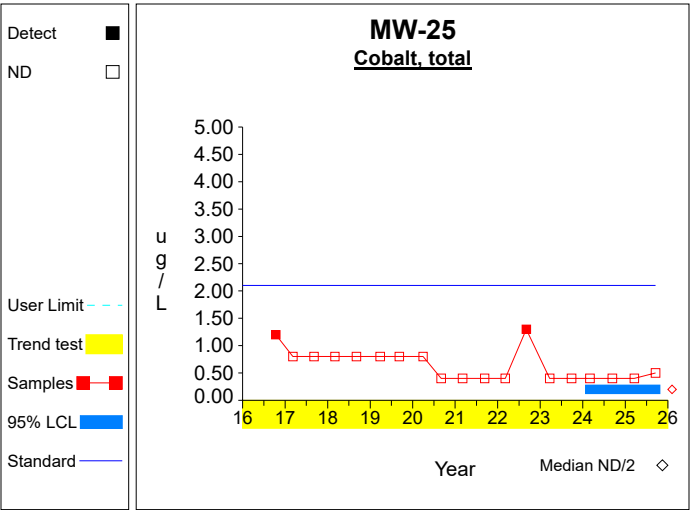
Confidence Limits (Assessment)



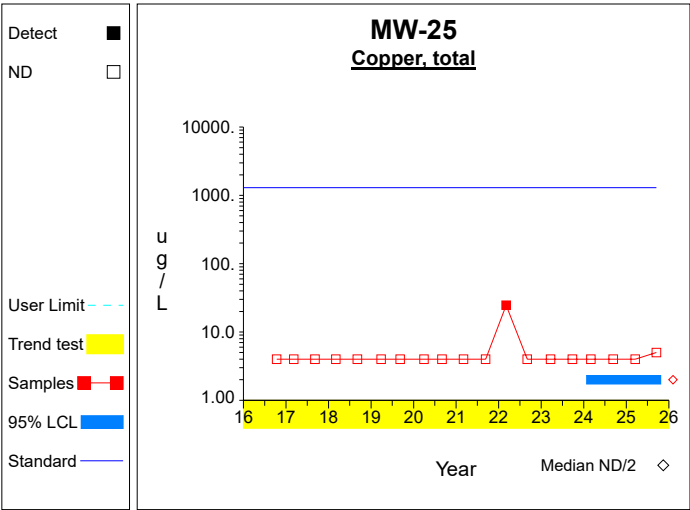
Graph 19



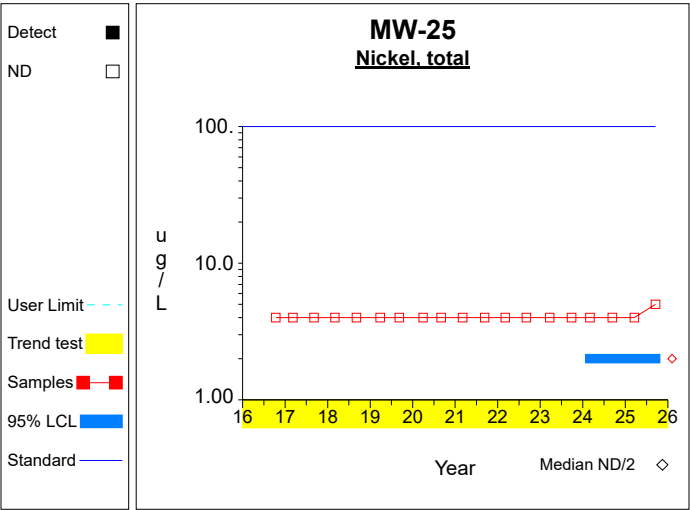
Graph 20



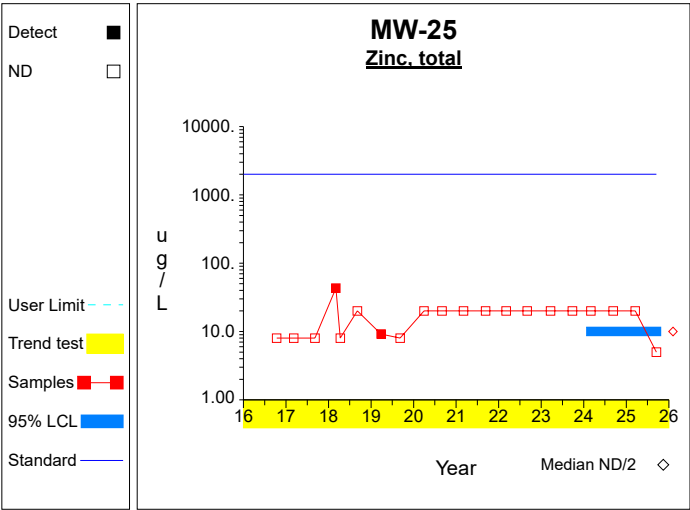
Graph 21



Graph 22

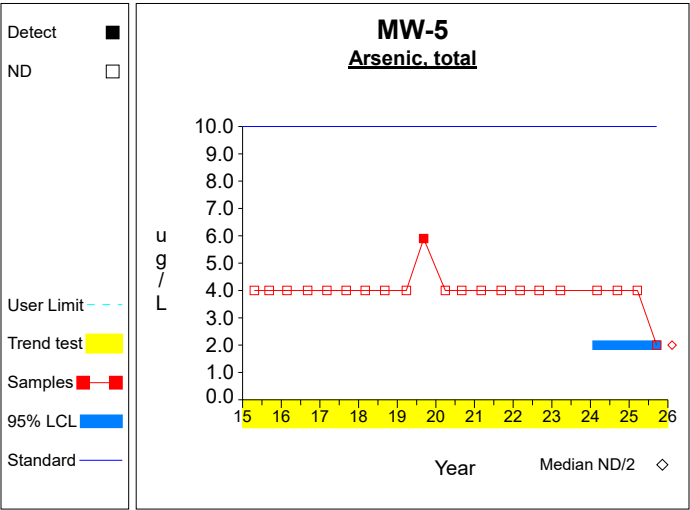


Graph 23

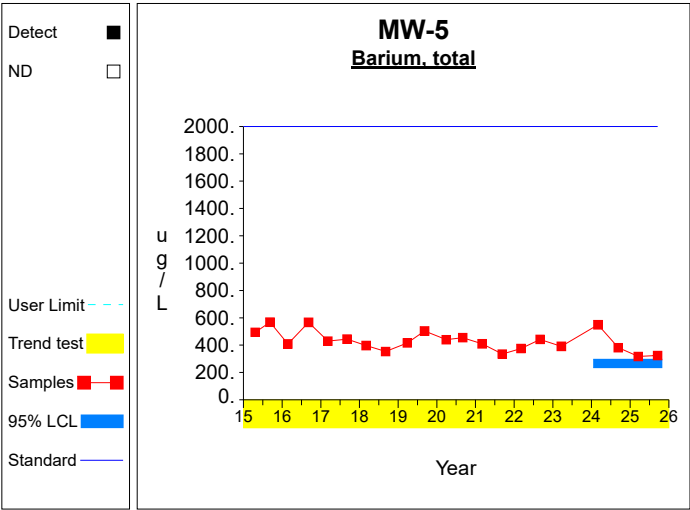


Graph 24

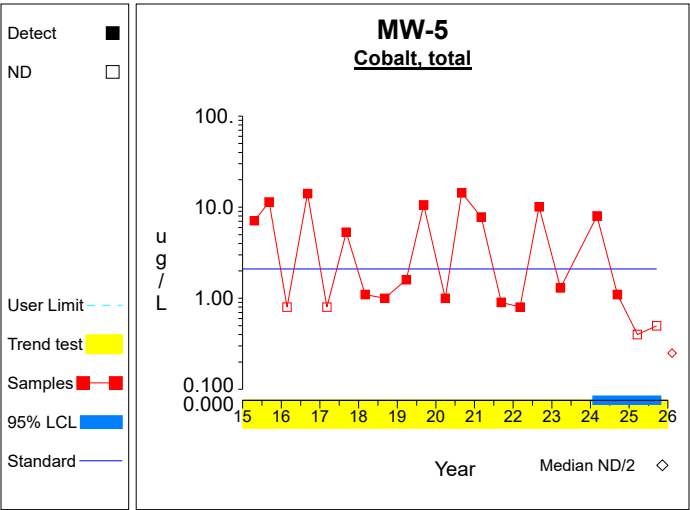
Confidence Limits (Assessment)



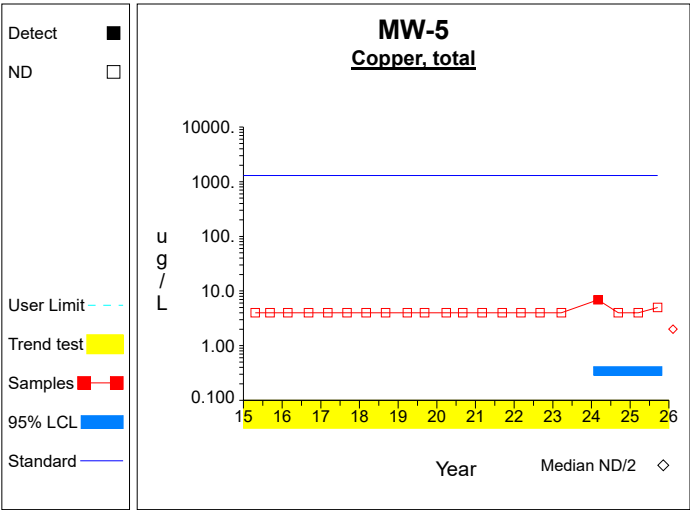
Graph 25



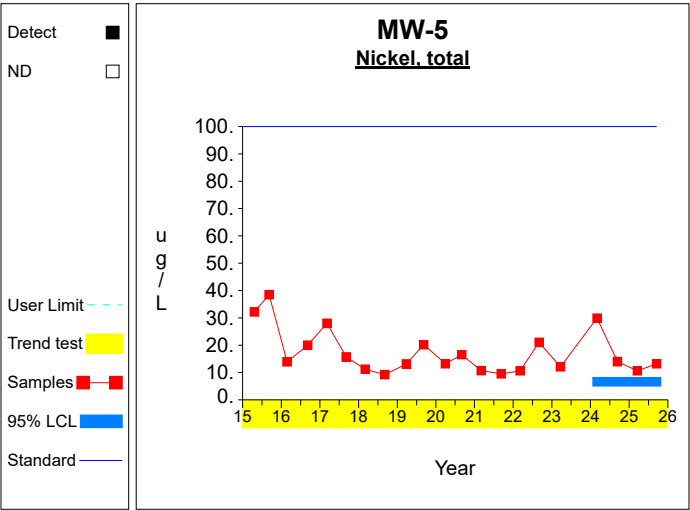
Graph 26



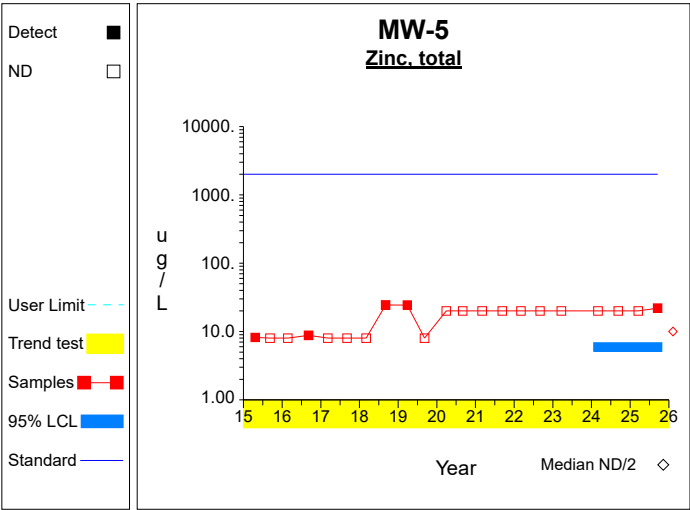
Graph 27



Graph 28

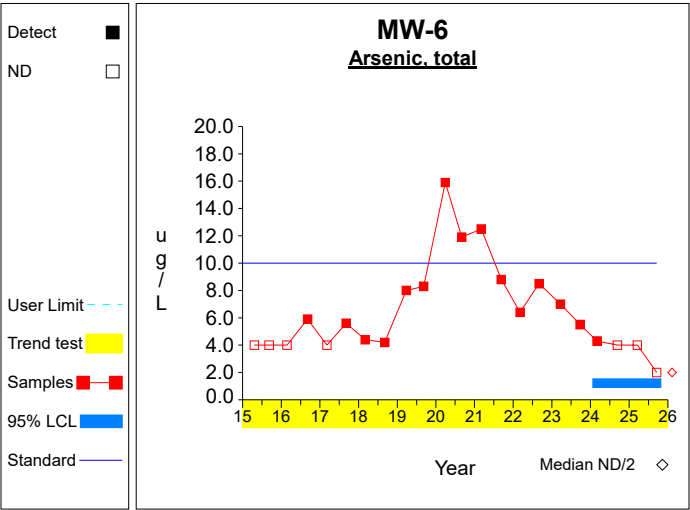


Graph 29

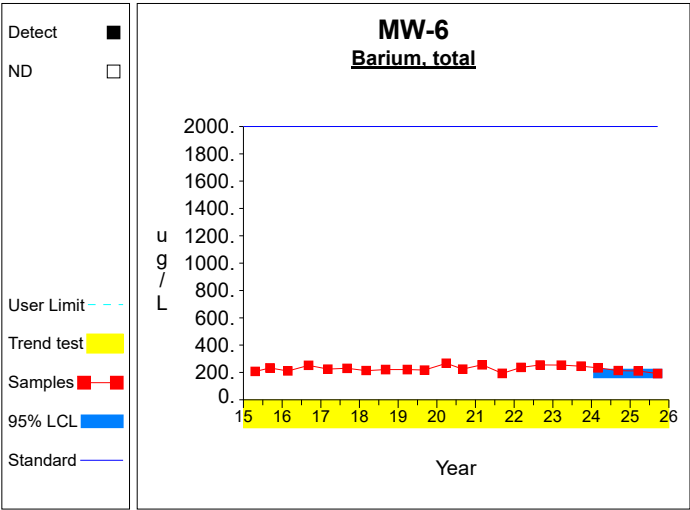


Graph 30

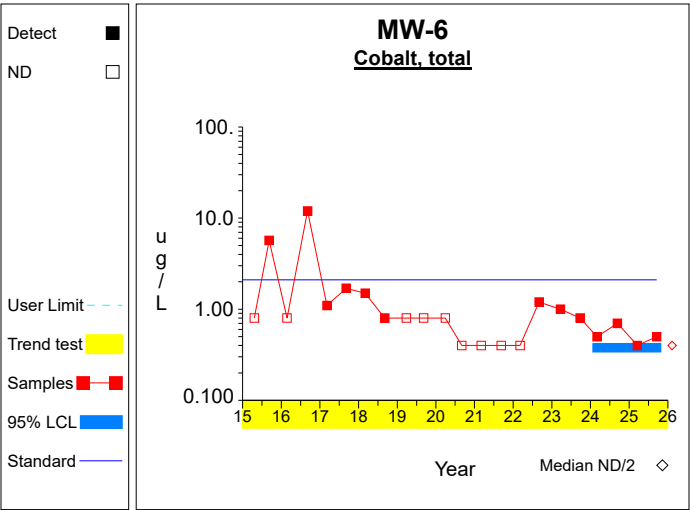
Confidence Limits (Assessment)



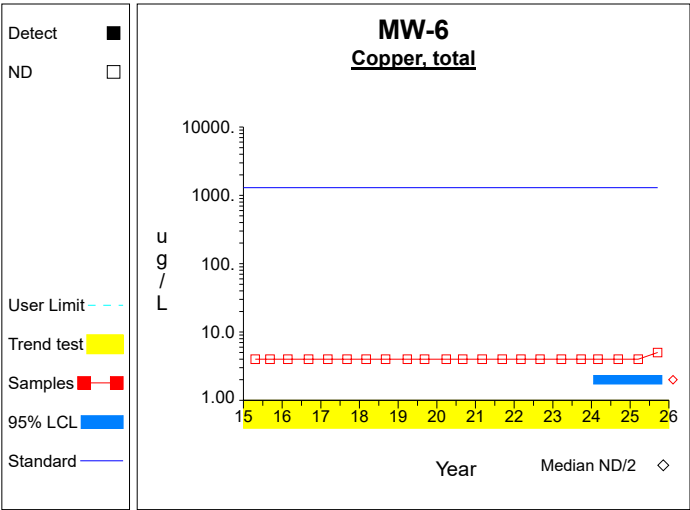
Graph 31



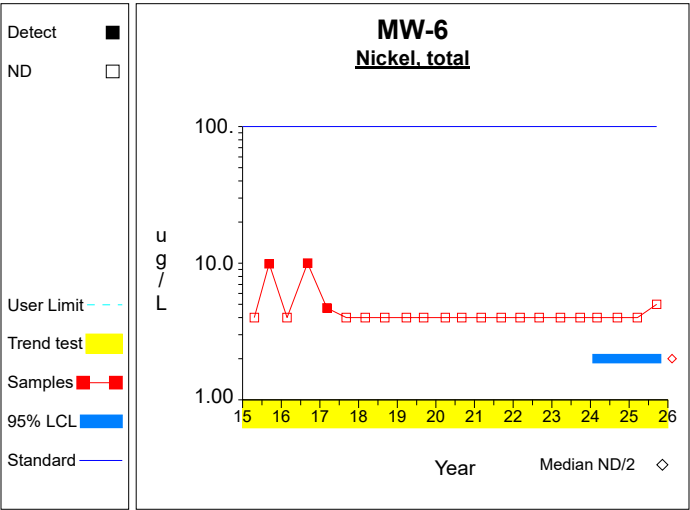
Graph 32



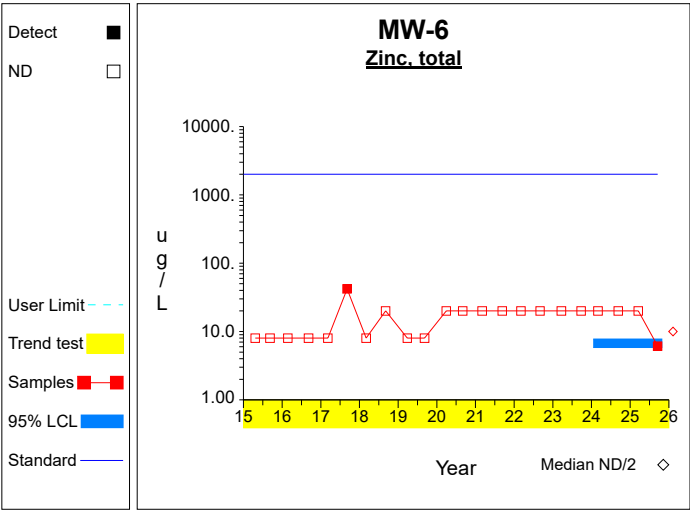
Graph 33



Graph 34

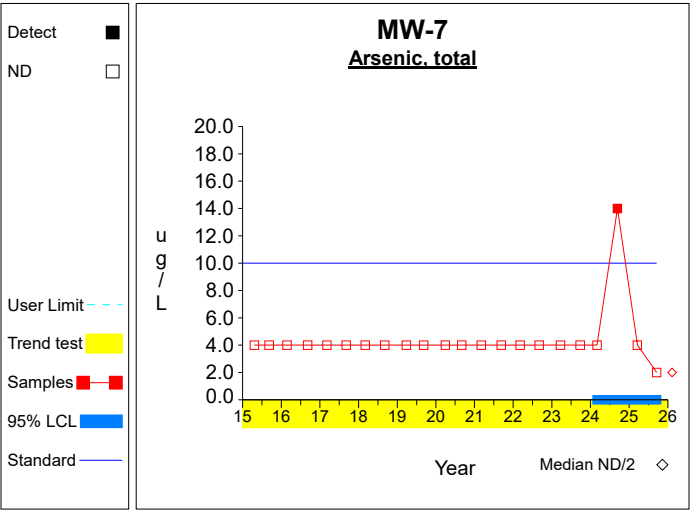


Graph 35

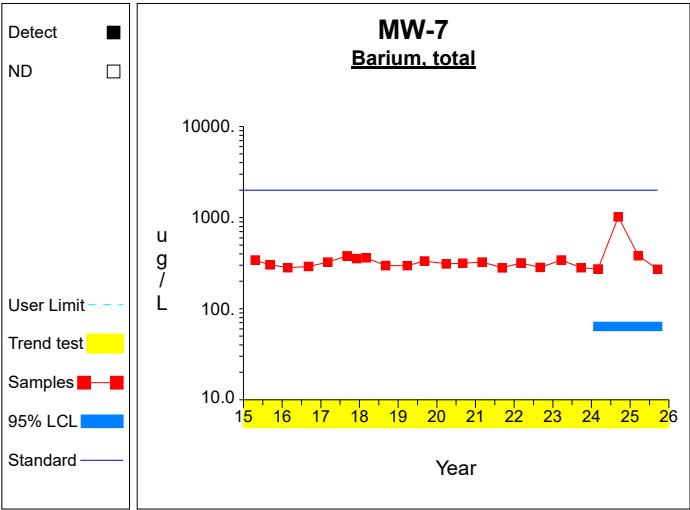


Graph 36

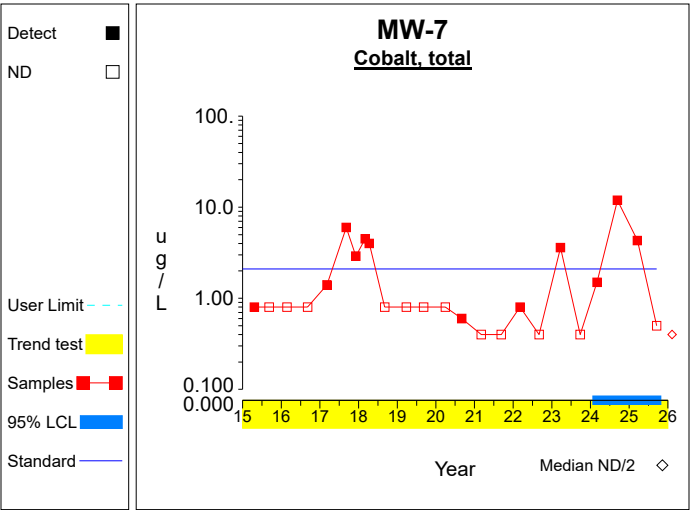
Confidence Limits (Assessment)



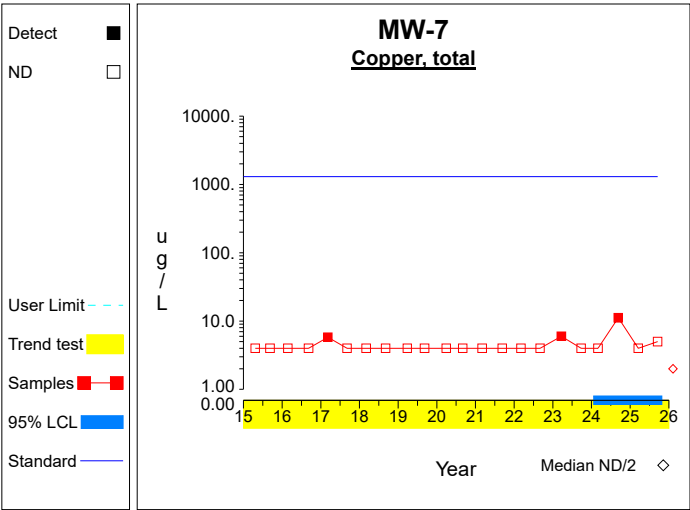
Graph 37



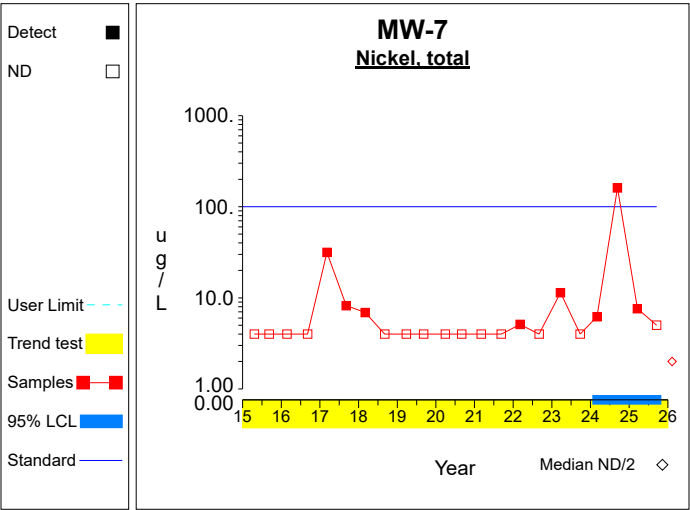
Graph 38



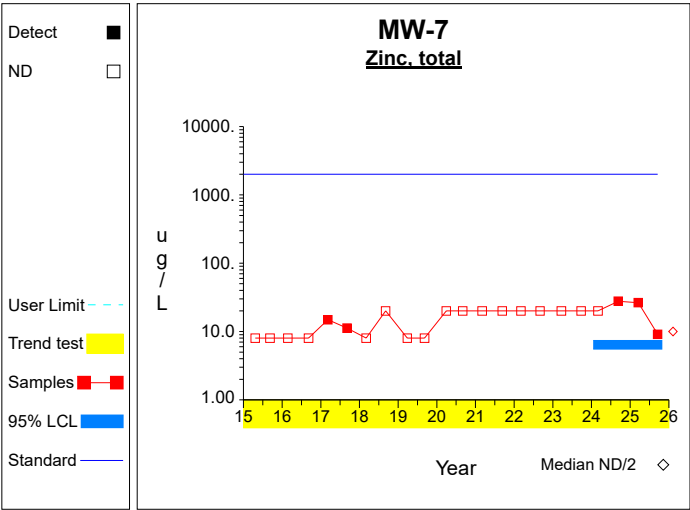
Graph 39



Graph 40

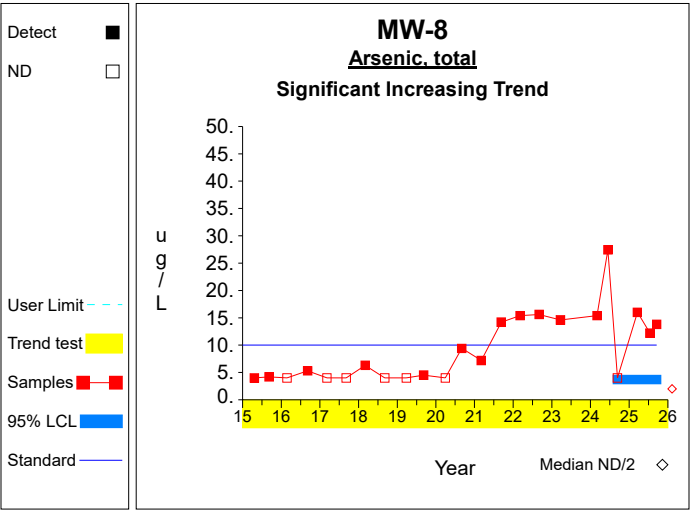


Graph 41



Graph 42

Confidence Limits (Assessment)



Attachment C

Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Acetone	MW-11	9/05/2017		20.6	10.0	ug/L
4-methyl-2-pentanone (mibk)	MW-20	9/08/2015		9.7	5.0	ug/L
Tetrachloroethylene	MW-20	3/01/2024		2.4	1.0	ug/L
1,1-dichloroethane	MW-21	3/20/2009		3.0	1.0	ug/L
1,1-dichloroethane	MW-21	6/15/2009		3.0	1.0	ug/L
1,1-dichloroethane	MW-21	7/13/2009		2.6	1.0	ug/L
1,1-dichloroethane	MW-21	9/02/2009		1.8	1.0	ug/L
1,1-dichloroethane	MW-21	3/24/2010		2.4	1.0	ug/L
1,1-dichloroethane	MW-21	3/24/2010		2.4	1.0	ug/L
1,1-dichloroethane	MW-21	6/10/2010		1.6	1.0	ug/L
1,1-dichloroethane	MW-21	6/10/2010		1.6	1.0	ug/L
1,1-dichloroethane	MW-21	10/20/2010		1.7	1.0	ug/L
1,1-dichloroethane	MW-21	9/12/2011		1.5	1.0	ug/L
1,1-dichloroethane	MW-21	9/12/2011		1.5	1.0	ug/L
1,1-dichloroethane	MW-21	3/15/2012		2.8	1.0	ug/L
1,1-dichloroethane	MW-21	9/04/2012		4.6	1.0	ug/L
1,1-dichloroethane	MW-21	9/11/2013		2.5	1.0	ug/L
1,1-dichloroethane	MW-21	4/11/2014		1.6	1.0	ug/L
1,1-dichloroethane	MW-21	9/22/2014		1.7	1.0	ug/L
1,1-dichloroethane	MW-21	4/21/2015		3.0	1.0	ug/L
1,1-dichloroethane	MW-21	2/25/2016		1.0	1.0	ug/L
1,1-dichloroethane	MW-21	9/06/2016		3.0	1.0	ug/L
1,1-dichloroethane	MW-21	3/06/2017		2.7	1.0	ug/L
1,1-dichloroethane	MW-21	9/05/2017		2.4	1.0	ug/L
1,1-dichloroethane	MW-21	3/02/2018		4.3	1.0	ug/L
1,1-dichloroethane	MW-21	3/27/2019		2.5	1.0	ug/L
1,1-dichloroethane	MW-21	9/26/2023		5.0	1.0	ug/L
1,1-dichloroethane	MW-21	3/01/2024		3.3	1.0	ug/L
1,1-dichloroethane	MW-21	9/11/2024		2.5	1.0	ug/L
1,1-dichloroethane	MW-21	3/17/2025		2.7	1.0	ug/L
1,1-dichloroethane	MW-21	9/17/2025		2.4	1.0	ug/L
Acetone	MW-21	9/05/2017		17	10	ug/L
Dichlorodifluoromethane	MW-21	9/11/2013		2.2	1.0	ug/L
Dichlorodifluoromethane	MW-21	9/06/2016		2.8	1.0	ug/L
Dichlorodifluoromethane	MW-21	3/06/2017		1.3	1.0	ug/L
Dichlorodifluoromethane	MW-21	9/05/2017		1.2	1.0	ug/L
Dichlorodifluoromethane	MW-21	3/02/2018		3.1	1.0	ug/L
Dichlorodifluoromethane	MW-21	3/01/2024		2.0	1.0	ug/L
1,1-dichloroethane	MW-22	3/20/2009		2.2	1.0	ug/L
1,1-dichloroethane	MW-22	7/13/2009		1.8	1.0	ug/L
1,1-dichloroethane	MW-22	9/02/2009		1.9	1.0	ug/L
1,1-dichloroethane	MW-22	3/24/2010		1.5	1.0	ug/L
1,1-dichloroethane	MW-22	6/10/2010		1.1	1.0	ug/L
1,1-dichloroethane	MW-22	10/20/2010		1.6	1.0	ug/L
1,1-dichloroethane	MW-22	3/14/2011		1.2	1.0	ug/L
1,1-dichloroethane	MW-22	9/12/2011		1.4	1.0	ug/L
1,1-dichloroethane	MW-22	3/15/2012		2.0	1.0	ug/L
1,1-dichloroethane	MW-22	9/04/2012		2.0	1.0	ug/L
1,1-dichloroethane	MW-22	4/03/2013		1.1	1.0	ug/L
1,1-dichloroethane	MW-22	9/11/2013		1.3	1.0	ug/L
1,1-dichloroethane	MW-22	4/11/2014		1.9	1.0	ug/L
1,1-dichloroethane	MW-22	9/22/2014		1.3	1.0	ug/L
1,1-dichloroethane	MW-22	4/21/2015		1.5	1.0	ug/L
1,1-dichloroethane	MW-22	9/08/2015		1.9	1.0	ug/L
1,1-dichloroethane	MW-22	2/25/2016		1.7	1.0	ug/L
1,1-dichloroethane	MW-22	9/06/2016		1.9	1.0	ug/L
1,1-dichloroethane	MW-22	3/06/2017		2.4	1.0	ug/L
1,1-dichloroethane	MW-22	9/05/2017		2.0	1.0	ug/L
1,1-dichloroethane	MW-22	3/02/2018		2.2	1.0	ug/L
1,1-dichloroethane	MW-22	3/27/2019		1.9	1.0	ug/L
4,4'-ddt	MW-22	4/03/2013		22.70	.05	ug/L
Acetone	MW-22	9/05/2017		17.9	10.0	ug/L
Cis-1,2-dichloroethylene	MW-22	9/02/2009		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22	3/24/2010		4.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22	9/16/2010		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22	3/14/2011		5.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22	9/12/2011		5.5	1.0	ug/L
Dieldrin	MW-22	4/03/2013		17.00	.05	ug/L
Endrin	MW-22	4/03/2013		16.60	.05	ug/L
Heptachlor epoxide	MW-22	4/03/2013		18.80	.05	ug/L
Hexachlorobenzene	MW-22	4/03/2013		15.50	.05	ug/L
Methoxychlor	MW-22	4/03/2013		50.40	.05	ug/L
Trichloroethylene	MW-22	9/02/2009		2.7	1.0	ug/L
1,1-dichloroethane	MW-23	9/04/2012		1.2	1.0	ug/L
Acetone	MW-23	9/05/2017		13	10	ug/L
Bis(2-ethylhexyl)phthalate	MW-23	4/11/2014		9	8	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Bis(2-ethylhexyl)phthalate	MW-23	3/27/2019		64	6	ug/L
Cis-1,2-dichloroethylene	MW-23	3/17/2025		1	1	ug/L
Methane	MW-23	9/17/2025		33.2	5.0	ug/L
Tetrachloroethylene	MW-23	3/20/2009		2.2	1.0	ug/L
Tetrachloroethylene	MW-23	9/02/2009		2.8	1.0	ug/L
Tetrachloroethylene	MW-23	3/24/2010		2.1	1.0	ug/L
Tetrachloroethylene	MW-23	6/10/2010		2.5	1.0	ug/L
Tetrachloroethylene	MW-23	6/10/2010		3.7	1.0	ug/L
Tetrachloroethylene	MW-23	9/16/2010		2.1	1.0	ug/L
Tetrachloroethylene	MW-23	3/14/2011		3.7	1.0	ug/L
Tetrachloroethylene	MW-23	9/12/2011		3.2	1.0	ug/L
Tetrachloroethylene	MW-23	3/15/2012		4.3	1.0	ug/L
Tetrachloroethylene	MW-23	9/04/2012		3.8	1.0	ug/L
Tetrachloroethylene	MW-23	4/03/2013		3.0	1.0	ug/L
Tetrachloroethylene	MW-23	9/11/2013		2.9	1.0	ug/L
Tetrachloroethylene	MW-23	4/11/2014		3.7	1.0	ug/L
Tetrachloroethylene	MW-23	9/22/2014		2.9	1.0	ug/L
Tetrachloroethylene	MW-23	4/21/2015		4.0	1.0	ug/L
Tetrachloroethylene	MW-23	9/08/2015		2.3	1.0	ug/L
Tetrachloroethylene	MW-23	2/25/2016		3.9	1.0	ug/L
Tetrachloroethylene	MW-23	9/06/2016		2.6	1.0	ug/L
Tetrachloroethylene	MW-23	3/06/2017		4.9	1.0	ug/L
Tetrachloroethylene	MW-23	9/05/2017		3.7	1.0	ug/L
Tetrachloroethylene	MW-23	3/02/2018		5.0	1.0	ug/L
Tetrachloroethylene	MW-23	9/04/2018		4.0	1.0	ug/L
Tetrachloroethylene	MW-23	3/27/2019		3.2	1.0	ug/L
Tetrachloroethylene	MW-23	9/07/2019		3.9	1.0	ug/L
Tetrachloroethylene	MW-23	3/30/2020		2.4	1.0	ug/L
Tetrachloroethylene	MW-23	9/01/2020		2.7	1.0	ug/L
Tetrachloroethylene	MW-23	3/03/2021		2.7	1.0	ug/L
Tetrachloroethylene	MW-23	9/10/2021		3.6	1.0	ug/L
Tetrachloroethylene	MW-23	3/04/2022		3.8	1.0	ug/L
Tetrachloroethylene	MW-23	3/21/2023		2.4	1.0	ug/L
Trichloroethylene	MW-23	9/04/2012		1.4	1.0	ug/L
Bis(2-ethylhexyl)phthalate	MW-24	6/15/2017		7	6	ug/L
Cis-1,2-dichloroethylene	MW-24	10/12/2016		3.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/06/2017		4.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	6/15/2017		2.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/02/2018		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	9/04/2018		3.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/27/2019		3.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	9/07/2019		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/30/2020		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	9/01/2020		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/03/2021		3.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	9/10/2021		3.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/04/2022		3.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	9/02/2022		2.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/21/2023		2.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	9/26/2023		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/01/2024		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	9/11/2024		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-24	3/17/2025		2.7	1.0	ug/L
Dichlorodifluoromethane	MW-24	3/21/2023		1	1	ug/L
Trans-1,2-dichloroethylene	MW-24	3/02/2018		3.7	1.0	ug/L
1,1-dichloropropene	MW-25	9/10/2021		4.5	1.0	ug/L
Acetone	MW-25	9/05/2017		15.5	10.0	ug/L
Bis(2-ethylhexyl)phthalate	MW-25	9/01/2020		6	6	ug/L
Bis(2-ethylhexyl)phthalate	MW-25	9/10/2021		9	6	ug/L
1,1-dichloroethane	MW-3	3/20/2009		4.3	1.0	ug/L
1,1-dichloroethane	MW-3	6/15/2009		4.9	1.0	ug/L
1,1-dichloroethane	MW-3	7/13/2009		4.9	1.0	ug/L
1,1-dichloroethane	MW-3	9/02/2009		4.5	1.0	ug/L
1,1-dichloroethane	MW-3	3/24/2010		9.2	1.0	ug/L
1,1-dichloroethane	MW-3	3/24/2010		3.6	1.0	ug/L
1,1-dichloroethane	MW-3	6/10/2010		7.4	1.0	ug/L
1,1-dichloroethane	MW-3	6/10/2010		3.5	1.0	ug/L
1,1-dichloroethane	MW-3	9/16/2010		4.2	1.0	ug/L
1,1-dichloroethane	MW-3	9/16/2010		10.1	1.0	ug/L
1,1-dichloroethane	MW-3	10/20/2010		4.4	1.0	ug/L
1,1-dichloroethane	MW-3	3/14/2011		9.5	1.0	ug/L
1,1-dichloroethane	MW-3	9/12/2011		13.3	1.0	ug/L
1,1-dichloroethane	MW-3	3/15/2012		9.0	1.0	ug/L
1,1-dichloroethane	MW-3	9/04/2012		9.7	1.0	ug/L
1,1-dichloroethane	MW-3	4/03/2013		8.5	1.0	ug/L
1,1-dichloroethane	MW-3	9/11/2013		8.1	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	MW-3	4/11/2014		8.0	1.0	ug/L
1,1-dichloroethane	MW-3	9/22/2014		6.5	1.0	ug/L
1,1-dichloroethane	MW-3	4/21/2015		7.2	1.0	ug/L
1,1-dichloroethane	MW-3	9/08/2015		7.6	1.0	ug/L
1,1-dichloroethane	MW-3	2/25/2016		6.0	1.0	ug/L
1,1-dichloroethane	MW-3	9/06/2016		7.6	1.0	ug/L
1,1-dichloroethane	MW-3	3/06/2017		8.0	1.0	ug/L
1,1-dichloroethane	MW-3	9/05/2017		8.5	1.0	ug/L
1,1-dichloroethane	MW-3	3/02/2018		8.1	1.0	ug/L
1,1-dichloroethane	MW-3	9/04/2018		6.9	1.0	ug/L
1,1-dichloroethane	MW-3	3/27/2019		7.6	1.0	ug/L
1,1-dichloroethane	MW-3	9/07/2019		5.5	1.0	ug/L
1,1-dichloroethane	MW-3	3/30/2020		5.9	1.0	ug/L
1,1-dichloroethane	MW-3	9/01/2020		7.4	1.0	ug/L
1,1-dichloroethane	MW-3	3/03/2021		7.2	1.0	ug/L
1,1-dichloroethane	MW-3	9/10/2021		6.4	1.0	ug/L
1,1-dichloroethane	MW-3	3/04/2022		7.5	1.0	ug/L
1,1-dichloroethane	MW-3	9/02/2022		6.3	1.0	ug/L
1,1-dichloroethane	MW-3	3/21/2023		6.5	1.0	ug/L
1,2-dichlorobenzene	MW-3	9/04/2012		1.3	1.0	ug/L
1,2-dichlorobenzene	MW-3	4/03/2013		1.4	1.0	ug/L
1,2-dichlorobenzene	MW-3	9/11/2013		1.5	1.0	ug/L
1,2-dichlorobenzene	MW-3	4/11/2014		1.1	1.0	ug/L
1,2-dichlorobenzene	MW-3	9/22/2014		1.5	1.0	ug/L
1,2-dichlorobenzene	MW-3	3/06/2017		1.2	1.0	ug/L
1,2-dichlorobenzene	MW-3	9/05/2017		1.0	1.0	ug/L
1,2-dichlorobenzene	MW-3	3/03/2021		1.0	1.0	ug/L
1,2-dichlorobenzene	MW-3	3/04/2022		1.0	1.0	ug/L
1,2-dichlorobenzene	MW-3	9/02/2022		1.0	1.0	ug/L
1,2-dichlorobenzene	MW-3	3/21/2023		1.3	1.0	ug/L
1,2-dichloroethane	MW-3	3/20/2009		4.3	1.0	ug/L
1,2-dichloroethane	MW-3	6/15/2009		4.9	1.0	ug/L
1,2-dichloroethane	MW-3	7/13/2009		4.9	1.0	ug/L
1,2-dichloroethane	MW-3	9/02/2009		4.5	1.0	ug/L
1,2-dichloroethane	MW-3	3/24/2010		3.6	1.0	ug/L
1,2-dichloroethane	MW-3	3/24/2010		3.6	.4	ug/L
1,2-dichloroethane	MW-3	6/10/2010		3.5	1.0	ug/L
1,2-dichloroethane	MW-3	6/10/2010		3.5	.4	ug/L
1,2-dichloroethane	MW-3	9/16/2010		4.2	1.0	ug/L
1,2-dichloroethane	MW-3	9/16/2010		4.2	.4	ug/L
1,2-dichloroethane	MW-3	10/20/2010		4.4	1.0	ug/L
1,2-dichloroethane	MW-3	3/14/2011		4.0	.4	ug/L
1,2-dichloroethane	MW-3	3/14/2011		4.0	1.0	ug/L
1,2-dichloroethane	MW-3	9/12/2011		4.4	.4	ug/L
1,2-dichloroethane	MW-3	9/12/2011		4.4	1.0	ug/L
1,2-dichloroethane	MW-3	3/15/2012		3.6	.4	ug/L
1,2-dichloroethane	MW-3	9/04/2012		3.3	1.0	ug/L
1,2-dichloroethane	MW-3	4/03/2013		2.9	1.0	ug/L
1,2-dichloroethane	MW-3	9/11/2013		2.3	1.0	ug/L
1,2-dichloroethane	MW-3	4/11/2014		2.7	1.0	ug/L
1,2-dichloroethane	MW-3	9/22/2014		2.6	1.0	ug/L
1,2-dichloroethane	MW-3	4/21/2015		2.4	1.0	ug/L
1,2-dichloroethane	MW-3	9/08/2015		2.6	1.0	ug/L
1,2-dichloroethane	MW-3	2/25/2016		2.4	1.0	ug/L
1,2-dichloroethane	MW-3	9/06/2016		2.8	1.0	ug/L
1,2-dichloroethane	MW-3	3/06/2017		2.9	1.0	ug/L
1,2-dichloroethane	MW-3	9/05/2017		3.2	1.0	ug/L
1,2-dichloroethane	MW-3	3/02/2018		3.0	1.0	ug/L
1,2-dichloroethane	MW-3	9/04/2018		1.4	1.0	ug/L
1,2-dichloroethane	MW-3	3/27/2019		2.6	1.0	ug/L
1,2-dichloroethane	MW-3	9/01/2020		2.5	1.0	ug/L
1,2-dichloroethane	MW-3	3/03/2021		2.3	1.0	ug/L
1,2-dichloroethane	MW-3	9/10/2021		2.6	1.0	ug/L
1,2-dichloroethane	MW-3	3/04/2022		2.1	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/20/2009		5.8	1.0	ug/L
1,4-dichlorobenzene	MW-3	6/15/2009		3.4	1.0	ug/L
1,4-dichlorobenzene	MW-3	7/13/2009		4.9	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/02/2009		4.2	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/24/2010		10.8	1.0	ug/L
1,4-dichlorobenzene	MW-3	6/10/2010		5.0	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/16/2010		5.8	1.0	ug/L
1,4-dichlorobenzene	MW-3	10/20/2010		2.9	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/14/2011		9.3	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/12/2011		8.3	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/15/2012		6.5	1.0	ug/L
1,4-dichlorobenzene	MW-3	4/03/2013		20.4	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,4-dichlorobenzene	MW-3	9/11/2013		14.2	1.0	ug/L
1,4-dichlorobenzene	MW-3	4/11/2014		10.2	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/22/2014		11.5	1.0	ug/L
1,4-dichlorobenzene	MW-3	4/21/2015		5.7	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/08/2015		8.2	1.0	ug/L
1,4-dichlorobenzene	MW-3	2/25/2016		3.2	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/06/2016		6.5	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/06/2017		7.6	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/05/2017		8.1	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/02/2018		2.7	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/04/2018		3.7	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/07/2019		11.7	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/01/2020		15.6	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/03/2021		12.7	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/10/2021		8.3	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/04/2022		11.8	1.0	ug/L
1,4-dichlorobenzene	MW-3	9/02/2022		11.3	1.0	ug/L
1,4-dichlorobenzene	MW-3	3/21/2023		6.9	1.0	ug/L
Benzene	MW-3	3/20/2009		1.2	1.0	ug/L
Benzene	MW-3	9/12/2011		1.1	1.0	ug/L
Benzene	MW-3	4/03/2013		1.3	1.0	ug/L
Chlorobenzene	MW-3	9/04/2012		1.5	1.0	ug/L
Chlorobenzene	MW-3	4/03/2013		2.2	1.0	ug/L
Chlorobenzene	MW-3	9/11/2013		1.9	1.0	ug/L
Chlorobenzene	MW-3	4/11/2014		1.5	1.0	ug/L
Chlorobenzene	MW-3	9/22/2014		1.5	1.0	ug/L
Chlorobenzene	MW-3	9/08/2015		1.2	1.0	ug/L
Chlorobenzene	MW-3	3/06/2017		1.5	1.0	ug/L
Chlorobenzene	MW-3	9/05/2017		1.3	1.0	ug/L
Chlorobenzene	MW-3	3/02/2018		1.0	1.0	ug/L
Chlorobenzene	MW-3	9/04/2018		1.1	1.0	ug/L
Chlorobenzene	MW-3	3/27/2019		1.3	1.0	ug/L
Chlorobenzene	MW-3	9/01/2020		1.7	1.0	ug/L
Chlorobenzene	MW-3	3/03/2021		2.0	1.0	ug/L
Chlorobenzene	MW-3	9/10/2021		1.9	1.0	ug/L
Chlorobenzene	MW-3	3/04/2022		2.0	1.0	ug/L
Chlorobenzene	MW-3	9/02/2022		1.6	1.0	ug/L
Chlorobenzene	MW-3	3/21/2023		2.7	1.0	ug/L
Chloroethane	MW-3	4/03/2013		1.3	1.0	ug/L
Chloroethane	MW-3	4/11/2014		1.0	1.0	ug/L
Chloroethane	MW-3	9/22/2014		1.0	1.0	ug/L
Chloroethane	MW-3	9/01/2020		1.1	1.0	ug/L
Chloroethane	MW-3	3/03/2021		1.2	1.0	ug/L
Chloroethane	MW-3	3/04/2022		1.2	1.0	ug/L
Chloroethane	MW-3	3/21/2023		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/02/2009		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/24/2010		4.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/16/2010		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/14/2011		5.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/12/2011		5.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/15/2012		4.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/04/2012		4.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	4/03/2013		4.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/11/2013		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	4/11/2014		3.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/22/2014		3.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	4/21/2015		3.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/08/2015		3.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	2/25/2016		2.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/06/2016		3.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/06/2017		3.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/05/2017		3.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/02/2018		3.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/04/2018		3.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/27/2019		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/07/2019		2.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/30/2020		1.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/01/2020		2.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/03/2021		3.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/10/2021		2.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/04/2022		3.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	9/02/2022		2.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-3	3/21/2023		2.5	1.0	ug/L
Dichlorodifluoromethane	MW-3	3/20/2009		16.2	1.0	ug/L
Dichlorodifluoromethane	MW-3	6/15/2009		17.3	1.0	ug/L
Dichlorodifluoromethane	MW-3	7/13/2009		15.1	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Dichlorodifluoromethane	MW-3	9/02/2009		15.2	1.0	ug/L
Dichlorodifluoromethane	MW-3	3/24/2010		12.8	1.0	ug/L
Dichlorodifluoromethane	MW-3	6/10/2010		8.1	1.0	ug/L
Dichlorodifluoromethane	MW-3	9/16/2010		17.1	1.0	ug/L
Dichlorodifluoromethane	MW-3	10/20/2010		13.3	1.0	ug/L
Dichlorodifluoromethane	MW-3	3/14/2011		15.8	1.0	ug/L
Dichlorodifluoromethane	MW-3	9/12/2011		16.9	1.0	ug/L
Dichlorodifluoromethane	MW-3	3/15/2012		16.7	1.0	ug/L
Dichlorodifluoromethane	MW-3	4/03/2013		11.3	1.0	ug/L
Dichlorodifluoromethane	MW-3	9/11/2013		10.0	1.0	ug/L
Dichlorodifluoromethane	MW-3	4/11/2014		9.5	1.0	ug/L
Dichlorodifluoromethane	MW-3	9/22/2014		11.2	1.0	ug/L
Dichlorodifluoromethane	MW-3	4/21/2015		7.6	1.0	ug/L
Dichlorodifluoromethane	MW-3	9/08/2015		7.7	1.0	ug/L
Dichlorodifluoromethane	MW-3	2/25/2016		6.1	1.0	ug/L
Dichlorodifluoromethane	MW-3	9/06/2016		8.0	1.0	ug/L
Dichlorodifluoromethane	MW-3	3/06/2017		9.0	1.0	ug/L
Dichlorodifluoromethane	MW-3	9/05/2017		7.6	1.0	ug/L
Dichlorodifluoromethane	MW-3	3/02/2018		5.7	1.0	ug/L
Dichlorodifluoromethane	MW-3	3/27/2019		3.3	1.0	ug/L
Ethylbenzene	MW-3	9/02/2022		6.6	1.0	ug/L
Phorate	MW-3	4/11/2014		.5	.4	ug/L
Phorate	MW-3	9/08/2015		.4	.4	ug/L
Tetrachloroethylene	MW-3	3/20/2009		1.2	1.0	ug/L
Tetrachloroethylene	MW-3	6/15/2009		1.2	1.0	ug/L
Tetrachloroethylene	MW-3	7/13/2009		1.5	1.0	ug/L
Tetrachloroethylene	MW-3	9/02/2009		1.3	1.0	ug/L
Tetrachloroethylene	MW-3	3/24/2010		1.3	1.0	ug/L
Tetrachloroethylene	MW-3	9/16/2010		1.3	1.0	ug/L
Tetrachloroethylene	MW-3	10/20/2010		1.2	1.0	ug/L
Tetrachloroethylene	MW-3	3/14/2011		1.5	1.0	ug/L
Tetrachloroethylene	MW-3	9/12/2011		1.7	1.0	ug/L
Tetrachloroethylene	MW-3	4/03/2013		1.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-3	3/02/2018		3.4	1.0	ug/L
Trichloroethylene	MW-3	3/20/2009		1.6	1.0	ug/L
Trichloroethylene	MW-3	6/15/2009		1.6	1.0	ug/L
Trichloroethylene	MW-3	7/13/2009		1.9	1.0	ug/L
Trichloroethylene	MW-3	9/02/2009		1.6	1.0	ug/L
Trichloroethylene	MW-3	3/24/2010		1.5	1.0	ug/L
Trichloroethylene	MW-3	6/10/2010		1.2	1.0	ug/L
Trichloroethylene	MW-3	9/16/2010		1.6	1.0	ug/L
Trichloroethylene	MW-3	10/20/2010		1.5	1.0	ug/L
Trichloroethylene	MW-3	3/14/2011		1.8	1.0	ug/L
Trichloroethylene	MW-3	9/12/2011		2.4	1.0	ug/L
Trichloroethylene	MW-3	3/15/2012		1.6	1.0	ug/L
Trichloroethylene	MW-3	9/04/2012		1.5	1.0	ug/L
Trichloroethylene	MW-3	4/03/2013		1.4	1.0	ug/L
Trichloroethylene	MW-3	9/11/2013		1.2	1.0	ug/L
Trichloroethylene	MW-3	4/11/2014		1.2	1.0	ug/L
Trichloroethylene	MW-3	9/22/2014		1.2	1.0	ug/L
Trichloroethylene	MW-3	3/06/2017		1.2	1.0	ug/L
Vinyl chloride	MW-3	3/20/2009		1.1	1.0	ug/L
Vinyl chloride	MW-3	7/13/2009		1.2	1.0	ug/L
Vinyl chloride	MW-3	9/02/2009		1.1	1.0	ug/L
Vinyl chloride	MW-3	3/24/2010		1.1	1.0	ug/L
Vinyl chloride	MW-3	9/16/2010		1.4	1.0	ug/L
Vinyl chloride	MW-3	10/20/2010		1.0	1.0	ug/L
Vinyl chloride	MW-3	3/14/2011		1.3	1.0	ug/L
Vinyl chloride	MW-3	9/12/2011		1.8	1.0	ug/L
Vinyl chloride	MW-3	3/15/2012		1.5	1.0	ug/L
Vinyl chloride	MW-3	9/04/2012		1.5	1.0	ug/L
Vinyl chloride	MW-3	4/03/2013		1.4	1.0	ug/L
Vinyl chloride	MW-3	9/11/2013		1.3	1.0	ug/L
Vinyl chloride	MW-3	4/11/2014		1.1	1.0	ug/L
Vinyl chloride	MW-3	9/22/2014		1.4	1.0	ug/L
Vinyl chloride	MW-3	3/06/2017		1.2	1.0	ug/L
Vinyl chloride	MW-3	9/05/2017		1.0	1.0	ug/L
1,1-dichloroethane	MW-5	3/20/2009		1.6	1.0	ug/L
1,1-dichloroethane	MW-5	6/15/2009		1.7	1.0	ug/L
1,1-dichloroethane	MW-5	7/13/2009		1.4	1.0	ug/L
1,1-dichloroethane	MW-5	9/02/2009		1.3	1.0	ug/L
1,1-dichloroethane	MW-5	3/24/2010		1.5	1.0	ug/L
1,1-dichloroethane	MW-5	6/10/2010		2.4	1.0	ug/L
1,1-dichloroethane	MW-5	9/16/2010		1.6	1.0	ug/L
1,1-dichloroethane	MW-5	10/20/2010		2.2	1.0	ug/L
1,1-dichloroethane	MW-5	3/14/2011		1.4	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	MW-5	9/12/2011		3.0	1.0	ug/L
1,1-dichloroethane	MW-5	3/15/2012		1.4	1.0	ug/L
1,1-dichloroethane	MW-5	9/04/2012		3.3	1.0	ug/L
1,1-dichloroethane	MW-5	4/03/2013		2.1	1.0	ug/L
1,1-dichloroethane	MW-5	9/11/2013		2.3	1.0	ug/L
1,1-dichloroethane	MW-5	4/11/2014		1.9	1.0	ug/L
1,1-dichloroethane	MW-5	9/22/2014		1.6	1.0	ug/L
1,1-dichloroethane	MW-5	9/08/2015		1.4	1.0	ug/L
1,1-dichloroethane	MW-5	9/06/2016		4.3	1.0	ug/L
1,1-dichloroethane	MW-5	9/05/2017		1.4	1.0	ug/L
1,1-dichloroethane	MW-5	3/02/2018		1.2	1.0	ug/L
1,1-dichloroethane	MW-5	9/04/2018		1.1	1.0	ug/L
1,1-dichloroethane	MW-5	3/03/2021		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-5	3/20/2009		2.1	1.0	ug/L
1,4-dichlorobenzene	MW-5	6/15/2009		2.2	1.0	ug/L
1,4-dichlorobenzene	MW-5	7/13/2009		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/02/2009		2.5	1.0	ug/L
1,4-dichlorobenzene	MW-5	3/24/2010		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-5	6/10/2010		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/16/2010		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-5	10/20/2010		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-5	3/14/2011		1.3	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/12/2011		2.5	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/04/2012		2.6	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/11/2013		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/22/2014		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/08/2015		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/06/2016		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/05/2017		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/04/2018		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/07/2019		1.5	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/01/2020		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-5	3/03/2021		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-5	9/26/2023		1.2	1.0	ug/L
Acetone	MW-5	9/05/2017		19.6	10.0	ug/L
Benzene	MW-5	3/20/2009		1.0	1.0	ug/L
Benzene	MW-5	6/15/2009		1.1	1.0	ug/L
Benzene	MW-5	7/13/2009		1.1	1.0	ug/L
Benzene	MW-5	9/02/2009		1.2	1.0	ug/L
Benzene	MW-5	3/24/2010		1.1	1.0	ug/L
Benzene	MW-5	6/10/2010		1.1	1.0	ug/L
Benzene	MW-5	10/20/2010		1.2	1.0	ug/L
Benzene	MW-5	9/12/2011		1.2	1.0	ug/L
Benzene	MW-5	9/04/2012		1.2	1.0	ug/L
Benzene	MW-5	3/03/2021		1.2	1.0	ug/L
Bis(2-ethylhexyl)phthalate	MW-5	3/27/2019		76	6	ug/L
Bis(2-ethylhexyl)phthalate	MW-5	3/01/2024		13	6	ug/L
Chlorobenzene	MW-5	3/20/2009		6.0	1.0	ug/L
Chlorobenzene	MW-5	6/15/2009		6.4	1.0	ug/L
Chlorobenzene	MW-5	7/13/2009		7.7	1.0	ug/L
Chlorobenzene	MW-5	9/02/2009		6.9	1.0	ug/L
Chlorobenzene	MW-5	3/24/2010		5.9	1.0	ug/L
Chlorobenzene	MW-5	6/10/2010		5.0	1.0	ug/L
Chlorobenzene	MW-5	9/16/2010		4.0	1.0	ug/L
Chlorobenzene	MW-5	10/20/2010		5.5	1.0	ug/L
Chlorobenzene	MW-5	3/14/2011		2.9	1.0	ug/L
Chlorobenzene	MW-5	9/12/2011		4.9	1.0	ug/L
Chlorobenzene	MW-5	9/12/2011		4.9	1.0	ug/L
Chlorobenzene	MW-5	3/15/2012		2.8	1.0	ug/L
Chlorobenzene	MW-5	9/04/2012		6.9	1.0	ug/L
Chlorobenzene	MW-5	4/03/2013		1.7	1.0	ug/L
Chlorobenzene	MW-5	9/11/2013		3.9	1.0	ug/L
Chlorobenzene	MW-5	9/22/2014		2.8	1.0	ug/L
Chlorobenzene	MW-5	9/08/2015		4.0	1.0	ug/L
Chlorobenzene	MW-5	9/06/2016		4.4	1.0	ug/L
Chlorobenzene	MW-5	3/06/2017		1.1	1.0	ug/L
Chlorobenzene	MW-5	9/05/2017		5.3	1.0	ug/L
Chlorobenzene	MW-5	3/02/2018		2.6	1.0	ug/L
Chlorobenzene	MW-5	9/04/2018		4.8	1.0	ug/L
Chlorobenzene	MW-5	3/27/2019		3.0	1.0	ug/L
Chlorobenzene	MW-5	9/07/2019		3.4	1.0	ug/L
Chlorobenzene	MW-5	9/01/2020		5.3	1.0	ug/L
Chlorobenzene	MW-5	3/03/2021		6.4	1.0	ug/L
Chlorobenzene	MW-5	9/10/2021		2.5	1.0	ug/L
Chlorobenzene	MW-5	3/04/2022		1.3	1.0	ug/L
Chlorobenzene	MW-5	9/02/2022		1.5	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chlorobenzene	MW-5	3/21/2023		1.2	1.0	ug/L
Chlorobenzene	MW-5	9/26/2023		3.9	1.0	ug/L
Chlorobenzene	MW-5	3/17/2025		1.8	1.0	ug/L
Chloroethane	MW-5	3/20/2009		3.3	1.0	ug/L
Chloroethane	MW-5	6/15/2009		3.6	1.0	ug/L
Chloroethane	MW-5	7/13/2009		3.4	1.0	ug/L
Chloroethane	MW-5	9/02/2009		3.3	1.0	ug/L
Chloroethane	MW-5	3/24/2010		2.2	1.0	ug/L
Chloroethane	MW-5	6/10/2010		2.2	1.0	ug/L
Chloroethane	MW-5	9/16/2010		1.5	1.0	ug/L
Chloroethane	MW-5	10/20/2010		3.0	1.0	ug/L
Chloroethane	MW-5	3/14/2011		1.8	1.0	ug/L
Chloroethane	MW-5	9/12/2011		2.5	1.0	ug/L
Chloroethane	MW-5	3/15/2012		1.6	1.0	ug/L
Chloroethane	MW-5	9/04/2012		1.8	1.0	ug/L
Chloroethane	MW-5	9/11/2013		1.1	1.0	ug/L
Chloroethane	MW-5	9/22/2014		1.0	1.0	ug/L
Chloroethane	MW-5	3/03/2021		1.0	1.0	ug/L
Bis(2-ethylhexyl)phthalate	MW-6	3/14/2011		24	1	ug/L
Bis(2-ethylhexyl)phthalate	MW-6	3/14/2011		24	8	ug/L
Bis(2-ethylhexyl)phthalate	MW-6	9/11/2013		10	10	ug/L
Bis(2-ethylhexyl)phthalate	MW-6	9/06/2016		12	10	ug/L
Methane	MW-6	9/17/2025		87.3	5.0	ug/L
Acetone	MW-7	9/05/2017		19.8	10.0	ug/L
Cis-1,2-dichloroethylene	MW-7	9/11/2024		1	1	ug/L
Methane	MW-7	9/17/2025		18.3	5.0	ug/L
1,1-dichloroethane	MW-8	3/20/2009		8.8	1.0	ug/L
1,1-dichloroethane	MW-8	6/15/2009		9.6	1.0	ug/L
1,1-dichloroethane	MW-8	7/13/2009		9.0	1.0	ug/L
1,1-dichloroethane	MW-8	9/02/2009		8.0	1.0	ug/L
1,1-dichloroethane	MW-8	3/24/2010		6.6	1.0	ug/L
1,1-dichloroethane	MW-8	6/10/2010		7.3	1.0	ug/L
1,1-dichloroethane	MW-8	9/16/2010		7.6	1.0	ug/L
1,1-dichloroethane	MW-8	10/20/2010		8.4	1.0	ug/L
1,1-dichloroethane	MW-8	3/14/2011		7.4	1.0	ug/L
1,1-dichloroethane	MW-8	9/12/2011		9.3	1.0	ug/L
1,1-dichloroethane	MW-8	3/15/2012		5.6	1.0	ug/L
1,1-dichloroethane	MW-8	9/04/2012		5.5	1.0	ug/L
1,1-dichloroethane	MW-8	4/03/2013		5.2	1.0	ug/L
1,1-dichloroethane	MW-8	9/11/2013		6.0	1.0	ug/L
1,1-dichloroethane	MW-8	4/11/2014		6.1	1.0	ug/L
1,1-dichloroethane	MW-8	9/22/2014		5.8	1.0	ug/L
1,1-dichloroethane	MW-8	4/21/2015		6.1	1.0	ug/L
1,1-dichloroethane	MW-8	9/08/2015		2.3	1.0	ug/L
1,1-dichloroethane	MW-8	2/25/2016		4.0	1.0	ug/L
1,1-dichloroethane	MW-8	9/06/2016		4.6	1.0	ug/L
1,1-dichloroethane	MW-8	3/06/2017		4.8	1.0	ug/L
1,1-dichloroethane	MW-8	9/05/2017		2.8	1.0	ug/L
1,1-dichloroethane	MW-8	3/02/2018		4.8	1.0	ug/L
1,1-dichloroethane	MW-8	9/04/2018		2.7	1.0	ug/L
1,1-dichloroethane	MW-8	3/27/2019		1.6	1.0	ug/L
1,1-dichloroethane	MW-8	9/07/2019		2.6	1.0	ug/L
1,1-dichloroethane	MW-8	3/30/2020		2.1	1.0	ug/L
1,1-dichloroethane	MW-8	9/01/2020		3.5	1.0	ug/L
1,1-dichloroethane	MW-8	3/03/2021		5.9	1.0	ug/L
1,1-dichloroethane	MW-8	9/10/2021		3.1	1.0	ug/L
1,1-dichloroethane	MW-8	3/04/2022		3.4	1.0	ug/L
1,1-dichloroethane	MW-8	3/21/2023		1.6	1.0	ug/L
1,1-dichloroethane	MW-8	3/01/2024		1.0	1.0	ug/L
Bis(2-ethylhexyl)phthalate	MW-8	3/27/2019		42	6	ug/L
Bis(2-ethylhexyl)phthalate	MW-8	3/01/2024		21	6	ug/L
Chlorobenzene	MW-8	3/27/2019		1.4	1.0	ug/L
Chlorobenzene	MW-8	3/30/2020		1.0	1.0	ug/L
Chloroethane	MW-8	3/20/2009		2.1	1.0	ug/L
Chloroethane	MW-8	6/15/2009		1.3	1.0	ug/L
Chloroethane	MW-8	7/13/2009		1.2	1.0	ug/L
Chloroethane	MW-8	9/02/2009		1.9	1.0	ug/L
Chloroethane	MW-8	3/24/2010		1.3	1.0	ug/L
Chloroethane	MW-8	6/10/2010		1.4	1.0	ug/L
Chloroethane	MW-8	9/16/2010		1.9	1.0	ug/L
Chloroethane	MW-8	10/20/2010		1.9	1.0	ug/L
Chloroethane	MW-8	3/14/2011		1.4	1.0	ug/L
Chloroethane	MW-8	9/12/2011		1.8	1.0	ug/L
Chloroethane	MW-8	3/15/2012		1.5	1.0	ug/L
Chloroethane	MW-8	9/11/2013		1.4	1.0	ug/L
Chloroethane	MW-8	4/11/2014		1.3	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	MW-8	9/22/2014		1.7	1.0	ug/L
Chloroethane	MW-8	4/21/2015		1.7	1.0	ug/L
Chloroethane	MW-8	2/25/2016		1.2	1.0	ug/L
Chloroethane	MW-8	3/06/2017		1.6	1.0	ug/L
Chloroethane	MW-8	9/05/2017		1.4	1.0	ug/L
Chloroethane	MW-8	3/02/2018		1.5	1.0	ug/L
Chloroethane	MW-8	9/04/2018		1.0	1.0	ug/L
Chloroethane	MW-8	9/01/2020		1.3	1.0	ug/L
Chloroethane	MW-8	3/03/2021		1.1	1.0	ug/L
Chloroethane	MW-8	9/10/2021		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/02/2009		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/24/2010		3.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/24/2010		4.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	6/10/2010		4.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/16/2010		4.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/16/2010		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/14/2011		4.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/14/2011		5.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/12/2011		4.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/15/2012		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/04/2012		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	4/03/2013		2.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/11/2013		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	4/11/2014		3.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/22/2014		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	4/21/2015		3.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	2/25/2016		2.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/06/2016		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/06/2017		2.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/05/2017		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/02/2018		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/04/2018		1.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/27/2019		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/30/2020		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/01/2020		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/03/2021		4.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/10/2021		1.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/04/2022		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	9/02/2022		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/21/2023		1.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	3/17/2025		1.3	1.0	ug/L
Dichlorodifluoromethane	MW-8	3/20/2009		1.8	1.0	ug/L
Dichlorodifluoromethane	MW-8	7/13/2009		2.5	1.0	ug/L
Dichlorodifluoromethane	MW-8	9/02/2009		2.2	1.0	ug/L
Dichlorodifluoromethane	MW-8	3/24/2010		1.4	1.0	ug/L
Dichlorodifluoromethane	MW-8	10/20/2010		2.2	1.0	ug/L
Dichlorodifluoromethane	MW-8	3/14/2011		3.0	1.0	ug/L
Dichlorodifluoromethane	MW-8	3/15/2012		1.7	1.0	ug/L
Dichlorodifluoromethane	MW-8	4/03/2013		1.1	1.0	ug/L
Dichlorodifluoromethane	MW-8	9/11/2013		1.3	1.0	ug/L
Dichlorodifluoromethane	MW-8	4/11/2014		1.1	1.0	ug/L
Dichlorodifluoromethane	MW-8	9/22/2014		1.3	1.0	ug/L
Dichlorodifluoromethane	MW-8	4/21/2015		1.6	1.0	ug/L
Dinoseb	MW-8	4/11/2014		.6	.5	ug/L
Methane	MW-8	3/17/2025		439	25	ug/L
Methane	MW-8	9/17/2025		1310	50	ug/L
Trans-1,2-dichloroethylene	MW-8	3/02/2018		2.9	1.0	ug/L
Methane	Sump 2	3/17/2025		30.5	5.0	ug/L
Methane	Sump 3	9/17/2025		2360	50	ug/L

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

Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
1,1-dichloroethane	ug/L	MW-21	4	2.725	0.403	1.176	2.251	3.199	140.000		
Chlorobenzene	ug/L	MW-21	4	0.500	0.000	1.176	0.500	0.500	100.000		
Cis-1,2-dichloroethylene	ug/L	MW-21	4	0.500	0.000	1.176	0.500	0.500	70.000		
Dichlorodifluoromethane	ug/L	MW-21	4	0.875	0.750	1.176	0.000	1.757	1000.000		
Tetrachloroethylene	ug/L	MW-21	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,1-dichloroethane	ug/L	MW-23	4	0.500	0.000	1.176	0.500	0.500	140.000		
Chlorobenzene	ug/L	MW-23	4	0.500	0.000	1.176	0.500	0.500	100.000		
Cis-1,2-dichloroethylene	ug/L	MW-23	4	0.625	0.250	1.176	0.331	0.919	70.000		
Dichlorodifluoromethane	ug/L	MW-23	4	0.500	0.000	1.176	0.500	0.500	1000.000		
Tetrachloroethylene	ug/L	MW-23	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,1-dichloroethane	ug/L	MW-24	4	0.500	0.000	1.176	0.500	0.500	140.000		
Chlorobenzene	ug/L	MW-24	4	0.500	0.000	1.176	0.500	0.500	100.000		
Cis-1,2-dichloroethylene	ug/L	MW-24	4	1.650	0.904	1.176	0.587	2.713	70.000		*
Dichlorodifluoromethane	ug/L	MW-24	3								
Tetrachloroethylene	ug/L	MW-24	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,1-dichloroethane	ug/L	MW-5	4	0.500	0.000	1.176	0.500	0.500	140.000	dec	
Chlorobenzene	ug/L	MW-5	4	0.825	0.650	1.176	0.060	1.590	100.000	dec	
Cis-1,2-dichloroethylene	ug/L	MW-5	4	0.500	0.000	1.176	0.500	0.500	70.000		
Dichlorodifluoromethane	ug/L	MW-5	4	0.500	0.000	1.176	0.500	0.500	1000.000		
Tetrachloroethylene	ug/L	MW-5	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,1-dichloroethane	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	140.000		
Chlorobenzene	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	100.000		
Cis-1,2-dichloroethylene	ug/L	MW-7	4	0.625	0.250	1.176	0.331	0.919	70.000		
Dichlorodifluoromethane	ug/L	MW-7	3								*
Tetrachloroethylene	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,1-dichloroethane	ug/L	MW-8	4	0.625	0.250	1.176	0.331	0.919	140.000	dec	
Chlorobenzene	ug/L	MW-8	4	0.500	0.000	1.176	0.500	0.500	100.000		
Cis-1,2-dichloroethylene	ug/L	MW-8	4	0.700	0.400	1.176	0.229	1.171	70.000	dec	
Dichlorodifluoromethane	ug/L	MW-8	4	0.500	0.000	1.176	0.500	0.500	1000.000		
Tetrachloroethylene	ug/L	MW-8	4	0.500	0.000	1.176	0.500	0.500	5.000		

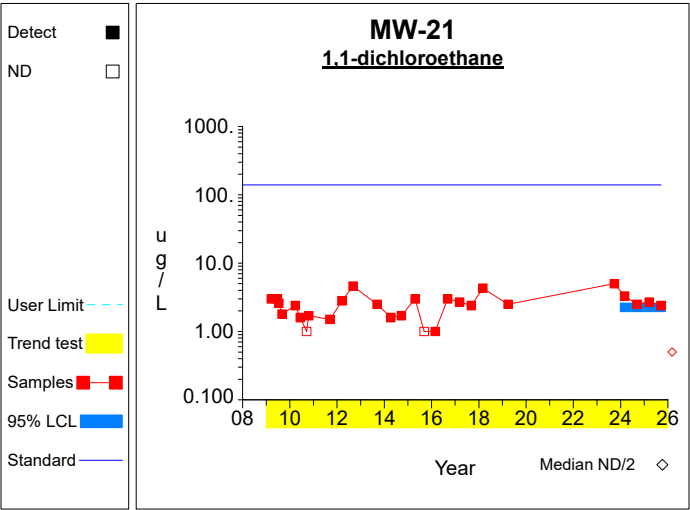
* - Insufficient Data

** - Significant Exceedance

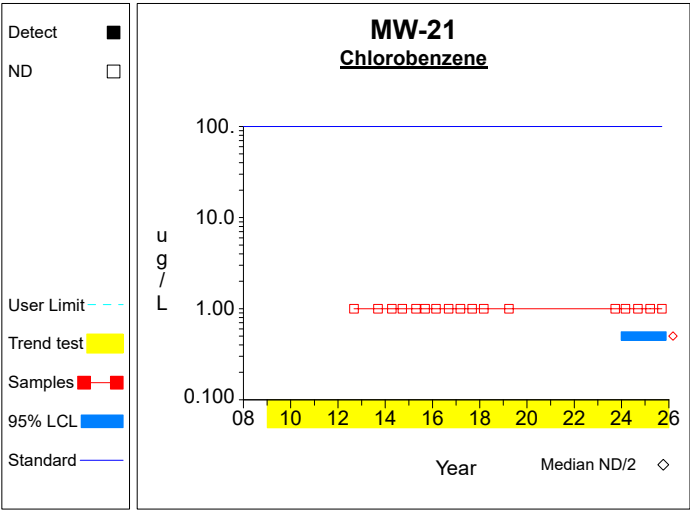
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

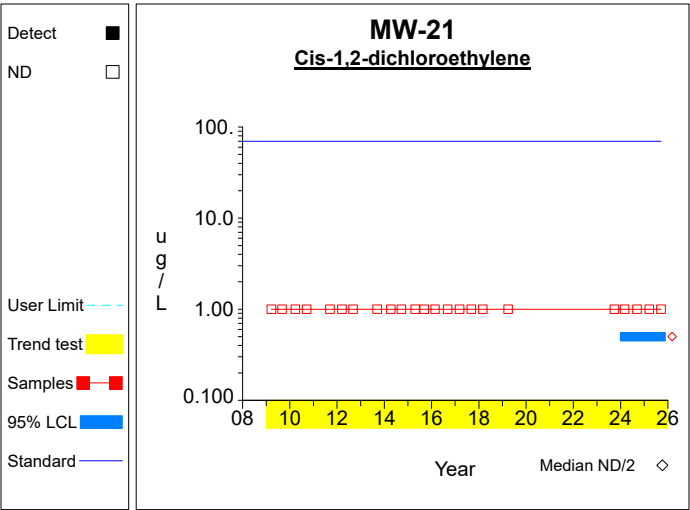
Confidence Limits (Assessment)



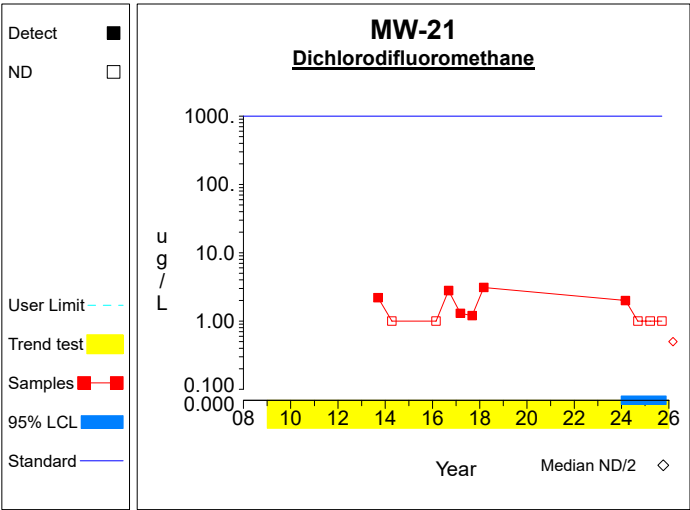
Graph 1



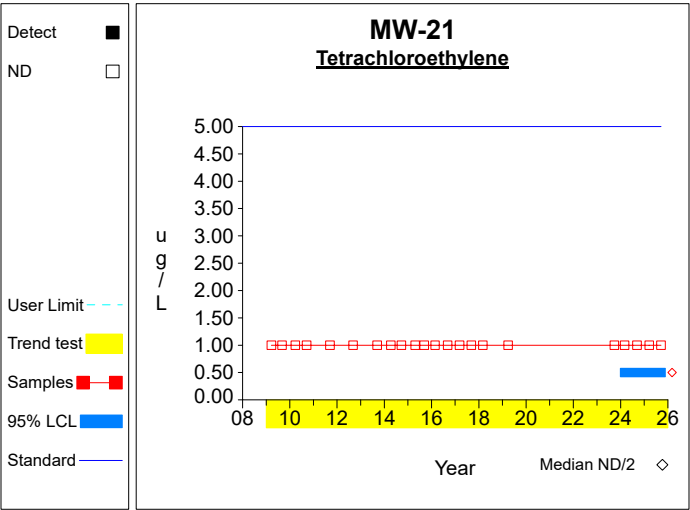
Graph 2



Graph 3

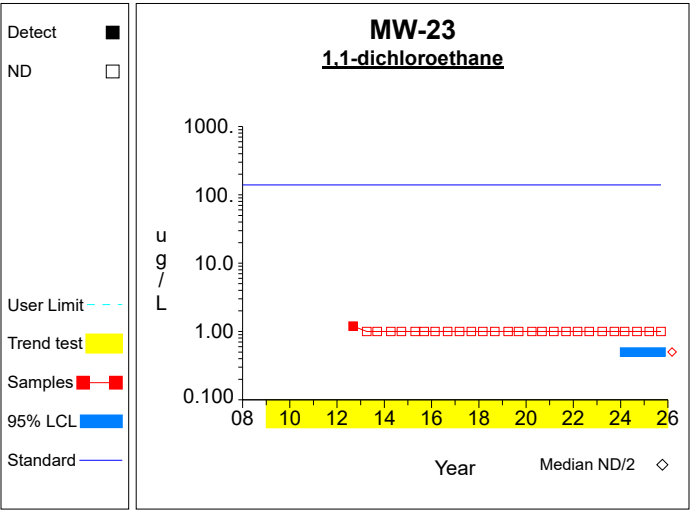


Graph 4

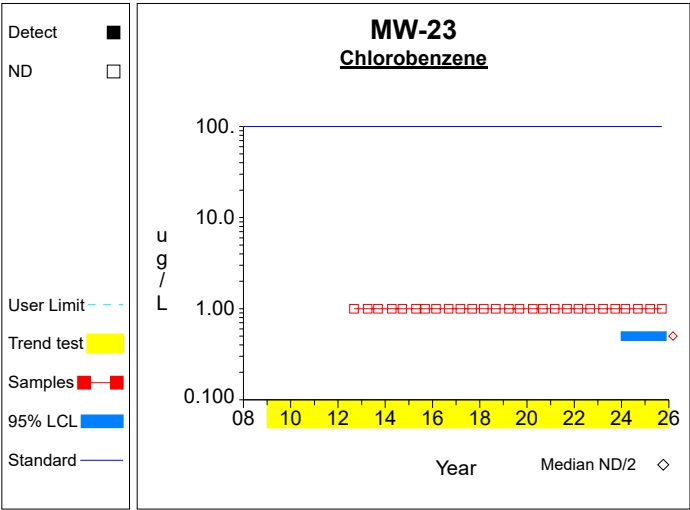


Graph 5

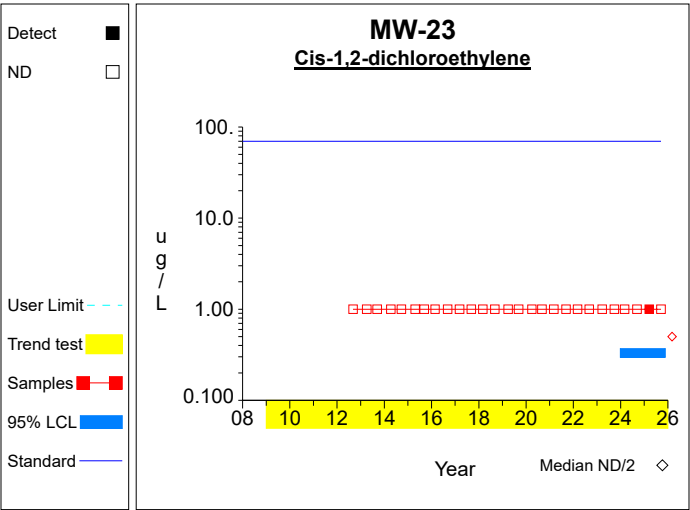
Confidence Limits (Assessment)



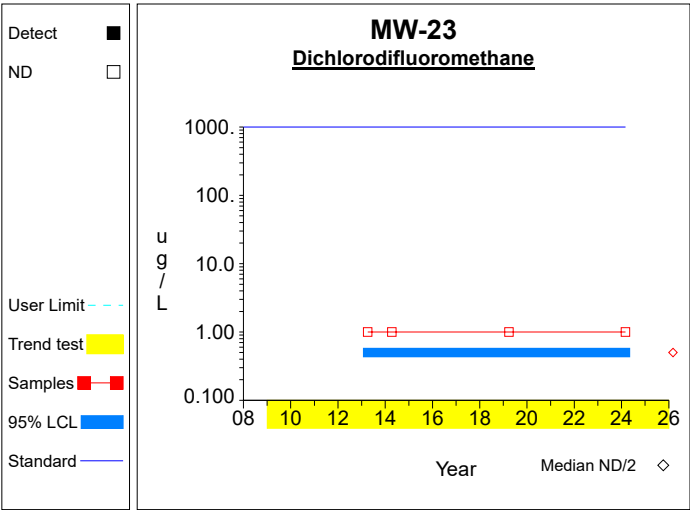
Graph 6



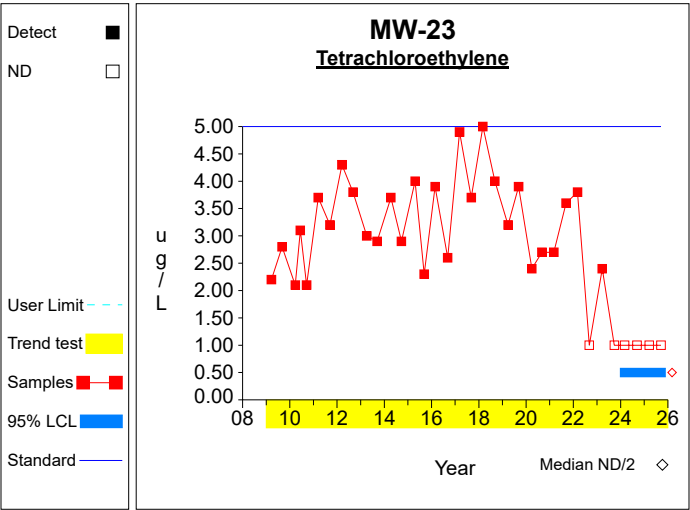
Graph 7



Graph 8

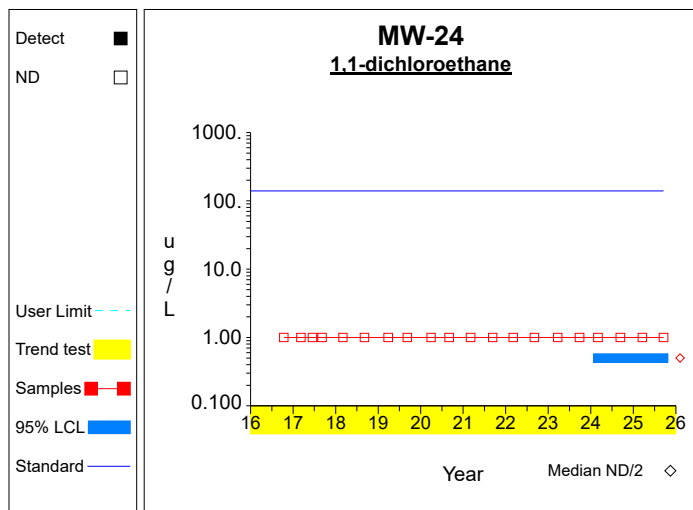


Graph 9

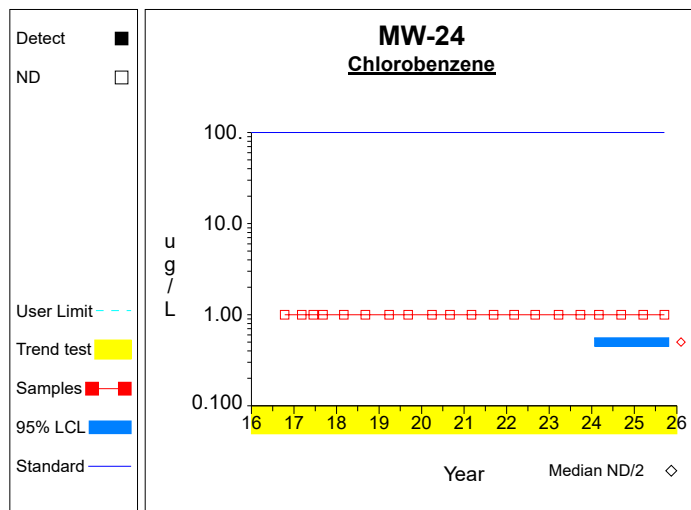


Graph 10

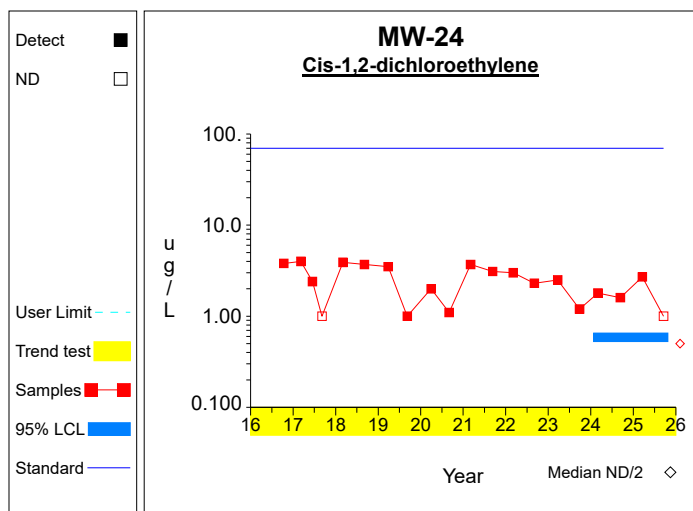
Confidence Limits (Assessment)



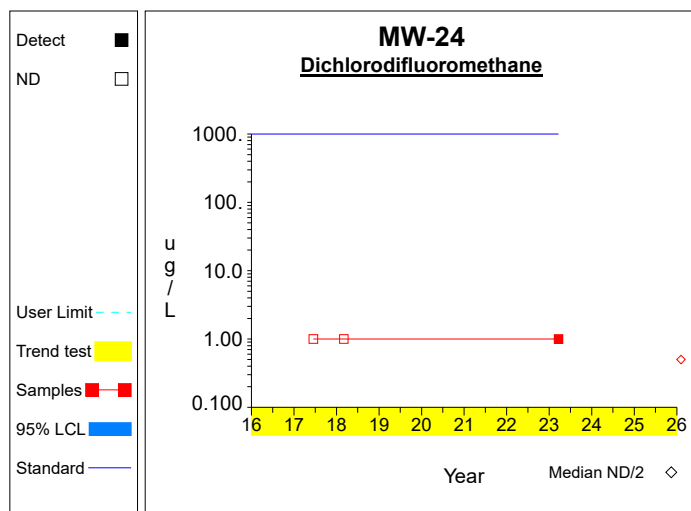
Graph 11



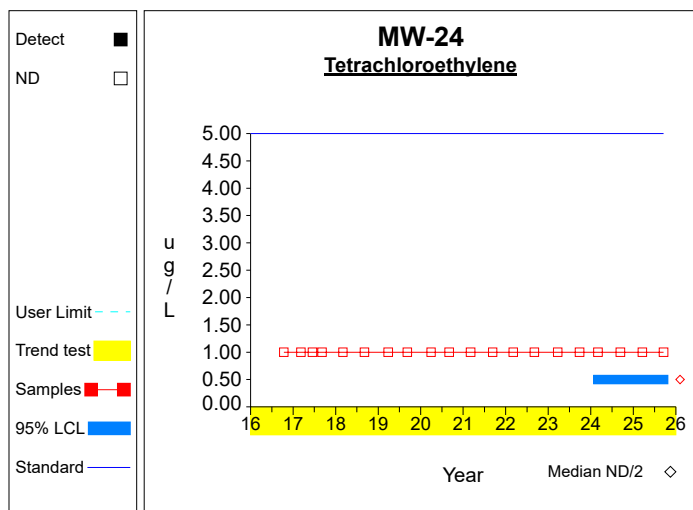
Graph 12



Graph 13

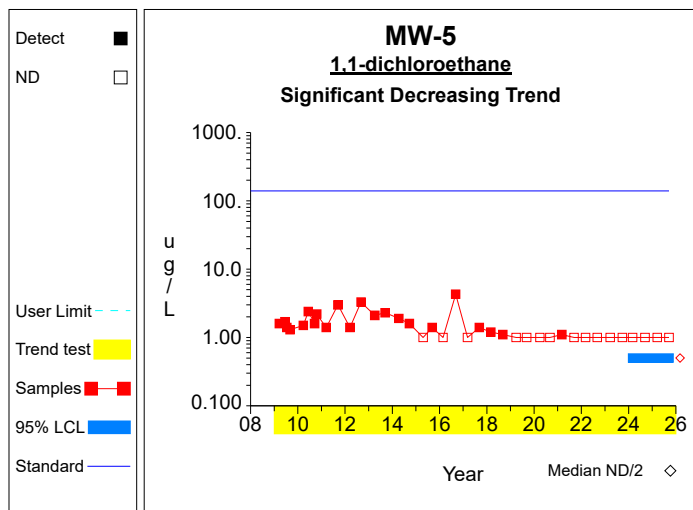


Graph 14

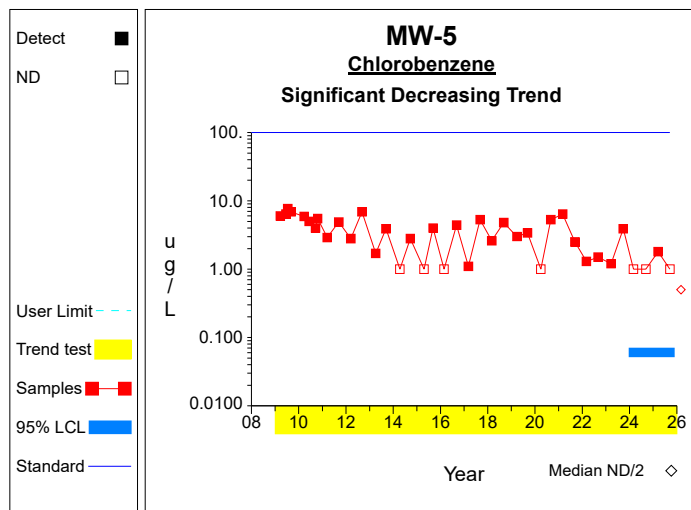


Graph 15

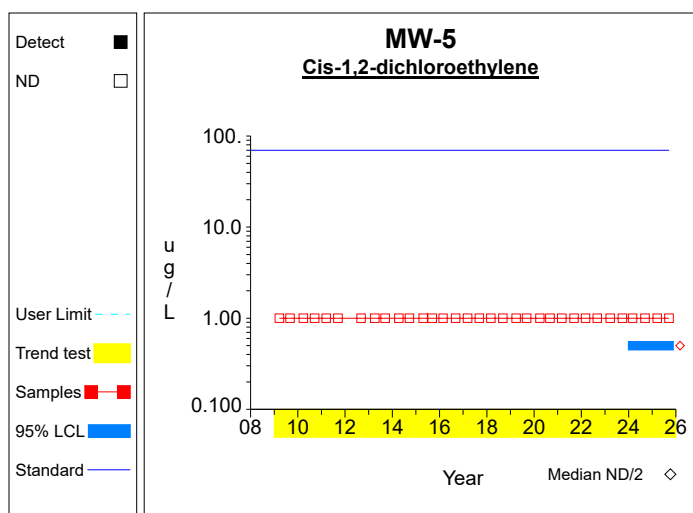
Confidence Limits (Assessment)



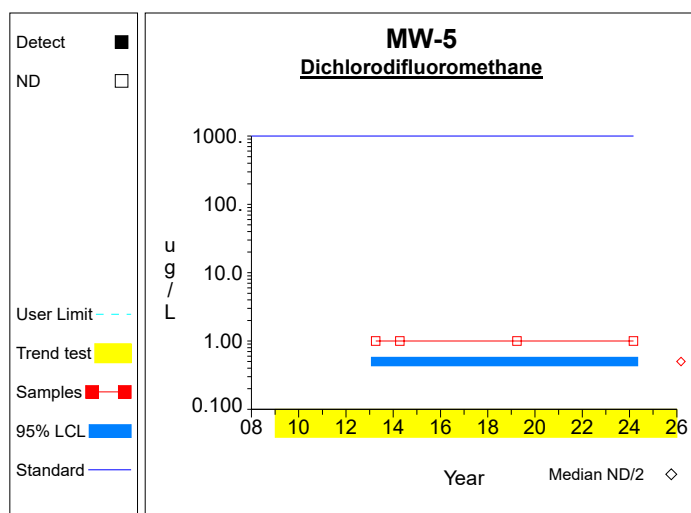
Graph 16



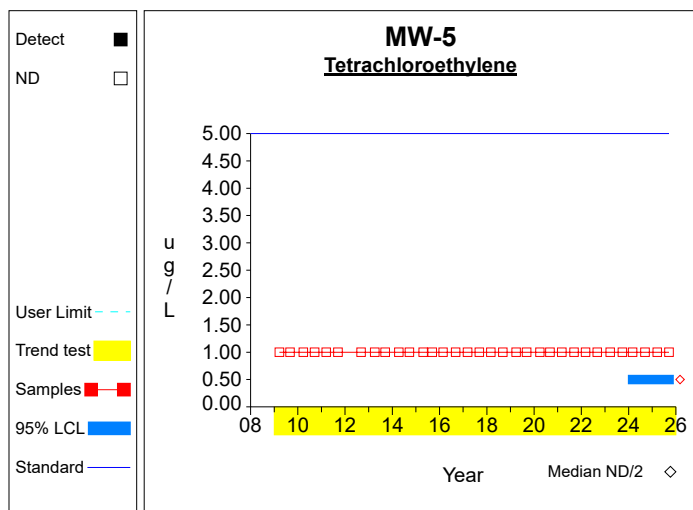
Graph 17



Graph 18

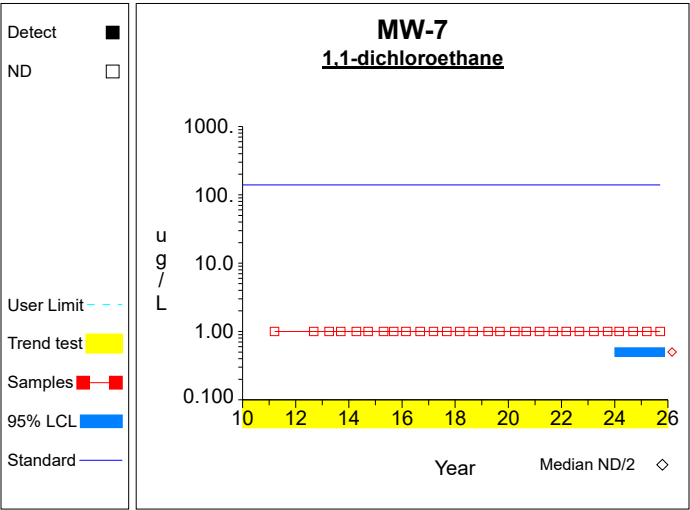


Graph 19

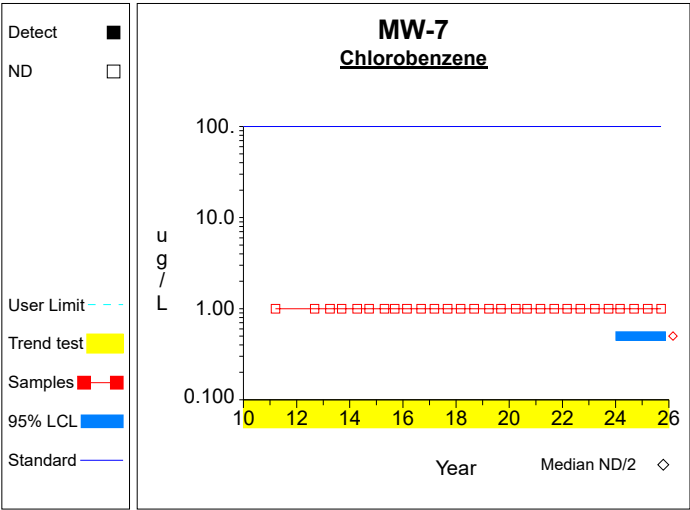


Graph 20

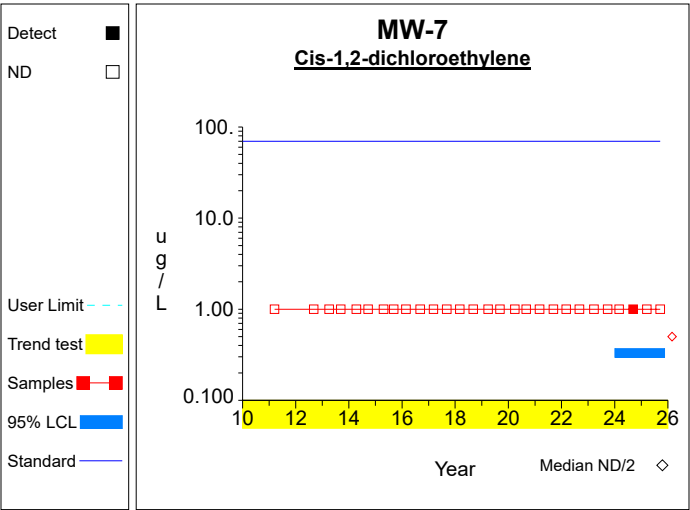
Confidence Limits (Assessment)



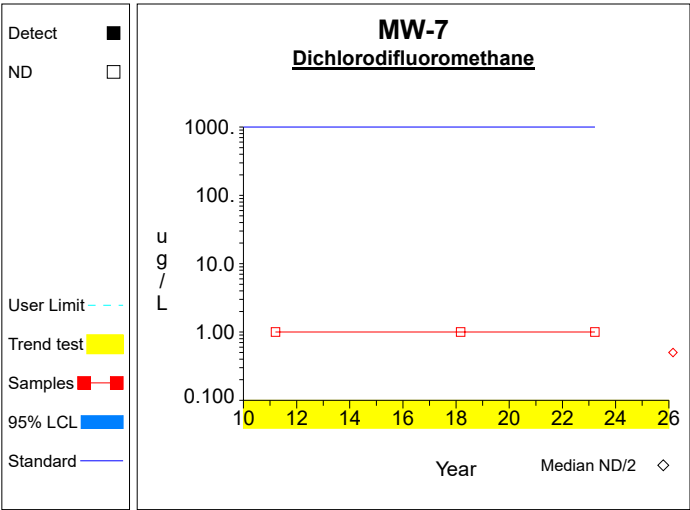
Graph 21



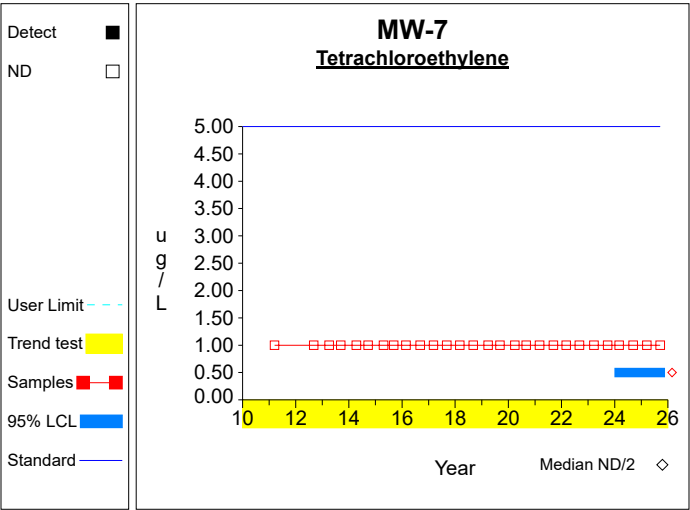
Graph 22



Graph 23

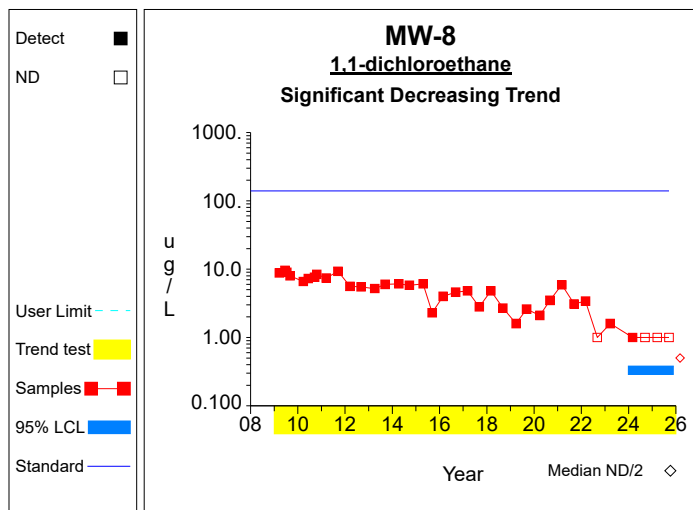


Graph 24

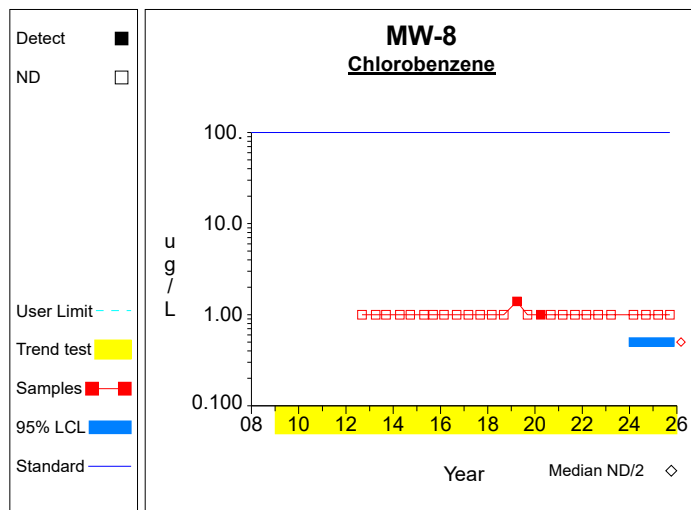


Graph 25

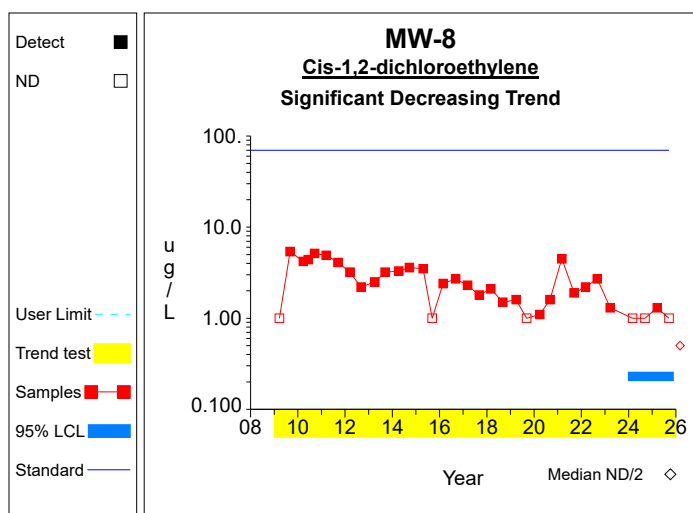
Confidence Limits (Assessment)



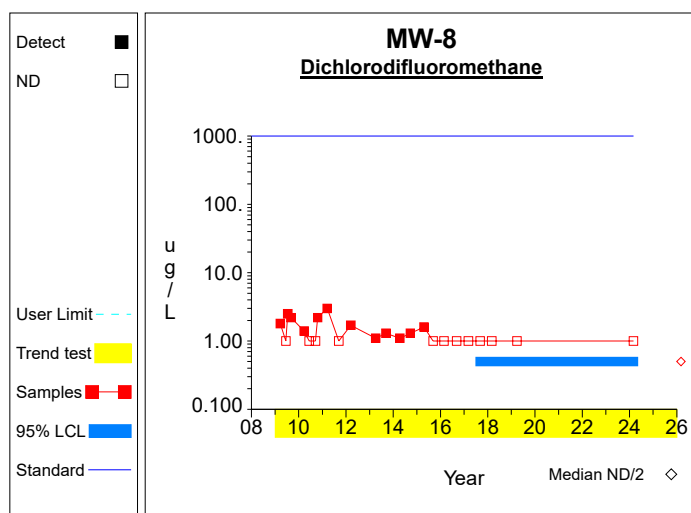
Graph 26



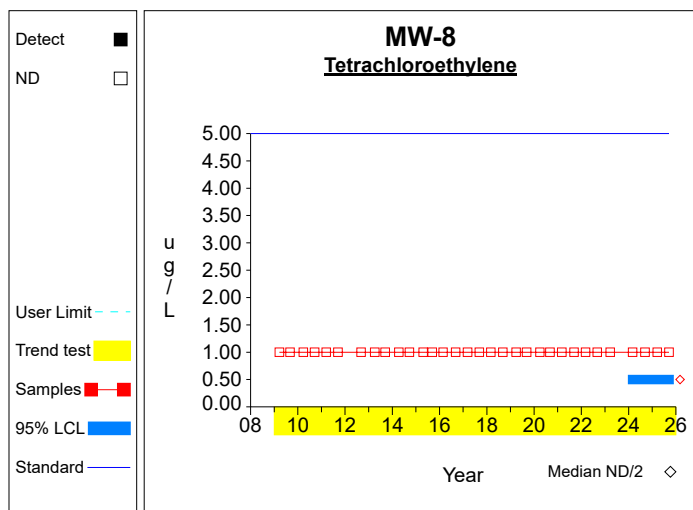
Graph 27



Graph 28



Graph 29



Graph 30

Appendix C

Laboratory Reports for Reporting Period *With Chain of Custody*



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1317

Project Description

6039

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Thursday, April 24, 2025

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

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

Microbac Laboratories, Inc.

600 East 17th Street South | Newton, IA 50208 | 641-792-8451 p | www.microbac.com



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1317

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6039

Project / PO Number: N/A
Received: 03/19/2025
Reported: 04/24/2025

Sample Summary Report

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Client Matrix</u>	<u>Sample Type</u>	<u>Sample Begin</u>	<u>Sample Taken</u>	<u>Lab Received</u>
MW-11 (b)	1IC1317-01	Aqueous	GRAB		03/17/25 10:50	03/19/25 10:15
MW-20 (b)	1IC1317-02	Aqueous	GRAB		03/17/25 10:32	03/19/25 10:15
MW-5	1IC1317-03	Aqueous	GRAB		03/17/25 13:09	03/19/25 10:15
MW-6	1IC1317-04	Aqueous	GRAB		03/17/25 13:00	03/19/25 10:15
MW-7	1IC1317-05	Aqueous	GRAB		03/17/25 12:45	03/19/25 10:15
MW-8	1IC1317-06	Aqueous	GRAB		03/17/25 12:39	03/19/25 10:15
MW-23	1IC1317-07	Aqueous	GRAB		03/17/25 12:10	03/19/25 10:15
MW-24	1IC1317-08	Aqueous	GRAB		03/17/25 11:27	03/19/25 10:15
MW-25	1IC1317-09	Aqueous	GRAB		03/17/25 11:08	03/19/25 10:15
Duplicate	1IC1317-10	Aqueous	GRAB		03/17/25 11:27	03/19/25 10:15
MW-21	1IC1317-11	Aqueous	GRAB		03/17/25 13:30	03/19/25 10:15
Sump-1	1IC1317-12	Aqueous	GRAB		03/17/25 11:45	03/19/25 10:15
Sump-2	1IC1317-13	Aqueous	GRAB		03/17/25 11:49	03/19/25 10:15
Sump-3	1IC1317-14	Aqueous	GRAB		03/17/25 11:54	03/19/25 10:15



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1317

Analytical Testing Parameters

Client Sample ID: MW-11 (b)
Sample Matrix: Aqueous
Lab Sample ID: 1IC1317-01

Collected By: JGH
Collection Date: 03/17/2025 10:50

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Acetone	<10.0	10.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Chloroform	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Benzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Toluene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM

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CERTIFICATE OF ANALYSIS

1IC1317

Client Sample ID: MW-11 (b)
Sample Matrix: Aqueous
Lab Sample ID: 1IC1317-01

Collected By: JGH
Collection Date: 03/17/2025 10:50

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Styrene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Bromoform	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0606	CSM
Surrogate: Dibromofluoromethane	63.8	Limit: 75-136	% Rec	1	S2	03/20/25 0000	03/21/25 0606	CSM
Surrogate: Dibromofluoromethane	63.8	Limit: 57-134	% Rec	1		03/20/25 0000	03/21/25 0606	CSM
Surrogate: 1,2-Dichloroethane-d4	62.5	Limit: 53-140	% Rec	1		03/20/25 0000	03/21/25 0606	CSM
Surrogate: 1,2-Dichloroethane-d4	62.5	Limit: 61-142	% Rec	1		03/20/25 0000	03/21/25 0606	CSM
Surrogate: Toluene-d8	110	Limit: 86-114	% Rec	1		03/20/25 0000	03/21/25 0606	CSM
Surrogate: Toluene-d8	110	Limit: 82-121	% Rec	1		03/20/25 0000	03/21/25 0606	CSM
Surrogate: 4-Bromofluorobenzene	97.9	Limit: 78-121	% Rec	1		03/20/25 0000	03/21/25 0606	CSM
Surrogate: 4-Bromofluorobenzene	97.9	Limit: 80-116	% Rec	1		03/20/25 0000	03/21/25 0606	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4	M4	03/31/25 1022	04/04/25 2015	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4	M4	03/31/25 1022	04/04/25 2015	RVV
Barium, total	0.127	0.0040	mg/L	4	M4	03/31/25 1022	04/04/25 2015	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4	M4	03/31/25 1022	04/04/25 2015	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4	M4	03/31/25 1022	04/04/25 2015	RVV
Chromium, total	<0.0080	0.0080	mg/L	4	M4	03/31/25 1022	04/04/25 2015	RVV
Cobalt, total	<0.0004	0.0004	mg/L	4	M4	03/31/25 1022	04/04/25 2015	RVV
Copper, total	<0.0040	0.0040	mg/L	4	M4	03/31/25 1022	04/04/25 2015	RVV
Lead, total	<0.0040	0.0040	mg/L	4	M4	03/31/25 1022	04/04/25 2015	RVV
Nickel, total	<0.0040	0.0040	mg/L	4	M4	03/31/25 1022	04/04/25 2015	RVV
Selenium, total	<0.0040	0.0040	mg/L	4	M4	03/31/25 1022	04/04/25 2015	RVV
Silver, total	<0.0040	0.0040	mg/L	4	M4, R1	03/31/25 1022	04/04/25 2015	RVV
Thallium, total	<0.0020	0.0020	mg/L	4	M4	03/31/25 1022	04/04/25 2015	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4	M4	03/31/25 1022	04/04/25 2015	RVV
Zinc, total	<0.0200	0.0200	mg/L	4	M4	03/31/25 1022	04/04/25 2015	RVV

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CERTIFICATE OF ANALYSIS

11C1317

Client Sample ID: MW-20 (b)
Sample Matrix: Aqueous
Lab Sample ID: 11C1317-02

Collected By: JGH
Collection Date: 03/17/2025 10:32

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Acetone	<10.0	10.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Chloroform	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Benzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Toluene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Styrene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Bromoform	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM

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CERTIFICATE OF ANALYSIS

11C1317

Client Sample ID: MW-20 (b)
Sample Matrix: Aqueous
Lab Sample ID: 11C1317-02

Collected By: JGH
Collection Date: 03/17/2025 10:32

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0628	CSM
Surrogate: Dibromofluoromethane	69.3	Limit: 75-136	% Rec	1	S2	03/20/25 0000	03/21/25 0628	CSM
Surrogate: Dibromofluoromethane	69.3	Limit: 57-134	% Rec	1		03/20/25 0000	03/21/25 0628	CSM
Surrogate: 1,2-Dichloroethane-d4	65.0	Limit: 61-142	% Rec	1		03/20/25 0000	03/21/25 0628	CSM
Surrogate: 1,2-Dichloroethane-d4	65.0	Limit: 53-140	% Rec	1		03/20/25 0000	03/21/25 0628	CSM
Surrogate: Toluene-d8	108	Limit: 86-114	% Rec	1		03/20/25 0000	03/21/25 0628	CSM
Surrogate: Toluene-d8	108	Limit: 82-121	% Rec	1		03/20/25 0000	03/21/25 0628	CSM
Surrogate: 4-Bromofluorobenzene	98.3	Limit: 80-116	% Rec	1		03/20/25 0000	03/21/25 0628	CSM
Surrogate: 4-Bromofluorobenzene	98.3	Limit: 78-121	% Rec	1		03/20/25 0000	03/21/25 0628	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2040	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2040	RVV
Barium, total	0.0687	0.0040	mg/L	4		03/31/25 1022	04/04/25 2040	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2040	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/31/25 1022	04/04/25 2040	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/31/25 1022	04/04/25 2040	RVV
Cobalt, total	<0.0004	0.0004	mg/L	4		03/31/25 1022	04/04/25 2040	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2040	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2040	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2040	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2040	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2040	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2040	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2040	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2040	RVV

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CERTIFICATE OF ANALYSIS

1IC1317

Client Sample ID: MW-5
Sample Matrix: Aqueous
Lab Sample ID: 1IC1317-03

Collected By: JGH
Collection Date: 03/17/2025 13:09

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Acetone	<10.0	10.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Chloroform	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Benzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Toluene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Chlorobenzene	1.8	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Styrene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Bromoform	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM

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CERTIFICATE OF ANALYSIS

11C1317

Client Sample ID: MW-5
Sample Matrix: Aqueous
Lab Sample ID: 11C1317-03

Collected By: JGH
Collection Date: 03/17/2025 13:09

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0650	CSM
Surrogate: Dibromofluoromethane	75.7	Limit: 57-134	% Rec	1		03/20/25 0000	03/21/25 0650	CSM
Surrogate: Dibromofluoromethane	75.7	Limit: 75-136	% Rec	1		03/20/25 0000	03/21/25 0650	CSM
Surrogate: 1,2-Dichloroethane-d4	71.1	Limit: 61-142	% Rec	1		03/20/25 0000	03/21/25 0650	CSM
Surrogate: 1,2-Dichloroethane-d4	71.1	Limit: 53-140	% Rec	1		03/20/25 0000	03/21/25 0650	CSM
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec	1		03/20/25 0000	03/21/25 0650	CSM
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec	1		03/20/25 0000	03/21/25 0650	CSM
Surrogate: 4-Bromofluorobenzene	97.0	Limit: 80-116	% Rec	1		03/20/25 0000	03/21/25 0650	CSM
Surrogate: 4-Bromofluorobenzene	97.0	Limit: 78-121	% Rec	1		03/20/25 0000	03/21/25 0650	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2046	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2046	RVV
Barium, total	0.317	0.0040	mg/L	4		03/31/25 1022	04/04/25 2046	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2046	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/31/25 1022	04/04/25 2046	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/31/25 1022	04/04/25 2046	RVV
Cobalt, total	<0.0004	0.0004	mg/L	4		03/31/25 1022	04/04/25 2046	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2046	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2046	RVV
Nickel, total	0.0106	0.0040	mg/L	4		03/31/25 1022	04/04/25 2046	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2046	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2046	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2046	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2046	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2046	RVV

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CERTIFICATE OF ANALYSIS

1IC1317

Client Sample ID: MW-6
Sample Matrix: Aqueous
Lab Sample ID: 1IC1317-04

Collected By: JGH
Collection Date: 03/17/2025 13:00

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Acetone	<10.0	10.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Chloroform	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Benzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Toluene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Styrene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Bromoform	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM

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CERTIFICATE OF ANALYSIS

11C1317

Client Sample ID: MW-6
Sample Matrix: Aqueous
Lab Sample ID: 11C1317-04

Collected By: JGH
Collection Date: 03/17/2025 13:00

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/20/25 0000	03/21/25 0713	CSM
Surrogate: Dibromofluoromethane	71.2	Limit: 57-134	% Rec	1		03/20/25 0000	03/21/25 0713	CSM
Surrogate: Dibromofluoromethane	71.2	Limit: 75-136	% Rec	1	S2	03/20/25 0000	03/21/25 0713	CSM
Surrogate: 1,2-Dichloroethane-d4	69.0	Limit: 53-140	% Rec	1		03/20/25 0000	03/21/25 0713	CSM
Surrogate: 1,2-Dichloroethane-d4	69.0	Limit: 61-142	% Rec	1		03/20/25 0000	03/21/25 0713	CSM
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec	1		03/20/25 0000	03/21/25 0713	CSM
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec	1		03/20/25 0000	03/21/25 0713	CSM
Surrogate: 4-Bromofluorobenzene	95.9	Limit: 78-121	% Rec	1		03/20/25 0000	03/21/25 0713	CSM
Surrogate: 4-Bromofluorobenzene	95.9	Limit: 80-116	% Rec	1		03/20/25 0000	03/21/25 0713	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2052	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2052	RVV
Barium, total	0.211	0.0040	mg/L	4		03/31/25 1022	04/04/25 2052	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2052	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/31/25 1022	04/04/25 2052	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/31/25 1022	04/04/25 2052	RVV
Cobalt, total	0.0004	0.0004	mg/L	4		03/31/25 1022	04/04/25 2052	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2052	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2052	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2052	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2052	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2052	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2052	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2052	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2052	RVV

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CERTIFICATE OF ANALYSIS

1IC1317

Client Sample ID: MW-7
Sample Matrix: Aqueous
Lab Sample ID: 1IC1317-05

Collected By: JGH
Collection Date: 03/17/2025 12:45

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Acetone	<10.0	10.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Chloroform	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Benzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Toluene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Styrene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Bromoform	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM

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CERTIFICATE OF ANALYSIS

11C1317

Client Sample ID: MW-7
Sample Matrix: Aqueous
Lab Sample ID: 11C1317-05

Collected By: JGH
Collection Date: 03/17/2025 12:45

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1806	CSM
Surrogate: Dibromofluoromethane	66.9	Limit: 75-136	% Rec	1	S2	03/21/25 0000	03/21/25 1806	CSM
Surrogate: Dibromofluoromethane	66.9	Limit: 57-134	% Rec	1		03/21/25 0000	03/21/25 1806	CSM
Surrogate: 1,2-Dichloroethane-d4	62.5	Limit: 61-142	% Rec	1		03/21/25 0000	03/21/25 1806	CSM
Surrogate: 1,2-Dichloroethane-d4	62.5	Limit: 53-140	% Rec	1		03/21/25 0000	03/21/25 1806	CSM
Surrogate: Toluene-d8	108	Limit: 82-121	% Rec	1		03/21/25 0000	03/21/25 1806	CSM
Surrogate: Toluene-d8	108	Limit: 86-114	% Rec	1		03/21/25 0000	03/21/25 1806	CSM
Surrogate: 4-Bromofluorobenzene	97.1	Limit: 80-116	% Rec	1		03/21/25 0000	03/21/25 1806	CSM
Surrogate: 4-Bromofluorobenzene	97.1	Limit: 78-121	% Rec	1		03/21/25 0000	03/21/25 1806	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2110	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2110	RVV
Barium, total	0.382	0.0040	mg/L	4		03/31/25 1022	04/04/25 2110	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2110	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/31/25 1022	04/04/25 2110	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/31/25 1022	04/04/25 2110	RVV
Cobalt, total	0.0043	0.0004	mg/L	4		03/31/25 1022	04/04/25 2110	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2110	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2110	RVV
Nickel, total	0.0076	0.0040	mg/L	4		03/31/25 1022	04/04/25 2110	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2110	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2110	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2110	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2110	RVV
Zinc, total	0.0264	0.0200	mg/L	4		03/31/25 1022	04/04/25 2110	RVV

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CERTIFICATE OF ANALYSIS

1IC1317

Client Sample ID: MW-8
Sample Matrix: Aqueous
Lab Sample ID: 1IC1317-06

Collected By: JGH
Collection Date: 03/17/2025 12:39

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA RSK-175								
Method Notes: H2								
Methane	439	25.0	ug/L	5	D3	04/23/25 1346	04/23/25 1558	KJB
Ethene	<5.00	5.00	ug/L	1	Q2	03/26/25 1431	03/26/25 1840	KJB
Ethane	<5.00	5.00	ug/L	1	Q2	03/26/25 1431	03/26/25 1840	KJB

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Acetone	<10.0	10.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
cis-1,2-Dichloroethylene	1.3	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Chloroform	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Benzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Toluene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM

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CERTIFICATE OF ANALYSIS

1IC1317

Client Sample ID: MW-8
Sample Matrix: Aqueous
Lab Sample ID: 1IC1317-06

Collected By: JGH
Collection Date: 03/17/2025 12:39

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Styrene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Bromoform	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1829	CSM
Surrogate: Dibromofluoromethane	75.6	Limit: 75-136	% Rec	1		03/21/25 0000	03/21/25 1829	CSM
Surrogate: Dibromofluoromethane	75.6	Limit: 57-134	% Rec	1		03/21/25 0000	03/21/25 1829	CSM
Surrogate: 1,2-Dichloroethane-d4	75.4	Limit: 61-142	% Rec	1		03/21/25 0000	03/21/25 1829	CSM
Surrogate: 1,2-Dichloroethane-d4	75.4	Limit: 53-140	% Rec	1		03/21/25 0000	03/21/25 1829	CSM
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec	1		03/21/25 0000	03/21/25 1829	CSM
Surrogate: Toluene-d8	103	Limit: 86-114	% Rec	1		03/21/25 0000	03/21/25 1829	CSM
Surrogate: 4-Bromofluorobenzene	94.7	Limit: 80-116	% Rec	1		03/21/25 0000	03/21/25 1829	CSM
Surrogate: 4-Bromofluorobenzene	94.7	Limit: 78-121	% Rec	1		03/21/25 0000	03/21/25 1829	CSM
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2116	RVV
Arsenic, total	0.0160	0.0040	mg/L	4		03/31/25 1022	04/04/25 2116	RVV
Barium, total	1.02	0.0040	mg/L	4		03/31/25 1022	04/04/25 2116	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2116	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/31/25 1022	04/04/25 2116	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/31/25 1022	04/04/25 2116	RVV
Cobalt, total	0.0092	0.0004	mg/L	4		03/31/25 1022	04/04/25 2116	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2116	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2116	RVV
Nickel, total	0.134	0.0040	mg/L	4		03/31/25 1022	04/04/25 2116	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2116	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2116	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2116	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2116	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2116	RVV

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CERTIFICATE OF ANALYSIS

1IC1317

Client Sample ID: MW-23
Sample Matrix: Aqueous
Lab Sample ID: 1IC1317-07

Collected By: JGH
Collection Date: 03/17/2025 12:10

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Acetone	<10.0	10.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
cis-1,2-Dichloroethylene	1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Chloroform	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Benzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Toluene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Styrene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Bromoform	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM

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CERTIFICATE OF ANALYSIS

11C1317

Client Sample ID: MW-23
Sample Matrix: Aqueous
Lab Sample ID: 11C1317-07

Collected By: JGH
Collection Date: 03/17/2025 12:10

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1851	CSM
Surrogate: Dibromofluoromethane	92.2	Limit: 57-134	% Rec	1		03/21/25 0000	03/21/25 1851	CSM
Surrogate: Dibromofluoromethane	92.2	Limit: 75-136	% Rec	1		03/21/25 0000	03/21/25 1851	CSM
Surrogate: 1,2-Dichloroethane-d4	93.1	Limit: 53-140	% Rec	1		03/21/25 0000	03/21/25 1851	CSM
Surrogate: 1,2-Dichloroethane-d4	93.1	Limit: 61-142	% Rec	1		03/21/25 0000	03/21/25 1851	CSM
Surrogate: Toluene-d8	99.5	Limit: 86-114	% Rec	1		03/21/25 0000	03/21/25 1851	CSM
Surrogate: Toluene-d8	99.5	Limit: 82-121	% Rec	1		03/21/25 0000	03/21/25 1851	CSM
Surrogate: 4-Bromofluorobenzene	92.0	Limit: 78-121	% Rec	1		03/21/25 0000	03/21/25 1851	CSM
Surrogate: 4-Bromofluorobenzene	92.0	Limit: 80-116	% Rec	1		03/21/25 0000	03/21/25 1851	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2123	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2123	RVV
Barium, total	0.136	0.0040	mg/L	4		03/31/25 1022	04/04/25 2123	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2123	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/31/25 1022	04/04/25 2123	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/31/25 1022	04/04/25 2123	RVV
Cobalt, total	<0.0004	0.0004	mg/L	4		03/31/25 1022	04/04/25 2123	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2123	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2123	RVV
Nickel, total	0.0156	0.0040	mg/L	4		03/31/25 1022	04/04/25 2123	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2123	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2123	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2123	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2123	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2123	RVV

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CERTIFICATE OF ANALYSIS

1IC1317

Client Sample ID: MW-24
Sample Matrix: Aqueous
Lab Sample ID: 1IC1317-08

Collected By: JGH
Collection Date: 03/17/2025 11:27

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Acetone	<10.0	10.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
cis-1,2-Dichloroethylene	2.7	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Chloroform	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Benzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Toluene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Styrene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Bromoform	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM

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CERTIFICATE OF ANALYSIS

11C1317

Client Sample ID: MW-24
Sample Matrix: Aqueous
Lab Sample ID: 11C1317-08

Collected By: JGH
Collection Date: 03/17/2025 11:27

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1913	CSM
Surrogate: Dibromofluoromethane	88.9	Limit: 75-136	% Rec	1		03/21/25 0000	03/21/25 1913	CSM
Surrogate: Dibromofluoromethane	88.9	Limit: 57-134	% Rec	1		03/21/25 0000	03/21/25 1913	CSM
Surrogate: 1,2-Dichloroethane-d4	85.9	Limit: 53-140	% Rec	1		03/21/25 0000	03/21/25 1913	CSM
Surrogate: 1,2-Dichloroethane-d4	85.9	Limit: 61-142	% Rec	1		03/21/25 0000	03/21/25 1913	CSM
Surrogate: Toluene-d8	101	Limit: 86-114	% Rec	1		03/21/25 0000	03/21/25 1913	CSM
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec	1		03/21/25 0000	03/21/25 1913	CSM
Surrogate: 4-Bromofluorobenzene	91.9	Limit: 80-116	% Rec	1		03/21/25 0000	03/21/25 1913	CSM
Surrogate: 4-Bromofluorobenzene	91.9	Limit: 78-121	% Rec	1		03/21/25 0000	03/21/25 1913	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2129	RVV
Arsenic, total	0.0847	0.0040	mg/L	4		03/31/25 1022	04/09/25 1654	KKJ
Barium, total	1.79	0.0040	mg/L	4		03/31/25 1022	04/09/25 1654	KKJ
Beryllium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2129	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/31/25 1022	04/04/25 2129	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/31/25 1022	04/04/25 2129	RVV
Cobalt, total	0.0007	0.0004	mg/L	4		03/31/25 1022	04/04/25 2129	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2129	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2129	RVV
Nickel, total	0.0054	0.0040	mg/L	4		03/31/25 1022	04/04/25 2129	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2129	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2129	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2129	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2129	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2129	RVV

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CERTIFICATE OF ANALYSIS

1IC1317

Client Sample ID: MW-25
Sample Matrix: Aqueous
Lab Sample ID: 1IC1317-09

Collected By: JGH
Collection Date: 03/17/2025 11:08

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Acetone	<10.0	10.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Chloroform	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Benzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Toluene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Styrene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Bromoform	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM

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CERTIFICATE OF ANALYSIS

1IC1317

Client Sample ID: MW-25
Sample Matrix: Aqueous
Lab Sample ID: 1IC1317-09

Collected By: JGH
Collection Date: 03/17/2025 11:08

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1936	CSM
Surrogate: Dibromofluoromethane	68.9	Limit: 75-136	% Rec	1	S2	03/21/25 0000	03/21/25 1936	CSM
Surrogate: Dibromofluoromethane	68.9	Limit: 57-134	% Rec	1		03/21/25 0000	03/21/25 1936	CSM
Surrogate: 1,2-Dichloroethane-d4	66.2	Limit: 53-140	% Rec	1		03/21/25 0000	03/21/25 1936	CSM
Surrogate: 1,2-Dichloroethane-d4	66.2	Limit: 61-142	% Rec	1		03/21/25 0000	03/21/25 1936	CSM
Surrogate: Toluene-d8	109	Limit: 82-121	% Rec	1		03/21/25 0000	03/21/25 1936	CSM
Surrogate: Toluene-d8	109	Limit: 86-114	% Rec	1		03/21/25 0000	03/21/25 1936	CSM
Surrogate: 4-Bromofluorobenzene	93.8	Limit: 78-121	% Rec	1		03/21/25 0000	03/21/25 1936	CSM
Surrogate: 4-Bromofluorobenzene	93.8	Limit: 80-116	% Rec	1		03/21/25 0000	03/21/25 1936	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2135	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2135	RVV
Barium, total	0.301	0.0040	mg/L	4		03/31/25 1022	04/04/25 2135	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2135	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/31/25 1022	04/04/25 2135	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/31/25 1022	04/04/25 2135	RVV
Cobalt, total	<0.0004	0.0004	mg/L	4		03/31/25 1022	04/04/25 2135	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2135	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2135	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2135	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2135	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2135	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2135	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2135	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2135	RVV

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CERTIFICATE OF ANALYSIS

1IC1317

Client Sample ID: Duplicate
Sample Matrix: Aqueous
Lab Sample ID: 1IC1317-10

Collected By: JGH
Collection Date: 03/17/2025 11:27

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Acetone	<10.0	10.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
cis-1,2-Dichloroethylene	2.2	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Chloroform	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Benzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Toluene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Styrene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Bromoform	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM

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CERTIFICATE OF ANALYSIS

11C1317

Client Sample ID: Duplicate
Sample Matrix: Aqueous
Lab Sample ID: 11C1317-10

Collected By: JGH
Collection Date: 03/17/2025 11:27

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 1958	CSM
Surrogate: Dibromofluoromethane	69.4	Limit: 57-134	% Rec	1		03/21/25 0000	03/21/25 1958	CSM
Surrogate: Dibromofluoromethane	69.4	Limit: 75-136	% Rec	1	S2	03/21/25 0000	03/21/25 1958	CSM
Surrogate: 1,2-Dichloroethane-d4	66.8	Limit: 53-140	% Rec	1		03/21/25 0000	03/21/25 1958	CSM
Surrogate: 1,2-Dichloroethane-d4	66.8	Limit: 61-142	% Rec	1		03/21/25 0000	03/21/25 1958	CSM
Surrogate: Toluene-d8	110	Limit: 86-114	% Rec	1		03/21/25 0000	03/21/25 1958	CSM
Surrogate: Toluene-d8	110	Limit: 82-121	% Rec	1		03/21/25 0000	03/21/25 1958	CSM
Surrogate: 4-Bromofluorobenzene	94.0	Limit: 78-121	% Rec	1		03/21/25 0000	03/21/25 1958	CSM
Surrogate: 4-Bromofluorobenzene	94.0	Limit: 80-116	% Rec	1		03/21/25 0000	03/21/25 1958	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2141	RVV
Arsenic, total	0.0862	0.0040	mg/L	4		03/31/25 1022	04/04/25 2141	RVV
Barium, total	1.77	0.0040	mg/L	4		03/31/25 1022	04/04/25 2141	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2141	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/31/25 1022	04/04/25 2141	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/31/25 1022	04/04/25 2141	RVV
Cobalt, total	0.0005	0.0004	mg/L	4		03/31/25 1022	04/04/25 2141	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2141	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2141	RVV
Nickel, total	0.0075	0.0040	mg/L	4		03/31/25 1022	04/09/25 1706	KKJ
Selenium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2141	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2141	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2141	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2141	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2141	RVV

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1317

Client Sample ID: MW-21
Sample Matrix: Aqueous
Lab Sample ID: 1IC1317-11

Collected By: JGH
Collection Date: 03/17/2025 13:30

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Dichlorodifluoromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Chloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Acetone	<10.0	10.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
1,1-Dichloroethane	2.7	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Chloroform	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Benzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Toluene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Styrene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM

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CERTIFICATE OF ANALYSIS

11C1317

Client Sample ID: MW-21
Sample Matrix: Aqueous
Lab Sample ID: 11C1317-11

Collected By: JGH
Collection Date: 03/17/2025 13:30

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Bromoform	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/21/25 0000	03/21/25 2021	CSM
Surrogate: Dibromofluoromethane	82.9	Limit: 75-136	% Rec	1		03/21/25 0000	03/21/25 2021	CSM
Surrogate: Dibromofluoromethane	82.9	Limit: 57-134	% Rec	1		03/21/25 0000	03/21/25 2021	CSM
Surrogate: 1,2-Dichloroethane-d4	79.3	Limit: 53-140	% Rec	1		03/21/25 0000	03/21/25 2021	CSM
Surrogate: 1,2-Dichloroethane-d4	79.3	Limit: 61-142	% Rec	1		03/21/25 0000	03/21/25 2021	CSM
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec	1		03/21/25 0000	03/21/25 2021	CSM
Surrogate: Toluene-d8	101	Limit: 86-114	% Rec	1		03/21/25 0000	03/21/25 2021	CSM
Surrogate: 4-Bromofluorobenzene	92.9	Limit: 80-116	% Rec	1		03/21/25 0000	03/21/25 2021	CSM
Surrogate: 4-Bromofluorobenzene	92.9	Limit: 78-121	% Rec	1		03/21/25 0000	03/21/25 2021	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2147	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2147	RVV
Barium, total	0.205	0.0040	mg/L	4		03/31/25 1022	04/04/25 2147	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2147	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/31/25 1022	04/04/25 2147	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/31/25 1022	04/04/25 2147	RVV
Cobalt, total	<0.0004	0.0004	mg/L	4		03/31/25 1022	04/04/25 2147	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2147	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2147	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2147	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2147	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2147	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/31/25 1022	04/04/25 2147	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/31/25 1022	04/04/25 2147	RVV
Zinc, total	0.0545	0.0200	mg/L	4		03/31/25 1022	04/04/25 2147	RVV

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CERTIFICATE OF ANALYSIS

1IC1317

Client Sample ID: Sump-1
Sample Matrix: Aqueous
Lab Sample ID: 1IC1317-12

Collected By: JGH
Collection Date: 03/17/2025 11:45

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Arsenic, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2153	RVV
Cobalt, total	0.0066	0.0004	mg/L	4		03/31/25 1022	04/04/25 2153	RVV
Nickel, total	0.0894	0.0040	mg/L	4		03/31/25 1022	04/04/25 2153	RVV

Client Sample ID: Sump-2
Sample Matrix: Aqueous
Lab Sample ID: 1IC1317-13

Collected By: JGH
Collection Date: 03/17/2025 11:49

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA RSK-175								
Methane	30.5	5.00	ug/L	1		03/26/25 1431	03/26/25 1740	KJB
Ethene	<5.00	5.00	ug/L	1	Q2	03/26/25 1431	03/26/25 1740	KJB
Ethane	<5.00	5.00	ug/L	1	Q2	03/26/25 1431	03/26/25 1740	KJB

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Arsenic, total	<0.0040	0.0040	mg/L	4		03/31/25 1022	04/04/25 2159	RVV
Cobalt, total	0.0007	0.0004	mg/L	4		03/31/25 1022	04/04/25 2159	RVV
Nickel, total	0.0160	0.0040	mg/L	4		03/31/25 1022	04/04/25 2159	RVV

Client Sample ID: Sump-3
Sample Matrix: Aqueous
Lab Sample ID: 1IC1317-14

Collected By: JGH
Collection Date: 03/17/2025 11:54

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Arsenic, total	0.0077	0.0040	mg/L	4		03/31/25 1022	04/04/25 2205	RVV
Cobalt, total	0.0070	0.0004	mg/L	4		03/31/25 1022	04/04/25 2205	RVV
Nickel, total	0.0188	0.0040	mg/L	4		03/31/25 1022	04/04/25 2205	RVV

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CERTIFICATE OF ANALYSIS

1IC1317

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IC1114	1IC1114-BS1	
		1IC1114-BSD1	
		1IC1114-BLK1	
		1IC1317-01	MW-11 (b)
		1IC1317-02	MW-20 (b)
		1IC1317-03	MW-5
		1IC1317-04	MW-6
		1IC1114-MS1	1IC1317-01
		1IC1114-MSD1	1IC1317-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IC1150	1IC1150-BS1	
		1IC1150-BSD1	
		1IC1150-BLK1	
		1IC1317-05	MW-7
		1IC1317-06	MW-8
		1IC1317-07	MW-23
		1IC1317-08	MW-24
		1IC1317-09	MW-25
		1IC1317-10	Duplicate
		1IC1317-11	MW-21
		1IC1150-MS1	1IC1317-07
		1IC1150-MSD1	1IC1317-07
Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IC1297	1IC1297-BLK1	
		1IC1297-BLK1	
		1IC1297-BLK1	
		1IC1297-BS1	
		1IC1297-BS1	
		1IC1297-BS1	
		1IC1317-01	MW-11 (b)
		1IC1317-01	MW-11 (b)
		1IC1317-01	MW-11 (b)
		1IC1297-MS1	1IC1317-01
		1IC1297-MS1	1IC1317-01
		1IC1297-MS1	1IC1317-01
		1IC1297-MSD1	1IC1317-01
		1IC1297-MSD1	1IC1317-01
		1IC1297-MSD1	1IC1317-01

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CERTIFICATE OF ANALYSIS

1IC1317

EPA 6020A

1IC1297	1IC1297-PS1	1IC1317-01
	1IC1297-PS1	1IC1317-01
	1IC1297-PS1	1IC1317-01
	1IC1317-02	MW-20 (b)
	1IC1317-02	MW-20 (b)
	1IC1317-02	MW-20 (b)
	1IC1317-03	MW-5
	1IC1317-03	MW-5
	1IC1317-03	MW-5
	1IC1317-04	MW-6
	1IC1317-04	MW-6
	1IC1317-04	MW-6
	1IC1317-05	MW-7
	1IC1317-05	MW-7
	1IC1317-05	MW-7
	1IC1317-06	MW-8
	1IC1317-06	MW-8
	1IC1317-06	MW-8
	1IC1317-07	MW-23
	1IC1317-07	MW-23
	1IC1317-07	MW-23
	1IC1317-08	MW-24
	1IC1317-08	MW-24
	1IC1317-08	MW-24
	1IC1317-09	MW-25
	1IC1317-09	MW-25
	1IC1317-09	MW-25
	1IC1317-10	Duplicate
	1IC1317-10	Duplicate
	1IC1317-10	Duplicate
	1IC1317-11	MW-21
	1IC1317-11	MW-21
	1IC1317-11	MW-21
	1IC1317-12	Sump-1
	1IC1317-12	Sump-1
	1IC1317-13	Sump-2
	1IC1317-13	Sump-2
	1IC1317-14	Sump-3
	1IC1317-14	Sump-3
	1IC1317-08RE1	MW-24
	1IC1317-08RE1	MW-24
	1IC1317-10RE1	Duplicate

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CERTIFICATE OF ANALYSIS

1IC1317

Method	Batch	Laboratory ID	Client / Source ID
EPA RSK-175	B5C1521	B5C1521-BLK1	
		B5C1521-BS1	
		B5C1521-BSD1	
		1IC1317-13	Sump-2
		1IC1317-06	MW-8

Method	Batch	Laboratory ID	Client / Source ID
EPA RSK-175	B5D1276	B5D1276-BLK1	
		B5D1276-BS1	
		B5D1276-BSD1	
		1IC1317-06RE1	MW-8

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 1IC1114 - EPA 5030B - EPA 8260D										

Blank (1IC1114-BLK1)				Prepared: 03/20/25 00:00 Analyzed: 03/21/25 01:15						
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
Acrylonitrile	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1317

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1114 - EPA 5030B - EPA 8260D										
Blank (1IC1114-BLK1)				Prepared: 03/20/25 00:00 Analyzed: 03/21/25 01:15						
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	1.03	1.0	ug/L							B1
Xylenes, total	5.89	2.0	ug/L							B1
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							
Surrogate: Dibromofluoromethane	39.4		ug/L	50.2		78.5	57-134			
Surrogate: Dibromofluoromethane	39.4		ug/L	50.2		78.5	75-136			
Surrogate: 1,2-Dichloroethane-d4	37.8		ug/L	50.1		75.4	53-140			
Surrogate: 1,2-Dichloroethane-d4	37.8		ug/L	50.1		75.4	61-142			
Surrogate: Toluene-d8	52.6		ug/L	50.4		104	86-114			
Surrogate: Toluene-d8	52.6		ug/L	50.4		104	82-121			
Surrogate: 4-Bromofluorobenzene	51.4		ug/L	50.1		103	78-121			
Surrogate: 4-Bromofluorobenzene	51.4		ug/L	50.1		103	80-116			
LCS (1IC1114-BS1)				Prepared: 03/20/25 00:00 Analyzed: 03/21/25 00:08						
Chloromethane	26.48	1.0	ug/L	30.3		87.3	63-155			
Vinyl Chloride	28.31	1.0	ug/L	30.2		93.6	70-154			
Bromomethane	26.25	1.0	ug/L	30.1		87.1	52-176			
Chloroethane	27.99	1.0	ug/L	30.3		92.3	72-148			
Trichlorofluoromethane	31.65	1.0	ug/L	30.3		104	70-152			
1,1-Dichloroethylene	54.63	1.0	ug/L	50.1		109	70-148			
Acetone	130.5	10.0	ug/L	100		131	43-172			
Methyl Iodide	93.28	1.0	ug/L	100		93.3	69-170			
Carbon Disulfide	92.92	1.0	ug/L	100		92.9	72-162			
Methylene Chloride	46.84	5.0	ug/L	50.1		93.5	68-142			
Acrylonitrile	60.04	5.0	ug/L	50.2		120	56-135			
trans-1,2-Dichloroethylene	54.51	1.0	ug/L	50.1		109	66-148			
1,1-Dichloroethane	54.79	1.0	ug/L	50.1		109	66-143			
Vinyl Acetate	174.0	5.0	ug/L	140		124	43-153			

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CERTIFICATE OF ANALYSIS

1IC1317

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1114 - EPA 5030B - EPA 8260D										
LCS (1IC1114-BS1)										
Prepared: 03/20/25 00:00 Analyzed: 03/21/25 00:08										
cis-1,2-Dichloroethylene	55.50	1.0	ug/L	50.4		110	71-149			
2-Butanone (MEK)	110.4	10.0	ug/L	100		110	52-159			
Bromochloromethane	55.06	1.0	ug/L	50.4		109	69-143			
Chloroform	55.37	1.0	ug/L	50.1		111	69-144			
1,1,1-Trichloroethane	54.48	1.0	ug/L	50.1		109	62-129			
Carbon Tetrachloride	52.67	1.0	ug/L	50.1		105	63-141			
Benzene	49.95	1.0	ug/L	50.4		99.0	71-134			
1,2-Dichloroethane	59.78	1.0	ug/L	50.1		119	72-132			
Trichloroethylene	51.70	1.0	ug/L	50.1		103	71-135			
1,2-Dichloropropane	54.72	1.0	ug/L	50.1		109	69-136			
Dibromomethane	59.10	1.0	ug/L	50.4		117	73-147			
Bromodichloromethane	57.78	1.0	ug/L	50.1		115	68-129			
cis-1,3-Dichloropropene	57.27	1.0	ug/L	50.1		114	65-134			
4-Methyl-2-pentanone (MIBK)	123.9	5.0	ug/L	100		124	58-147			
Toluene	52.89	1.0	ug/L	50.5		105	72-133			
trans-1,3-Dichloropropene	55.76	1.0	ug/L	50.1		111	67-130			
1,1,2-Trichloroethane	55.56	1.0	ug/L	50.1		111	69-135			
Tetrachloroethylene	48.19	1.0	ug/L	50.1		96.2	69-130			
2-Hexanone (MBK)	125.7	5.0	ug/L	100		126	55-144			
Dibromochloromethane	56.14	1.0	ug/L	50.1		112	73-127			
1,2-Dibromoethane	58.21	1.0	ug/L	50.2		116	67-132			
Chlorobenzene	49.80	1.0	ug/L	50.1		99.4	72-123			
1,1,1,2-Tetrachloroethane	51.70	1.0	ug/L	50.3		103	73-127			
Ethylbenzene	53.92	1.0	ug/L	50.2		107	71-127			
Xylenes, total	168.0	2.0	ug/L	151		111	74-127			
Styrene	54.47	1.0	ug/L	50.4		108	66-126			
Bromoform	58.05	1.0	ug/L	50.1		116	68-130			
1,2,3-Trichloropropane	52.07	1.0	ug/L	50.3		103	63-136			
trans-1,4-Dichloro-2-butene	106.7	5.0	ug/L	100		107	54-134			
1,1,2,2-Tetrachloroethane	52.49	1.0	ug/L	50.1		105	61-131			
1,4-Dichlorobenzene	48.14	1.0	ug/L	50.1		96.0	70-129			
1,2-Dichlorobenzene	52.02	1.0	ug/L	50.1		104	69-126			
1,2-Dibromo-3-chloropropane	63.34	5.0	ug/L	50.1		126	50-143			
Surrogate: Dibromofluoromethane	53.6		ug/L	50.2		107	57-134			
Surrogate: Dibromofluoromethane	53.6		ug/L	50.2		107	75-136			
Surrogate: 1,2-Dichloroethane-d4	55.5		ug/L	50.1		111	53-140			
Surrogate: 1,2-Dichloroethane-d4	55.5		ug/L	50.1		111	61-142			
Surrogate: Toluene-d8	49.5		ug/L	50.4		98.2	86-114			
Surrogate: Toluene-d8	49.5		ug/L	50.4		98.2	82-121			
Surrogate: 4-Bromofluorobenzene	51.7		ug/L	50.1		103	78-121			
Surrogate: 4-Bromofluorobenzene	51.7		ug/L	50.1		103	80-116			
LCS Dup (1IC1114-BS1)										
Prepared: 03/20/25 00:00 Analyzed: 03/21/25 00:30										
Chloromethane	23.44	1.0	ug/L	30.3		77.3	63-155	12.2	24	

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CERTIFICATE OF ANALYSIS

1IC1317

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1114 - EPA 5030B - EPA 8260D										
LCS Dup (1IC1114-BSD1)				Prepared: 03/20/25 00:00 Analyzed: 03/21/25 00:30						
Vinyl Chloride	25.44	1.0	ug/L	30.2		84.1	70-154	10.7	25	
Bromomethane	25.20	1.0	ug/L	30.1		83.7	52-176	4.08	27	
Chloroethane	25.77	1.0	ug/L	30.3		85.0	72-148	8.26	25	
Trichlorofluoromethane	29.00	1.0	ug/L	30.3		95.7	70-152	8.74	26	
1,1-Dichloroethylene	51.05	1.0	ug/L	50.1		102	70-148	6.78	24	
Acetone	131.0	10.0	ug/L	100		131	43-172	0.382	30	
Methyl Iodide	85.49	1.0	ug/L	100		85.5	69-170	8.72	30	
Carbon Disulfide	86.03	1.0	ug/L	100		86.0	72-162	7.70	24	
Methylene Chloride	44.21	5.0	ug/L	50.1		88.2	68-142	5.78	21	
Acrylonitrile	57.02	5.0	ug/L	50.2		114	56-135	5.16	16	
trans-1,2-Dichloroethylene	51.98	1.0	ug/L	50.1		104	66-148	4.75	27	
1,1-Dichloroethane	52.46	1.0	ug/L	50.1		105	66-143	4.34	24	
Vinyl Acetate	167.6	5.0	ug/L	140		120	43-153	3.74	30	
cis-1,2-Dichloroethylene	54.24	1.0	ug/L	50.4		108	71-149	2.30	26	
2-Butanone (MEK)	113.2	10.0	ug/L	100		113	52-159	2.51	27	
Bromochloromethane	53.02	1.0	ug/L	50.4		105	69-143	3.77	23	
Chloroform	53.03	1.0	ug/L	50.1		106	69-144	4.32	23	
1,1,1-Trichloroethane	50.60	1.0	ug/L	50.1		101	62-129	7.38	24	
Carbon Tetrachloride	49.07	1.0	ug/L	50.1		98.0	63-141	7.08	25	
Benzene	45.04	1.0	ug/L	50.4		89.3	71-134	10.3	24	
1,2-Dichloroethane	55.99	1.0	ug/L	50.1		112	72-132	6.55	24	
Trichloroethylene	47.11	1.0	ug/L	50.1		94.0	71-135	9.29	24	
1,2-Dichloropropane	50.04	1.0	ug/L	50.1		99.9	69-136	8.93	24	
Dibromomethane	55.65	1.0	ug/L	50.4		110	73-147	6.01	25	
Bromodichloromethane	54.13	1.0	ug/L	50.1		108	68-129	6.52	22	
cis-1,3-Dichloropropene	52.51	1.0	ug/L	50.1		105	65-134	8.67	23	
4-Methyl-2-pentanone (MIBK)	116.0	5.0	ug/L	100		116	58-147	6.57	27	
Toluene	47.18	1.0	ug/L	50.5		93.5	72-133	11.4	24	
trans-1,3-Dichloropropene	51.78	1.0	ug/L	50.1		103	67-130	7.40	24	
1,1,2-Trichloroethane	50.54	1.0	ug/L	50.1		101	69-135	9.46	23	
Tetrachloroethylene	43.94	1.0	ug/L	50.1		87.7	69-130	9.23	25	
2-Hexanone (MBK)	120.5	5.0	ug/L	100		120	55-144	4.28	25	
Dibromochloromethane	55.80	1.0	ug/L	50.1		111	73-127	0.607	22	
1,2-Dibromoethane	56.28	1.0	ug/L	50.2		112	67-132	3.37	24	
Chlorobenzene	46.49	1.0	ug/L	50.1		92.8	72-123	6.88	23	
1,1,1,2-Tetrachloroethane	50.03	1.0	ug/L	50.3		99.4	73-127	3.28	24	
Ethylbenzene	49.32	1.0	ug/L	50.2		98.3	71-127	8.91	26	
Xylenes, total	154.8	2.0	ug/L	151		102	74-127	8.14	25	
Styrene	50.91	1.0	ug/L	50.4		101	66-126	6.76	23	
Bromoform	53.73	1.0	ug/L	50.1		107	68-130	7.73	23	
1,2,3-Trichloropropane	52.66	1.0	ug/L	50.3		105	63-136	1.13	24	
trans-1,4-Dichloro-2-butene	102.1	5.0	ug/L	100		102	54-134	4.35	27	
1,1,2,2-Tetrachloroethane	51.30	1.0	ug/L	50.1		102	61-131	2.29	29	

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CERTIFICATE OF ANALYSIS

1IC1317

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1114 - EPA 5030B - EPA 8260D										
LCS Dup (1IC1114-BSD1)				Prepared: 03/20/25 00:00 Analyzed: 03/21/25 00:30						
1,4-Dichlorobenzene	46.48	1.0	ug/L	50.1		92.7	70-129	3.51	24	
1,2-Dichlorobenzene	49.48	1.0	ug/L	50.1		98.8	69-126	5.00	26	
1,2-Dibromo-3-chloropropane	58.43	5.0	ug/L	50.1		117	50-143	8.06	30	
Surrogate: Dibromofluoromethane	56.0		ug/L	50.2		112	57-134			
Surrogate: Dibromofluoromethane	56.0		ug/L	50.2		112	75-136			
Surrogate: 1,2-Dichloroethane-d4	59.0		ug/L	50.1		118	53-140			
Surrogate: 1,2-Dichloroethane-d4	59.0		ug/L	50.1		118	61-142			
Surrogate: Toluene-d8	48.0		ug/L	50.4		95.2	86-114			
Surrogate: Toluene-d8	48.0		ug/L	50.4		95.2	82-121			
Surrogate: 4-Bromofluorobenzene	53.1		ug/L	50.1		106	78-121			
Surrogate: 4-Bromofluorobenzene	53.1		ug/L	50.1		106	80-116			
Matrix Spike (1IC1114-MS1)				Source: 1IC1317-01	Prepared: 03/20/25 00:00 Analyzed: 03/21/25 07:35					
Chloromethane	273.7	10.0	ug/L	303	ND	90.3	61-152			
Vinyl Chloride	287.1	10.0	ug/L	302	ND	94.9	66-149			
Bromomethane	259.3	10.0	ug/L	301	ND	86.1	43-171			
Chloroethane	282.6	10.0	ug/L	303	ND	93.2	69-148			
Trichlorofluoromethane	281.0	10.0	ug/L	303	ND	92.7	62-163			
1,1-Dichloroethylene	473.2	10.0	ug/L	501	ND	94.4	70-148			
Acetone	1002	100	ug/L	1000	ND	100	45-173			
Methyl Iodide	863.5	10.0	ug/L	1000	ND	86.4	62-167			
Carbon Disulfide	883.8	10.0	ug/L	1000	ND	88.4	71-163			
Methylene Chloride	428.6	50.0	ug/L	501	ND	85.5	69-140			
Acrylonitrile	462.9	50.0	ug/L	502	ND	92.2	38-147			
trans-1,2-Dichloroethylene	464.2	10.0	ug/L	501	ND	92.7	69-144			
1,1-Dichloroethane	459.6	10.0	ug/L	501	ND	91.7	70-138			
Vinyl Acetate	1395	50.0	ug/L	1400	ND	99.7	58-142			
cis-1,2-Dichloroethylene	452.0	10.0	ug/L	504	ND	89.8	68-151			
2-Butanone (MEK)	823.4	100	ug/L	1000	ND	82.3	50-160			
Bromochloromethane	466.1	10.0	ug/L	504	ND	92.5	65-143			
Chloroform	451.9	10.0	ug/L	501	ND	90.2	71-143			
1,1,1-Trichloroethane	472.1	10.0	ug/L	501	ND	94.2	63-133			
Carbon Tetrachloride	461.4	10.0	ug/L	501	ND	92.1	63-142			
Benzene	457.5	10.0	ug/L	504	ND	90.7	69-133			
1,2-Dichloroethane	477.6	10.0	ug/L	501	ND	95.4	63-138			
Trichloroethylene	460.8	10.0	ug/L	501	ND	92.0	71-133			
1,2-Dichloropropane	459.7	10.0	ug/L	501	ND	91.8	69-132			
Dibromomethane	474.7	10.0	ug/L	504	ND	94.2	70-147			
Bromodichloromethane	475.1	10.0	ug/L	501	ND	94.9	67-130			
cis-1,3-Dichloropropene	454.2	10.0	ug/L	501	ND	90.7	61-126			
4-Methyl-2-pentanone (MIBK)	1029	50.0	ug/L	1000	ND	103	55-147			
Toluene	506.9	10.0	ug/L	505	ND	100	71-133			
trans-1,3-Dichloropropene	430.0	10.0	ug/L	501	ND	85.9	63-124			
1,1,2-Trichloroethane	451.6	10.0	ug/L	501	ND	90.2	69-133			

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CERTIFICATE OF ANALYSIS

1IC1317

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1114 - EPA 5030B - EPA 8260D										
Matrix Spike (1IC1114-MS1)	Source: 1IC1317-01			Prepared: 03/20/25 00:00 Analyzed: 03/21/25 07:35						
Tetrachloroethylene	459.9	10.0	ug/L	501	ND	91.8	70-124			
2-Hexanone (MBK)	1060	50.0	ug/L	1000	ND	106	53-141			
Dibromochloromethane	483.9	10.0	ug/L	501	ND	96.6	74-122			
1,2-Dibromoethane	479.5	10.0	ug/L	502	ND	95.5	66-127			
Chlorobenzene	459.8	10.0	ug/L	501	ND	91.8	76-116			
1,1,1,2-Tetrachloroethane	442.3	10.0	ug/L	503	ND	87.9	77-121			
Ethylbenzene	503.1	10.0	ug/L	502	ND	100	73-124			
Xylenes, total	1535	20.0	ug/L	1510	ND	102	75-123			
Styrene	518.8	10.0	ug/L	504	ND	103	70-120			
Bromoform	478.6	10.0	ug/L	501	ND	95.5	70-124			
1,2,3-Trichloropropane	456.8	10.0	ug/L	503	ND	90.7	62-135			
trans-1,4-Dichloro-2-butene	858.7	50.0	ug/L	1000	ND	85.9	50-120			
1,1,2,2-Tetrachloroethane	450.9	10.0	ug/L	501	ND	90.0	63-126			
1,4-Dichlorobenzene	446.6	10.0	ug/L	501	ND	89.1	72-119			
1,2-Dichlorobenzene	475.3	10.0	ug/L	501	ND	94.9	71-117			
1,2-Dibromo-3-chloropropane	486.8	50.0	ug/L	501	ND	97.1	49-134			
Surrogate: Dibromofluoromethane	464		ug/L	502		92.5	57-134			
Surrogate: Dibromofluoromethane	464		ug/L	502		92.5	75-136			
Surrogate: 1,2-Dichloroethane-d4	473		ug/L	501		94.4	53-140			
Surrogate: 1,2-Dichloroethane-d4	473		ug/L	501		94.4	61-142			
Surrogate: Toluene-d8	509		ug/L	504		101	86-114			
Surrogate: Toluene-d8	509		ug/L	504		101	82-121			
Surrogate: 4-Bromofluorobenzene	516		ug/L	501		103	78-121			
Surrogate: 4-Bromofluorobenzene	516		ug/L	501		103	80-116			
Matrix Spike Dup (1IC1114-MSD1)	Source: 1IC1317-01			Prepared: 03/20/25 00:00 Analyzed: 03/21/25 07:57						
Chloromethane	275.7	10.0	ug/L	303	ND	90.9	61-152	0.728	26	
Vinyl Chloride	286.0	10.0	ug/L	302	ND	94.5	66-149	0.384	23	
Bromomethane	267.9	10.0	ug/L	301	ND	88.9	43-171	3.26	29	
Chloroethane	284.7	10.0	ug/L	303	ND	93.9	69-148	0.740	25	
Trichlorofluoromethane	288.3	10.0	ug/L	303	ND	95.1	62-163	2.56	25	
1,1-Dichloroethylene	487.6	10.0	ug/L	501	ND	97.3	70-148	3.00	22	
Acetone	1062	100	ug/L	1000	ND	106	45-173	5.81	30	
Methyl Iodide	884.4	10.0	ug/L	1000	ND	88.4	62-167	2.39	24	
Carbon Disulfide	914.7	10.0	ug/L	1000	ND	91.5	71-163	3.44	22	
Methylene Chloride	435.2	50.0	ug/L	501	ND	86.9	69-140	1.53	19	
Acrylonitrile	484.2	50.0	ug/L	502	ND	96.5	38-147	4.50	30	
trans-1,2-Dichloroethylene	481.5	10.0	ug/L	501	ND	96.1	69-144	3.66	22	
1,1-Dichloroethane	486.9	10.0	ug/L	501	ND	97.2	70-138	5.77	20	
Vinyl Acetate	1498	50.0	ug/L	1400	ND	107	58-142	7.13	24	
cis-1,2-Dichloroethylene	474.4	10.0	ug/L	504	ND	94.2	68-151	4.84	22	
2-Butanone (MEK)	952.9	100	ug/L	1000	ND	95.3	50-160	14.6	23	
Bromochloromethane	493.5	10.0	ug/L	504	ND	97.9	65-143	5.71	22	
Chloroform	473.3	10.0	ug/L	501	ND	94.5	71-143	4.63	21	

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CERTIFICATE OF ANALYSIS

1IC1317

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1114 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IC1114-MSD1)	Source: 1IC1317-01			Prepared: 03/20/25 00:00 Analyzed: 03/21/25 07:57						
1,1,1-Trichloroethane	488.5	10.0	ug/L	501	ND	97.5	63-133	3.41	23	
Carbon Tetrachloride	471.4	10.0	ug/L	501	ND	94.1	63-142	2.14	22	
Benzene	470.9	10.0	ug/L	504	ND	93.4	69-133	2.89	18	
1,2-Dichloroethane	508.0	10.0	ug/L	501	ND	101	63-138	6.17	20	
Trichloroethylene	472.2	10.0	ug/L	501	ND	94.3	71-133	2.44	23	
1,2-Dichloropropane	489.7	10.0	ug/L	501	ND	97.8	69-132	6.32	20	
Dibromomethane	517.0	10.0	ug/L	504	ND	103	70-147	8.53	22	
Bromodichloromethane	514.5	10.0	ug/L	501	ND	103	67-130	7.96	21	
cis-1,3-Dichloropropene	478.7	10.0	ug/L	501	ND	95.6	61-126	5.25	21	
4-Methyl-2-pentanone (MIBK)	1076	50.0	ug/L	1000	ND	108	55-147	4.39	23	
Toluene	520.0	10.0	ug/L	505	ND	103	71-133	2.55	19	
trans-1,3-Dichloropropene	474.2	10.0	ug/L	501	ND	94.7	63-124	9.78	21	
1,1,2-Trichloroethane	486.9	10.0	ug/L	501	ND	97.2	69-133	7.52	19	
Tetrachloroethylene	462.1	10.0	ug/L	501	ND	92.2	70-124	0.477	24	
2-Hexanone (MBK)	1113	50.0	ug/L	1000	ND	111	53-141	4.85	24	
Dibromochloromethane	497.6	10.0	ug/L	501	ND	99.4	74-122	2.79	21	
1,2-Dibromoethane	506.0	10.0	ug/L	502	ND	101	66-127	5.38	23	
Chlorobenzene	474.4	10.0	ug/L	501	ND	94.7	76-116	3.13	21	
1,1,1,2-Tetrachloroethane	468.2	10.0	ug/L	503	ND	93.0	77-121	5.69	25	
Ethylbenzene	512.0	10.0	ug/L	502	ND	102	73-124	1.75	20	
Xylenes, total	1560	20.0	ug/L	1510	ND	103	75-123	1.61	20	
Styrene	527.2	10.0	ug/L	504	ND	105	70-120	1.61	23	
Bromoform	507.0	10.0	ug/L	501	ND	101	70-124	5.76	22	
1,2,3-Trichloropropane	476.4	10.0	ug/L	503	ND	94.6	62-135	4.20	28	
trans-1,4-Dichloro-2-butene	941.6	50.0	ug/L	1000	ND	94.2	50-120	9.21	26	
1,1,2,2-Tetrachloroethane	488.5	10.0	ug/L	501	ND	97.5	63-126	8.01	24	
1,4-Dichlorobenzene	468.1	10.0	ug/L	501	ND	93.4	72-119	4.70	24	
1,2-Dichlorobenzene	503.1	10.0	ug/L	501	ND	100	71-117	5.68	24	
1,2-Dibromo-3-chloropropane	544.9	50.0	ug/L	501	ND	109	49-134	11.3	28	
Surrogate: Dibromofluoromethane	467		ug/L	502		93.1	57-134			
Surrogate: Dibromofluoromethane	467		ug/L	502		93.1	75-136			
Surrogate: 1,2-Dichloroethane-d4	474		ug/L	501		94.6	53-140			
Surrogate: 1,2-Dichloroethane-d4	474		ug/L	501		94.6	61-142			
Surrogate: Toluene-d8	500		ug/L	504		99.3	86-114			
Surrogate: Toluene-d8	500		ug/L	504		99.3	82-121			
Surrogate: 4-Bromofluorobenzene	508		ug/L	501		101	78-121			
Surrogate: 4-Bromofluorobenzene	508		ug/L	501		101	80-116			

Batch 1IC1150 - EPA 5030B - EPA 8260D

Blank (1IC1150-BLK1)	Prepared: 03/21/25 00:00 Analyzed: 03/21/25 12:36									
Dichlorodifluoromethane	<1.0	1.0	ug/L							
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							

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CERTIFICATE OF ANALYSIS

1IC1317

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1150 - EPA 5030B - EPA 8260D										
Blank (1IC1150-BLK1)				Prepared: 03/21/25 00:00 Analyzed: 03/21/25 12:36						
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							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							

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CERTIFICATE OF ANALYSIS

1IC1317

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1150 - EPA 5030B - EPA 8260D										
Blank (1IC1150-BLK1)				Prepared: 03/21/25 00:00 Analyzed: 03/21/25 12:36						
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							
Surrogate: Dibromofluoromethane	38.8		ug/L	50.2		77.4	57-134			
Surrogate: Dibromofluoromethane	38.8		ug/L	50.2		77.4	75-136			
Surrogate: 1,2-Dichloroethane-d4	36.7		ug/L	50.1		73.3	53-140			
Surrogate: 1,2-Dichloroethane-d4	36.7		ug/L	50.1		73.3	61-142			
Surrogate: Toluene-d8	52.5		ug/L	50.4		104	86-114			
Surrogate: Toluene-d8	52.5		ug/L	50.4		104	82-121			
Surrogate: 4-Bromofluorobenzene	50.3		ug/L	50.1		100	78-121			
Surrogate: 4-Bromofluorobenzene	50.3		ug/L	50.1		100	80-116			
LCS (1IC1150-BS1)				Prepared: 03/21/25 00:00 Analyzed: 03/21/25 11:29						
Dichlorodifluoromethane	27.23	1.0	ug/L	30.3		89.9	49-138			
Chloromethane	24.89	1.0	ug/L	30.3		82.1	63-155			
Vinyl Chloride	26.38	1.0	ug/L	30.2		87.2	70-154			
Bromomethane	24.82	1.0	ug/L	30.1		82.4	52-176			
Chloroethane	26.04	1.0	ug/L	30.3		85.9	72-148			
Trichlorofluoromethane	29.43	1.0	ug/L	30.3		97.1	70-152			
1,1-Dichloroethylene	51.72	1.0	ug/L	50.1		103	70-148			
Acetone	118.7	10.0	ug/L	100		119	43-172			
Methyl Iodide	84.45	1.0	ug/L	100		84.4	69-170			
Carbon Disulfide	89.20	1.0	ug/L	100		89.2	72-162			
Methylene Chloride	40.81	5.0	ug/L	50.1		81.4	68-142			
Acrylonitrile	51.42	5.0	ug/L	50.2		102	56-135			
trans-1,2-Dichloroethylene	52.67	1.0	ug/L	50.1		105	66-148			
1,1-Dichloroethane	51.60	1.0	ug/L	50.1		103	66-143			
Vinyl Acetate	156.8	5.0	ug/L	140		112	43-153			
cis-1,2-Dichloroethylene	52.83	1.0	ug/L	50.4		105	71-149			
2-Butanone (MEK)	106.3	10.0	ug/L	100		106	52-159			
Bromochloromethane	49.76	1.0	ug/L	50.4		98.7	69-143			
Chloroform	51.53	1.0	ug/L	50.1		103	69-144			
1,1,1-Trichloroethane	51.16	1.0	ug/L	50.1		102	62-129			
Carbon Tetrachloride	49.60	1.0	ug/L	50.1		99.0	63-141			
Benzene	45.41	1.0	ug/L	50.4		90.0	71-134			
1,2-Dichloroethane	51.21	1.0	ug/L	50.1		102	72-132			
Trichloroethylene	48.42	1.0	ug/L	50.1		96.7	71-135			
1,2-Dichloropropane	48.01	1.0	ug/L	50.1		95.8	69-136			
Dibromomethane	51.08	1.0	ug/L	50.4		101	73-147			
Bromodichloromethane	50.69	1.0	ug/L	50.1		101	68-129			
cis-1,3-Dichloropropene	49.16	1.0	ug/L	50.1		98.2	65-134			
4-Methyl-2-pentanone (MIBK)	94.10	5.0	ug/L	100		94.1	58-147			
Toluene	47.65	1.0	ug/L	50.5		94.4	72-133			
trans-1,3-Dichloropropene	45.20	1.0	ug/L	50.1		90.3	67-130			
1,1,2-Trichloroethane	44.69	1.0	ug/L	50.1		89.2	69-135			

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CERTIFICATE OF ANALYSIS

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1150 - EPA 5030B - EPA 8260D										
LCS (1IC1150-BS1)										
Prepared: 03/21/25 00:00 Analyzed: 03/21/25 11:29										
Tetrachloroethylene	47.98	1.0	ug/L	50.1		95.8	69-130			
2-Hexanone (MBK)	101.2	5.0	ug/L	100		101	55-144			
Dibromochloromethane	50.53	1.0	ug/L	50.1		101	73-127			
1,2-Dibromoethane	51.44	1.0	ug/L	50.2		102	67-132			
Chlorobenzene	45.65	1.0	ug/L	50.1		91.1	72-123			
1,1,1,2-Tetrachloroethane	46.42	1.0	ug/L	50.3		92.2	73-127			
Ethylbenzene	50.24	1.0	ug/L	50.2		100	71-127			
Xylenes, total	150.3	2.0	ug/L	151		99.5	74-127			
Styrene	48.78	1.0	ug/L	50.4		96.8	66-126			
Bromoform	45.95	1.0	ug/L	50.1		91.7	68-130			
1,2,3-Trichloropropane	38.90	1.0	ug/L	50.3		77.3	63-136			
trans-1,4-Dichloro-2-butene	89.89	5.0	ug/L	100		89.9	54-134			
1,1,2,2-Tetrachloroethane	47.00	1.0	ug/L	50.1		93.8	61-131			
1,4-Dichlorobenzene	45.35	1.0	ug/L	50.1		90.5	70-129			
1,2-Dichlorobenzene	45.40	1.0	ug/L	50.1		90.6	69-126			
1,2-Dibromo-3-chloropropane	38.79	5.0	ug/L	50.1		77.4	50-143			
Surrogate: Dibromofluoromethane	51.6		ug/L	50.2		103	57-134			
Surrogate: Dibromofluoromethane	51.6		ug/L	50.2		103	75-136			
Surrogate: 1,2-Dichloroethane-d4	53.5		ug/L	50.1		107	53-140			
Surrogate: 1,2-Dichloroethane-d4	53.5		ug/L	50.1		107	61-142			
Surrogate: Toluene-d8	47.7		ug/L	50.4		94.7	86-114			
Surrogate: Toluene-d8	47.7		ug/L	50.4		94.7	82-121			
Surrogate: 4-Bromofluorobenzene	48.3		ug/L	50.1		96.3	78-121			
Surrogate: 4-Bromofluorobenzene	48.3		ug/L	50.1		96.3	80-116			
LCS Dup (1IC1150-BSD1)										
Prepared: 03/21/25 00:00 Analyzed: 03/21/25 11:51										
Dichlorodifluoromethane	29.41	1.0	ug/L	30.3		97.1	49-138	7.70	22	
Chloromethane	27.75	1.0	ug/L	30.3		91.5	63-155	10.9	24	
Vinyl Chloride	28.59	1.0	ug/L	30.2		94.5	70-154	8.04	25	
Bromomethane	27.85	1.0	ug/L	30.1		92.5	52-176	11.5	27	
Chloroethane	28.82	1.0	ug/L	30.3		95.1	72-148	10.1	25	
Trichlorofluoromethane	28.76	1.0	ug/L	30.3		94.9	70-152	2.30	26	
1,1-Dichloroethylene	49.61	1.0	ug/L	50.1		99.0	70-148	4.16	24	
Acetone	109.8	10.0	ug/L	100		110	43-172	7.78	30	
Methyl Iodide	89.65	1.0	ug/L	100		89.6	69-170	5.97	30	
Carbon Disulfide	91.58	1.0	ug/L	100		91.6	72-162	2.63	24	
Methylene Chloride	44.75	5.0	ug/L	50.1		89.3	68-142	9.21	21	
Acrylonitrile	51.38	5.0	ug/L	50.2		102	56-135	0.0778	16	
trans-1,2-Dichloroethylene	49.71	1.0	ug/L	50.1		99.2	66-148	5.78	27	
1,1-Dichloroethane	50.06	1.0	ug/L	50.1		99.9	66-143	3.03	24	
Vinyl Acetate	152.8	5.0	ug/L	140		109	43-153	2.56	30	
cis-1,2-Dichloroethylene	50.52	1.0	ug/L	50.4		100	71-149	4.47	26	
2-Butanone (MEK)	99.14	10.0	ug/L	100		99.1	52-159	7.00	27	
Bromochloromethane	50.76	1.0	ug/L	50.4		101	69-143	1.99	23	

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CERTIFICATE OF ANALYSIS

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1150 - EPA 5030B - EPA 8260D										
LCS Dup (1IC1150-BSD1)				Prepared: 03/21/25 00:00 Analyzed: 03/21/25 11:51						
Chloroform	49.24	1.0	ug/L	50.1		98.3	69-144	4.54	23	
1,1,1-Trichloroethane	50.06	1.0	ug/L	50.1		99.9	62-129	2.17	24	
Carbon Tetrachloride	48.30	1.0	ug/L	50.1		96.4	63-141	2.66	25	
Benzene	47.08	1.0	ug/L	50.4		93.3	71-134	3.61	24	
1,2-Dichloroethane	53.23	1.0	ug/L	50.1		106	72-132	3.87	24	
Trichloroethylene	47.95	1.0	ug/L	50.1		95.7	71-135	0.975	24	
1,2-Dichloropropane	49.61	1.0	ug/L	50.1		99.0	69-136	3.28	24	
Dibromomethane	53.51	1.0	ug/L	50.4		106	73-147	4.65	25	
Bromodichloromethane	52.55	1.0	ug/L	50.1		105	68-129	3.60	22	
cis-1,3-Dichloropropene	51.95	1.0	ug/L	50.1		104	65-134	5.52	23	
4-Methyl-2-pentanone (MIBK)	113.9	5.0	ug/L	100		114	58-147	19.1	27	
Toluene	52.31	1.0	ug/L	50.5		104	72-133	9.32	24	
trans-1,3-Dichloropropene	50.97	1.0	ug/L	50.1		102	67-130	12.0	24	
1,1,2-Trichloroethane	49.67	1.0	ug/L	50.1		99.2	69-135	10.6	23	
Tetrachloroethylene	47.66	1.0	ug/L	50.1		95.1	69-130	0.669	25	
2-Hexanone (MBK)	119.0	5.0	ug/L	100		119	55-144	16.1	25	
Dibromochloromethane	51.83	1.0	ug/L	50.1		104	73-127	2.54	22	
1,2-Dibromoethane	52.60	1.0	ug/L	50.2		105	67-132	2.23	24	
Chlorobenzene	48.99	1.0	ug/L	50.1		97.8	72-123	7.06	23	
1,1,1,2-Tetrachloroethane	48.29	1.0	ug/L	50.3		95.9	73-127	3.95	24	
Ethylbenzene	52.65	1.0	ug/L	50.2		105	71-127	4.68	26	
Xylenes, total	159.8	2.0	ug/L	151		106	74-127	6.11	25	
Styrene	54.65	1.0	ug/L	50.4		108	66-126	11.4	23	
Bromoform	53.69	1.0	ug/L	50.1		107	68-130	15.5	23	
1,2,3-Trichloropropane	47.32	1.0	ug/L	50.3		94.0	63-136	19.5	24	
trans-1,4-Dichloro-2-butene	107.6	5.0	ug/L	100		108	54-134	18.0	27	
1,1,2,2-Tetrachloroethane	47.82	1.0	ug/L	50.1		95.4	61-131	1.73	29	
1,4-Dichlorobenzene	46.95	1.0	ug/L	50.1		93.7	70-129	3.47	24	
1,2-Dichlorobenzene	49.94	1.0	ug/L	50.1		99.7	69-126	9.52	26	
1,2-Dibromo-3-chloropropane	55.10	5.0	ug/L	50.1		110	50-143	34.7	30	R1
Surrogate: Dibromofluoromethane	47.6		ug/L	50.2		94.8	57-134			
Surrogate: Dibromofluoromethane	47.6		ug/L	50.2		94.8	75-136			
Surrogate: 1,2-Dichloroethane-d4	49.7		ug/L	50.1		99.3	53-140			
Surrogate: 1,2-Dichloroethane-d4	49.7		ug/L	50.1		99.3	61-142			
Surrogate: Toluene-d8	50.1		ug/L	50.4		99.5	86-114			
Surrogate: Toluene-d8	50.1		ug/L	50.4		99.5	82-121			
Surrogate: 4-Bromofluorobenzene	51.4		ug/L	50.1		103	78-121			
Surrogate: 4-Bromofluorobenzene	51.4		ug/L	50.1		103	80-116			
Matrix Spike (1IC1150-MS1)				Source: 1IC1317-07 Prepared: 03/21/25 00:00 Analyzed: 03/21/25 22:35						
Dichlorodifluoromethane	313.7	10.0	ug/L	303	ND	104	37-140			
Chloromethane	301.0	10.0	ug/L	303	ND	99.3	61-152			
Vinyl Chloride	310.0	10.0	ug/L	302	ND	102	66-149			
Bromomethane	284.7	10.0	ug/L	301	ND	94.5	43-171			

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CERTIFICATE OF ANALYSIS

1IC1317

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1150 - EPA 5030B - EPA 8260D										
Matrix Spike (1IC1150-MS1)	Source: 1IC1317-07			Prepared: 03/21/25 00:00 Analyzed: 03/21/25 22:35						
Chloroethane	306.3	10.0	ug/L	303	ND	101	69-148			
Trichlorofluoromethane	327.8	10.0	ug/L	303	ND	108	62-163			
1,1-Dichloroethylene	545.3	10.0	ug/L	501	ND	109	70-148			
Acetone	1213	100	ug/L	1000	ND	121	45-173			
Methyl Iodide	946.7	10.0	ug/L	1000	ND	94.7	62-167			
Carbon Disulfide	1006	10.0	ug/L	1000	ND	101	71-163			
Methylene Chloride	468.4	50.0	ug/L	501	ND	93.5	69-140			
Acrylonitrile	583.9	50.0	ug/L	502	ND	116	38-147			
trans-1,2-Dichloroethylene	544.6	10.0	ug/L	501	ND	109	69-144			
1,1-Dichloroethane	548.5	10.0	ug/L	501	ND	109	70-138			
Vinyl Acetate	1676	50.0	ug/L	1400	ND	120	58-142			
cis-1,2-Dichloroethylene	544.6	10.0	ug/L	504	ND	108	68-151			
2-Butanone (MEK)	1048	100	ug/L	1000	ND	105	50-160			
Bromochloromethane	564.8	10.0	ug/L	504	ND	112	65-143			
Chloroform	538.8	10.0	ug/L	501	ND	108	71-143			
1,1,1-Trichloroethane	542.1	10.0	ug/L	501	ND	108	63-133			
Carbon Tetrachloride	533.8	10.0	ug/L	501	ND	107	63-142			
Benzene	501.9	10.0	ug/L	504	ND	99.5	69-133			
1,2-Dichloroethane	556.3	10.0	ug/L	501	ND	111	63-138			
Trichloroethylene	500.7	10.0	ug/L	501	ND	100	71-133			
1,2-Dichloropropane	516.9	10.0	ug/L	501	ND	103	69-132			
Dibromomethane	548.1	10.0	ug/L	504	ND	109	70-147			
Bromodichloromethane	554.5	10.0	ug/L	501	ND	111	67-130			
cis-1,3-Dichloropropene	523.7	10.0	ug/L	501	ND	105	61-126			
4-Methyl-2-pentanone (MIBK)	1140	50.0	ug/L	1000	ND	114	55-147			
Toluene	536.5	10.0	ug/L	505	ND	106	71-133			
trans-1,3-Dichloropropene	513.4	10.0	ug/L	501	ND	103	63-124			
1,1,2-Trichloroethane	506.4	10.0	ug/L	501	ND	101	69-133			
Tetrachloroethylene	487.3	10.0	ug/L	501	ND	97.3	70-124			
2-Hexanone (MBK)	1161	50.0	ug/L	1000	ND	116	53-141			
Dibromochloromethane	537.7	10.0	ug/L	501	ND	107	74-122			
1,2-Dibromoethane	528.4	10.0	ug/L	502	ND	105	66-127			
Chlorobenzene	498.3	10.0	ug/L	501	ND	99.5	76-116			
1,1,1,2-Tetrachloroethane	502.0	10.0	ug/L	503	ND	99.7	77-121			
Ethylbenzene	524.4	10.0	ug/L	502	ND	105	73-124			
Xylenes, total	1593	20.0	ug/L	1510	ND	105	75-123			
Styrene	550.3	10.0	ug/L	504	ND	109	70-120			
Bromoform	556.1	10.0	ug/L	501	ND	111	70-124			
1,2,3-Trichloropropane	514.6	10.0	ug/L	503	ND	102	62-135			
trans-1,4-Dichloro-2-butene	1082	50.0	ug/L	1000	ND	108	50-120			
1,1,2,2-Tetrachloroethane	507.5	10.0	ug/L	501	ND	101	63-126			
1,4-Dichlorobenzene	481.8	10.0	ug/L	501	ND	96.1	72-119			
1,2-Dichlorobenzene	512.5	10.0	ug/L	501	ND	102	71-117			

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1IC1317

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1150 - EPA 5030B - EPA 8260D										
Matrix Spike (1IC1150-MS1)	Source: 1IC1317-07			Prepared: 03/21/25 00:00 Analyzed: 03/21/25 22:35						
1,2-Dibromo-3-chloropropane	565.5	50.0	ug/L	501	ND	113	49-134			
Surrogate: Dibromofluoromethane	522		ug/L	502		104	57-134			
Surrogate: Dibromofluoromethane	522		ug/L	502		104	75-136			
Surrogate: 1,2-Dichloroethane-d4	540		ug/L	501		108	53-140			
Surrogate: 1,2-Dichloroethane-d4	540		ug/L	501		108	61-142			
Surrogate: Toluene-d8	500		ug/L	504		99.2	86-114			
Surrogate: Toluene-d8	500		ug/L	504		99.2	82-121			
Surrogate: 4-Bromofluorobenzene	513		ug/L	501		102	78-121			
Surrogate: 4-Bromofluorobenzene	513		ug/L	501		102	80-116			
Matrix Spike Dup (1IC1150-MSD1)	Source: 1IC1317-07			Prepared: 03/21/25 00:00 Analyzed: 03/21/25 22:57						
Dichlorodifluoromethane	312.5	10.0	ug/L	303	ND	103	37-140	0.383	18	
Chloromethane	294.1	10.0	ug/L	303	ND	97.0	61-152	2.32	26	
Vinyl Chloride	299.4	10.0	ug/L	302	ND	99.0	66-149	3.48	23	
Bromomethane	287.2	10.0	ug/L	301	ND	95.3	43-171	0.874	29	
Chloroethane	289.6	10.0	ug/L	303	ND	95.5	69-148	5.60	25	
Trichlorofluoromethane	315.1	10.0	ug/L	303	ND	104	62-163	3.95	25	
1,1-Dichloroethylene	535.6	10.0	ug/L	501	ND	107	70-148	1.79	22	
Acetone	1256	100	ug/L	1000	ND	126	45-173	3.42	30	
Methyl Iodide	936.1	10.0	ug/L	1000	ND	93.6	62-167	1.13	24	
Carbon Disulfide	984.5	10.0	ug/L	1000	ND	98.4	71-163	2.14	22	
Methylene Chloride	473.7	50.0	ug/L	501	ND	94.5	69-140	1.13	19	
Acrylonitrile	589.7	50.0	ug/L	502	ND	117	38-147	0.988	30	
trans-1,2-Dichloroethylene	529.6	10.0	ug/L	501	ND	106	69-144	2.79	22	
1,1-Dichloroethane	537.6	10.0	ug/L	501	ND	107	70-138	2.01	20	
Vinyl Acetate	1692	50.0	ug/L	1400	ND	121	58-142	0.914	24	
cis-1,2-Dichloroethylene	538.3	10.0	ug/L	504	ND	107	68-151	1.16	22	
2-Butanone (MEK)	1094	100	ug/L	1000	ND	109	50-160	4.21	23	
Bromochloromethane	567.1	10.0	ug/L	504	ND	113	65-143	0.406	22	
Chloroform	537.6	10.0	ug/L	501	ND	107	71-143	0.223	21	
1,1,1-Trichloroethane	528.3	10.0	ug/L	501	ND	105	63-133	2.58	23	
Carbon Tetrachloride	521.0	10.0	ug/L	501	ND	104	63-142	2.43	22	
Benzene	504.1	10.0	ug/L	504	ND	100	69-133	0.437	18	
1,2-Dichloroethane	576.9	10.0	ug/L	501	ND	115	63-138	3.64	20	
Trichloroethylene	508.4	10.0	ug/L	501	ND	101	71-133	1.53	23	
1,2-Dichloropropane	545.8	10.0	ug/L	501	ND	109	69-132	5.44	20	
Dibromomethane	574.2	10.0	ug/L	504	ND	114	70-147	4.65	22	
Bromodichloromethane	572.5	10.0	ug/L	501	ND	114	67-130	3.19	21	
cis-1,3-Dichloropropene	547.3	10.0	ug/L	501	ND	109	61-126	4.41	21	
4-Methyl-2-pentanone (MIBK)	1236	50.0	ug/L	1000	ND	124	55-147	8.06	23	
Toluene	547.0	10.0	ug/L	505	ND	108	71-133	1.94	19	
trans-1,3-Dichloropropene	546.2	10.0	ug/L	501	ND	109	63-124	6.19	21	
1,1,2-Trichloroethane	545.6	10.0	ug/L	501	ND	109	69-133	7.45	19	
Tetrachloroethylene	492.9	10.0	ug/L	501	ND	98.4	70-124	1.14	24	

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1150 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IC1150-MSD1)	Source: 1IC1317-07			Prepared: 03/21/25 00:00 Analyzed: 03/21/25 22:57						
2-Hexanone (MBK)	1263	50.0	ug/L	1000	ND	126	53-141	8.46	24	
Dibromochloromethane	567.6	10.0	ug/L	501	ND	113	74-122	5.41	21	
1,2-Dibromoethane	567.3	10.0	ug/L	502	ND	113	66-127	7.10	23	
Chlorobenzene	512.4	10.0	ug/L	501	ND	102	76-116	2.79	21	
1,1,1,2-Tetrachloroethane	511.0	10.0	ug/L	503	ND	101	77-121	1.78	25	
Ethylbenzene	540.4	10.0	ug/L	502	ND	108	73-124	3.01	20	
Xylenes, total	1632	20.0	ug/L	1510	ND	108	75-123	2.47	20	
Styrene	568.7	10.0	ug/L	504	ND	113	70-120	3.29	23	
Bromoform	566.2	10.0	ug/L	501	ND	113	70-124	1.80	22	
1,2,3-Trichloropropane	525.6	10.0	ug/L	503	ND	104	62-135	2.11	28	
trans-1,4-Dichloro-2-butene	1171	50.0	ug/L	1000	ND	117	50-120	7.87	26	
1,1,1,2-Tetrachloroethane	551.2	10.0	ug/L	501	ND	110	63-126	8.26	24	
1,4-Dichlorobenzene	511.1	10.0	ug/L	501	ND	102	72-119	5.90	24	
1,2-Dichlorobenzene	558.7	10.0	ug/L	501	ND	112	71-117	8.63	24	
1,2-Dibromo-3-chloropropane	616.0	50.0	ug/L	501	ND	123	49-134	8.55	28	
Surrogate: Dibromofluoromethane	522		ug/L	502		104	57-134			
Surrogate: Dibromofluoromethane	522		ug/L	502		104	75-136			
Surrogate: 1,2-Dichloroethane-d4	532		ug/L	501		106	53-140			
Surrogate: 1,2-Dichloroethane-d4	532		ug/L	501		106	61-142			
Surrogate: Toluene-d8	502		ug/L	504		99.6	86-114			
Surrogate: Toluene-d8	502		ug/L	504		99.6	82-121			
Surrogate: 4-Bromofluorobenzene	514		ug/L	501		102	78-121			
Surrogate: 4-Bromofluorobenzene	514		ug/L	501		102	80-116			

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1297 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IC1297-BLK1)	Prepared: 03/31/25 10:22 Analyzed: 04/04/25 19:39									
Antimony, total	<0.0020	0.0020	mg/L							
Arsenic, total	<0.0040	0.0040	mg/L							
Barium, total	<0.0040	0.0040	mg/L							
Beryllium, total	<0.0040	0.0040	mg/L							
Cadmium, total	<0.0008	0.0008	mg/L							
Chromium, total	<0.0080	0.0080	mg/L							
Cobalt, total	<0.0004	0.0004	mg/L							
Copper, total	<0.0040	0.0040	mg/L							
Lead, total	<0.0040	0.0040	mg/L							
Nickel, total	<0.0040	0.0040	mg/L							
Selenium, total	<0.0040	0.0040	mg/L							
Silver, total	<0.0040	0.0040	mg/L							
Thallium, total	<0.0020	0.0020	mg/L							
Vanadium, total	<0.0200	0.0200	mg/L							
Zinc, total	<0.0200	0.0200	mg/L							

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1297 - EPA 3005A Total Recoverable Metals - EPA 6020A										
LCS (1IC1297-BS1)				Prepared: 03/31/25 10:22 Analyzed: 04/04/25 19:57						
Antimony, total	0.0913	0.0020	mg/L	0.100		91.3	80-120			
Arsenic, total	0.0935	0.0040	mg/L	0.100		93.5	80-120			
Barium, total	0.107	0.0040	mg/L	0.100		107	80-120			
Beryllium, total	0.102	0.0040	mg/L	0.100		102	80-120			
Cadmium, total	0.0959	0.0008	mg/L	0.100		95.9	80-120			
Chromium, total	0.0953	0.0080	mg/L	0.100		95.3	80-120			
Cobalt, total	0.0966	0.0004	mg/L	0.100		96.6	80-120			
Copper, total	0.0930	0.0040	mg/L	0.100		93.0	80-120			
Lead, total	0.0992	0.0040	mg/L	0.100		99.2	80-120			
Nickel, total	0.0948	0.0040	mg/L	0.100		94.8	80-120			
Selenium, total	0.0922	0.0040	mg/L	0.100		92.2	80-120			
Silver, total	0.0986	0.0040	mg/L	0.100		98.6	80-120			
Thallium, total	0.0989	0.0020	mg/L	0.100		98.9	80-120			
Vanadium, total	0.0955	0.0200	mg/L	0.100		95.5	80-120			
Zinc, total	0.0989	0.0200	mg/L	0.100		98.9	80-120			
Matrix Spike (1IC1297-MS1)				Source: 1IC1317-01		Prepared: 03/31/25 10:22 Analyzed: 04/04/25 20:21				
Antimony, total	0.128	0.0020	mg/L	0.100	ND	128	75-125			M4
Arsenic, total	0.134	0.0040	mg/L	0.100	ND	134	75-125			M4
Barium, total	0.327	0.0040	mg/L	0.100	0.127	200	75-125			M4
Beryllium, total	0.153	0.0040	mg/L	0.100	ND	153	75-125			M4
Cadmium, total	0.133	0.0008	mg/L	0.100	0.0003	132	75-125			M4
Chromium, total	0.135	0.0080	mg/L	0.100	0.0028	132	75-125			M4
Cobalt, total	0.130	0.0004	mg/L	0.100	ND	130	75-125			M4
Copper, total	0.118	0.0040	mg/L	0.100	0.0011	117	75-125			
Lead, total	0.136	0.0040	mg/L	0.100	ND	136	75-125			M4
Nickel, total	0.123	0.0040	mg/L	0.100	0.0013	122	75-125			
Selenium, total	0.1380	0.0040	mg/L	0.100	ND	138	75-125			M4
Silver, total	0.135	0.0040	mg/L	0.100	ND	135	75-125			M4
Thallium, total	0.138	0.0020	mg/L	0.100	ND	138	75-125			M4
Vanadium, total	0.137	0.0200	mg/L	0.100	ND	137	75-125			M4
Zinc, total	0.150	0.0200	mg/L	0.100	ND	150	75-125			M4
Matrix Spike Dup (1IC1297-MSD1)				Source: 1IC1317-01		Prepared: 03/31/25 10:22 Analyzed: 04/04/25 20:27				
Antimony, total	0.0892	0.0020	mg/L	0.100	ND	89.2	75-125	35.7	20	R1
Arsenic, total	0.0931	0.0040	mg/L	0.100	ND	93.1	75-125	36.2	20	R1
Barium, total	0.226	0.0040	mg/L	0.100	0.127	98.8	75-125	36.7	20	R1
Beryllium, total	0.103	0.0040	mg/L	0.100	ND	103	75-125	39.4	20	R1
Cadmium, total	0.0916	0.0008	mg/L	0.100	0.0003	91.3	75-125	36.6	20	R1
Chromium, total	0.0935	0.0080	mg/L	0.100	0.0028	90.7	75-125	36.1	20	R1
Cobalt, total	0.0905	0.0004	mg/L	0.100	ND	90.5	75-125	35.7	20	R1
Copper, total	0.0841	0.0040	mg/L	0.100	0.0011	83.0	75-125	33.4	20	R1
Lead, total	0.0951	0.0040	mg/L	0.100	ND	95.1	75-125	35.4	20	R1
Nickel, total	0.0875	0.0040	mg/L	0.100	0.0013	86.1	75-125	34.1	20	R1
Selenium, total	0.0935	0.0040	mg/L	0.100	ND	93.5	75-125	38.4	20	R1

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1297 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike Dup (1IC1297-MSD1) Source: 1IC1317-01 Prepared: 03/31/25 10:22 Analyzed: 04/04/25 20:27										
Silver, total	0.0938	0.0040	mg/L	0.100	ND	93.8	75-125	36.0	20	R1
Thallium, total	0.0974	0.0020	mg/L	0.100	ND	97.4	75-125	34.7	20	R1
Vanadium, total	0.0939	0.0200	mg/L	0.100	ND	93.9	75-125	37.6	20	R1
Zinc, total	0.0981	0.0200	mg/L	0.100	ND	98.1	75-125	42.0	20	R1
Post Spike (1IC1297-PS1) Source: 1IC1317-01 Prepared: 03/31/25 10:22 Analyzed: 04/04/25 20:34										
Antimony, total	0.0988		mg/L	0.0800	0.0003	123	80-120			M4
Arsenic, total	0.103		mg/L	0.0800	0.0008	128	80-120			M4
Barium, total	0.287		mg/L	0.0800	0.124	203	80-120			M4
Beryllium, total	0.119		mg/L	0.0800	-0.00001	149	80-120			M4
Cadmium, total	0.104		mg/L	0.0800	0.0003	130	80-120			M4
Chromium, total	0.106		mg/L	0.0800	0.0028	129	80-120			M4
Cobalt, total	0.102		mg/L	0.0800	0.00006	127	80-120			M4
Copper, total	0.0936		mg/L	0.0800	0.0011	116	80-120			
Lead, total	0.108		mg/L	0.0800	0.0003	134	80-120			M4
Nickel, total	0.0977		mg/L	0.0800	0.0013	120	80-120			
Selenium, total	0.1020		mg/L	0.0800	0.0008	127	80-120			M4
Silver, total	0.107		mg/L	0.0800	0.00008	133	80-120			M4
Thallium, total	0.109		mg/L	0.0800	0.00002	137	80-120			M4
Vanadium, total	0.110		mg/L	0.0800	0.0025	135	80-120			M4
Zinc, total	0.110		mg/L	0.0800	0.0026	134	80-120			M4

Batch Quality Control Summary: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5C1521 - 5021 - EPA RSK-175										
Blank (B5C1521-BLK1) Prepared: 03/26/25 14:31 Analyzed: 03/26/25 16:22										
Methane	<5.00	5.00	ug/L							
Ethene	<5.00	5.00	ug/L							
Ethane	<5.00	5.00	ug/L							
Propane	<5.00	5.00	ug/L							
n-Butane	<5.00	5.00	ug/L							
LCS (B5C1521-BS1) Prepared: 03/26/25 14:31 Analyzed: 03/26/25 16:39										
Methane	111	5.00	ug/L	114.1884		97.5	85-115			
Ethene	213	5.00	ug/L	199.6873		107	85-115			
Ethane	230	5.00	ug/L	213.9965		107	85-115			
Propane	335	5.00	ug/L	313.9185		107	85-115			
n-Butane	410	5.00	ug/L	413.7764		99.2	85-115			
LCS Dup (B5C1521-BSD1) Prepared: 03/26/25 14:31 Analyzed: 03/26/25 16:54										
Methane	126	5.00	ug/L	114.1884		111	85-115	12.5	40	

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Volatile Organic Compounds by GCMS	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch B5C1521 - 5021 - EPA RSK-175									
LCS Dup (B5C1521-BSD1)				Prepared: 03/26/25 14:31 Analyzed: 03/26/25 16:54					
Ethene	254	5.00	ug/L	199.6873		127 85-115	17.6	40	Q2
Ethane	277	5.00	ug/L	213.9965		129 85-115	18.5	40	Q2
Propane	431	5.00	ug/L	313.9185		137 85-115	24.9	40	Q2
n-Butane	560	5.00	ug/L	413.7764		135 85-115	30.8	40	Q2

Batch B5D1276 - 5021 - EPA RSK-175

Blank (B5D1276-BLK1)				Prepared: 04/23/25 13:46 Analyzed: 04/23/25 14:39					
Methane	<5.00	5.00	ug/L						
Ethene	<5.00	5.00	ug/L						
Ethane	<5.00	5.00	ug/L						
Propane	<5.00	5.00	ug/L						
LCS (B5D1276-BS1)				Prepared: 04/23/25 13:46 Analyzed: 04/23/25 14:52					
Methane	117	5.00	ug/L	114.1884		102 85-115			
Ethene	222	5.00	ug/L	199.6873		111 85-115			
Ethane	238	5.00	ug/L	213.9965		111 85-115			
Propane	338	5.00	ug/L	313.9185		108 85-115			
LCS Dup (B5D1276-BSD1)				Prepared: 04/23/25 13:46 Analyzed: 04/23/25 15:06					
Methane	130	5.00	ug/L	114.1884		114 85-115	10.9	40	
Ethene	261	5.00	ug/L	199.6873		131 85-115	15.9	40	Q
Ethane	280	5.00	ug/L	213.9965		131 85-115	16.1	40	Q
Propane	411	5.00	ug/L	313.9185		131 85-115	19.5	40	Q

Definitions

B1:	The target analyte was detected in the method blank at or above the method acceptance criteria. The sample concentration is below the method acceptance criteria.
D3:	Dilution was performed due to high target analyte concentration.
H2:	Initial analysis was within holding time. Reanalysis was done past holding time.
M4:	Matrix spike recovery is outside of acceptance limits. The post digestion spike is outside acceptance levels.
Q:	One or more quality control criteria failed.
Q2:	LCS recovery is above acceptance limits.
R1:	Duplicate RPD is outside acceptance criteria.
RL:	Reporting Limit
RPD:	Relative Percent Difference
S2:	Surrogate recovery is below acceptance limits.

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 0.0°C

Cooler Inspection Checklist

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



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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
04/24/25 13:32



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Newton, I
841-792-8



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HLW Engineering
PM: Heather Murphy

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SITE INFORMATION

Sampler: JGH

Project: Delaware Co. Landfill - New Regs
6039

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

Erin Learn
Delaware County Solid Waste Commission
804 W 2nd St
Washington, IA 52353

LAB USE ONLY

Work Order 1IC1317

Temperature 0.0

Turn-Cooler: No

☐ Custody Seal
☒ Containers Intact
☒ COC/Labels Agree
☒ Preservation Confirmed
☒ Received on Ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses	Lab Sample Number
-001	MW-11 (b)	Aqueous	GRAB	3/17/25	10:50	7	Indfill-app1-voc-group Indfill-app1-metals-6020	01
-001	MW-20 (b)	Aqueous	GRAB	3/17/25	10:32	7	Indfill-app1-voc-group Indfill-app1-metals-6020	02
-001	MW-5	Aqueous	GRAB	3/17/25	13:09	7	Indfill-app1-voc-group Indfill-app1-metals-6020	03
-001	MW-6	Aqueous	GRAB	3/17/25	13:00	7	Indfill-app1-voc-group Indfill-app1-metals-6020	04
-001	MW-7	Aqueous	GRAB	3/17/25	12:45	7	Indfill-app1-voc-group Indfill-app1-metals-6020	05
-001	MW-8	Aqueous	GRAB	3/17/25	12:39	10	Indfill-app1-voc-group Indfill-app1-metals-6020 permeas-rsk-175	06
-001	MW-23	Aqueous	GRAB	3/17/25	12:10	7	Indfill-app1-voc-group Indfill-app1-metals-6020	07

Relinquished By

Date/Time

Relinquished By

Date/Time

Remarks:

Received By

Date/Time

Received for Lab By

Date/Time

Original - Lab Copy Yellow - Sampler Copy



600 East
Newton,
641-792-



HLW Engineering
PM: Heather Murphy

Page 2 of
Printed: 2/18/2025 2:30:51P
www.kestonelabs.com

Page 47 of 47

SITE INFORMATION

Sampler: JGH
Project: Delaware Co. Landfill - New Regs
6039

SPECIAL INSTRUCTIONS

None

Turn Around Time

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

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50246

INVOICE TO

Erin Learn
Delaware County Solid Waste Commission
804 W 2nd St
Washington, IA 52353

LAB USE ONLY

Work Order 1IC1317

Temperature 0.0

Turn-Cooler: No

☐ Custody Seal
☒ Containers Intact
☒ COC/Labels Agree
☐ Preservation Confirmed
☒ Received on Ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses	Lab Sample Number
-001	MW-24	Aqueous	GRAB	3/17/25	11:27	7	Indfil-app1-voc-group Indfil-app1-metals-6020	08
-001	MW-25	Aqueous	GRAB	3/17/25	11:08	7	Indfil-app1-voc-group Indfil-app1-metals-6020	09
-001	Duplicate	Aqueous	GRAB	3/17/25	11:27	7	Indfil-app1-voc-group Indfil-app1-metals-6020	10
-001	MW-21	Aqueous	GRAB	3/17/25	13:30	7	8260@ndefin Indfil-app1-voc-group	11
-001	Sump-1	Aqueous	GRAB	3/17/25	11:45	1	res-t-6020 co-t-6020	12
-001	Sump-2	Aqueous	GRAB	3/17/25	11:49	4	as-t-6020 co-t-6020	13
-001	Sump-3	Aqueous	GRAB	~~3/17/24~~ 3/17/25	~~11:27~~ 11:54	~~4~~ 1	ni-t-6020 permga-rsk-175 as-t-6020 co-t-6020 ni-t-6020	14

Relinquished By JCOH Date/Time 3/19/25

Relinquished By [Signature] Date/Time 3/19/2025 10:15 AM

Received By _____ Date/Time _____

Received for Lab By _____ Date/Time _____

Original - Lab Copy Yellow - Sampler Copy

Remarks:



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IG1857

Project Description

6039

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Thursday, July 24, 2025

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

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

Microbac Laboratories, Inc.

600 East 17th Street South | Newton, IA 50208 | 641-792-8451 p | www.microbac.com



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IG1857

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6039

Project / PO Number: N/A
Received: 07/16/2025
Reported: 07/24/2025

Sample Summary Report

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Client Matrix</u>	<u>Sample Type</u>	<u>Sample Begin</u>	<u>Sample Taken</u>	<u>Lab Received</u>
MW-8	1IG1857-01	Aqueous	GRAB		07/14/25 09:35	07/16/25 09:37
Sump- 2	1IG1857-02	Aqueous	GRAB		07/14/25 10:10	07/16/25 09:37
Sump- 3	1IG1857-03	Aqueous	GRAB		07/14/25 10:20	07/16/25 09:37



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IG1857

Analytical Testing Parameters

Client Sample ID:	MW-8	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	07/14/2025 9:35
Lab Sample ID:	1IG1857-01		

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Arsenic, total	0.0122	0.0020	mg/L		07/22/25 1525	07/23/25 1719	RVV
Cobalt, total	0.0093	0.0005	mg/L		07/22/25 1525	07/23/25 1719	RVV
Nickel, total	0.160	0.0050	mg/L		07/22/25 1525	07/23/25 1719	RVV

Client Sample ID:	Sump- 2	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	07/14/2025 10:10
Lab Sample ID:	1IG1857-02		

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Arsenic, total	0.0081	0.0020	mg/L		07/22/25 1525	07/23/25 1721	RVV
Cobalt, total	<0.0005	0.0005	mg/L		07/22/25 1525	07/23/25 1721	RVV
Nickel, total	0.0053	0.0050	mg/L		07/22/25 1525	07/23/25 1721	RVV

Client Sample ID:	Sump- 3	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	07/14/2025 10:20
Lab Sample ID:	1IG1857-03		

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Arsenic, total	0.0054	0.0020	mg/L		07/22/25 1525	07/23/25 1724	RVV
Cobalt, total	0.0049	0.0005	mg/L		07/22/25 1525	07/23/25 1724	RVV
Nickel, total	0.0358	0.0050	mg/L		07/22/25 1525	07/23/25 1724	RVV



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IG1857

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IG1243	1IG1243-BLK1	
		1IG1243-BS1	
		1IG1243-MS1	1IG1856-01
		1IG1243-MSD1	1IG1856-01
		1IG1243-PS1	1IG1856-01
		1IG1857-01	MW-8
		1IG1857-02	Sump- 2
		1IG1857-03	Sump- 3

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG1243 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IG1243-BLK1) Prepared: 07/22/25 15:25 Analyzed: 07/23/25 16:55										
Arsenic, total	<0.0020	0.0020	mg/L							
Cobalt, total	<0.0005	0.0005	mg/L							
Nickel, total	<0.0050	0.0050	mg/L							
LCS (1IG1243-BS1) Prepared: 07/22/25 15:25 Analyzed: 07/23/25 16:57										
Arsenic, total	0.102	0.0020	mg/L	0.100		102	80-120			
Cobalt, total	0.111	0.0005	mg/L	0.100		111	80-120			
Nickel, total	0.104	0.0050	mg/L	0.100		104	80-120			
Matrix Spike (1IG1243-MS1) Source: 1IG1856-01 Prepared: 07/22/25 15:25 Analyzed: 07/23/25 17:12										
Arsenic, total	0.105	0.0020	mg/L	0.100	ND	105	75-125			
Cobalt, total	0.103	0.0005	mg/L	0.100	0.00009	103	75-125			
Nickel, total	0.101	0.0050	mg/L	0.100	0.0010	99.9	75-125			
Matrix Spike Dup (1IG1243-MSD1) Source: 1IG1856-01 Prepared: 07/22/25 15:25 Analyzed: 07/23/25 17:14										
Arsenic, total	0.103	0.0020	mg/L	0.100	ND	103	75-125	2.02	20	
Cobalt, total	0.106	0.0005	mg/L	0.100	0.00009	106	75-125	2.55	20	
Nickel, total	0.100	0.0050	mg/L	0.100	0.0010	99.4	75-125	0.559	20	
Post Spike (1IG1243-PS1) Source: 1IG1856-01 Prepared: 07/22/25 15:25 Analyzed: 07/23/25 17:17										
Arsenic, total	0.0196		mg/L	0.0200	0.000006	97.8	80-120			
Cobalt, total	0.0194		mg/L	0.0200	0.00009	96.3	80-120			
Nickel, total	0.0200		mg/L	0.0200	0.0010	95.1	80-120			

Definitions

RL: Reporting Limit
RPD: Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 0.0°C



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IG1857

Cooler Inspection Checklist

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

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.

Reviewed and Approved By:

Heather Murphy
Customer Relationship Specialist
heather.murphy@microbac.com
07/24/25 15:00

☐ 600 E. 17th St. S.
Newton, IA 50208
Phone: 641-792-8451
Fax: 641-792-7989

☐ 3012 Ansborough Ave.
Waterloo, IA 50701
Phone: 319-235-4440
Fax: 319-235-2480



1 I G 1 8 5 7

HLW Engineering
PM: Heather Murphy

/anBuren St
ville, IA 52544
641-437-7023
641-437-7040

AGE _____ OF _____

PRINT OR TYPE INFORMATION BELOW

SAMPLER: TODD WHIPPLE
SITE NAME: Delaware Co SLF
ADDRESS: _____
CITY/ST/ZIP: Delhi, IA
PHONE: _____

REPORT TO:
NAME: TODD WHIPPLE
COMPANY NAME: HLW Group LLC
ADDRESS: P.O. Box 314
CITY/ST/ZIP: Story City, IA 50248
PHONE: 515 733-4144
FAX: 4146

BILL TO:
NAME: Erin Leary, City Clerk
COMPANY NAME: City of Manchester
ADDRESS: 208 E. Main Street
CITY/ST/ZIP: Manchester, IA 52057
PHONE: _____
Keystone Quote No: _____
(If Applicable)

CLIENT SAMPLE NUMBER	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED										LAB USE ONLY	
																	LABORATORY WORK ORDER NO.	LABORATORY SAMPLE NUMBER
MW-8	7/14/25	9:35	MW-8	1	W	G	X										1IG1857	01
Sump - 2	7/14/25	10:10	Sump - 2	1	W	G	X											02
Sump - 3	7/14/25	10:20	Sump - 3	1	W	G	X											03

Relinquished by: (Signature) 	Date <u>7/16/25</u>	Received by: (Signature) 	Date <u>7-16-25</u>	Turn-Around: ☐ Standard ☐ Rush Contact Lab Prior to Submission
	Time		Time <u>9:37</u>	
Relinquished by: (Signature)	Date	Received for Lab by: (Signature)	Date	Remarks:
	Time		Time	



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1111519

Project Description

6039

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Thursday, October 2, 2025

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

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

Microbac Laboratories, Inc.

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1II1519

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6039

Project / PO Number: N/A
Received: 09/18/2025
Reported: 10/02/2025

Sample Summary Report

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Client Matrix</u>	<u>Sample Type</u>	<u>Sample Begin</u>	<u>Sample Taken</u>	<u>Lab Received</u>
MW-11 (b)	1II1519-01	Aqueous	GRAB		09/17/25 08:37	09/18/25 15:00
MW-20 (b)	1II1519-02	Aqueous	GRAB		09/17/25 09:11	09/18/25 15:00
MW-5	1II1519-03	Aqueous	GRAB		09/17/25 10:07	09/18/25 15:00
MW-6	1II1519-04	Aqueous	GRAB		09/17/25 10:23	09/18/25 15:00
MW-7	1II1519-05	Aqueous	GRAB		09/17/25 11:14	09/18/25 15:00
MW-8	1II1519-06	Aqueous	GRAB		09/17/25 11:00	09/18/25 15:00
MW-23	1II1519-07	Aqueous	GRAB		09/17/25 10:42	09/18/25 15:00
MW-24	1II1519-08	Aqueous	GRAB		09/17/25 11:59	09/18/25 15:00
MW-25	1II1519-09	Aqueous	GRAB		09/17/25 08:51	09/18/25 15:00
Duplicate	1II1519-10	Aqueous	GRAB		09/17/25 00:00	09/18/25 15:00
MW-21	1II1519-11	Aqueous	GRAB		09/17/25 09:30	09/18/25 15:00
Sump-3	1II1519-12	Aqueous	GRAB		09/17/25 11:42	09/18/25 15:00



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

111519

Analytical Testing Parameters

Client Sample ID: MW-11 (b)
Sample Matrix: Aqueous
Lab Sample ID: 111519-01

Collected By: Todd Whipple
Collection Date: 09/17/2025 8:37

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Bromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Chloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Acetone	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Chloroform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Benzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Dibromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Toluene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Xylenes, total	<2.0	2.0	ug/L		09/23/25 0000	09/23/25 1245	RAF

Microbac Laboratories, Inc., Newton

600 East 17th Street South | Newton, IA 50208 | 641-792-8451 p | www.microbac.com



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-11 (b)
Sample Matrix: Aqueous
Lab Sample ID: 111519-01

Collected By: Todd Whipple
Collection Date: 09/17/2025 8:37

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Styrene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Bromoform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1245	RAF
Surrogate: Dibromofluoromethane	89.9	Limit: 75-136	% Rec		09/23/25 0000	09/23/25 1245	RAF
Surrogate: Dibromofluoromethane	89.9	Limit: 57-128	% Rec		09/23/25 0000	09/23/25 1245	RAF
Surrogate: 1,2-Dichloroethane-d4	93.4	Limit: 49-135	% Rec		09/23/25 0000	09/23/25 1245	RAF
Surrogate: 1,2-Dichloroethane-d4	93.4	Limit: 61-142	% Rec		09/23/25 0000	09/23/25 1245	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		09/23/25 0000	09/23/25 1245	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		09/23/25 0000	09/23/25 1245	RAF
Surrogate: 4-Bromofluorobenzene	89.8	Limit: 77-114	% Rec		09/23/25 0000	09/23/25 1245	RAF
Surrogate: 4-Bromofluorobenzene	89.8	Limit: 80-116	% Rec		09/23/25 0000	09/23/25 1245	RAF
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1811	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1811	JAR
Barium, total	0.114	0.0010	mg/L		09/18/25 1537	09/23/25 1811	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1811	JAR
Cadmium, total	0.0002	0.0002	mg/L		09/18/25 1537	09/23/25 1811	JAR
Chromium, total	0.0025	0.0010	mg/L		09/18/25 1537	09/23/25 1811	JAR
Cobalt, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1811	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1811	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1811	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1811	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1811	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1811	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1811	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1811	JAR
Zinc, total	0.0110	0.0050	mg/L		09/18/25 1537	09/23/25 1811	JAR

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-20 (b)
Sample Matrix: Aqueous
Lab Sample ID: 111519-02

Collected By: Todd Whipple
Collection Date: 09/17/2025 9:11

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Bromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Chloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Acetone	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Chloroform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Benzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Dibromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Toluene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Xylenes, total	<2.0	2.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Styrene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Bromoform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-20 (b)
Sample Matrix: Aqueous
Lab Sample ID: 111519-02

Collected By: Todd Whipple
Collection Date: 09/17/2025 9:11

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1308	RAF
Surrogate: Dibromofluoromethane	93.5	Limit: 57-128	% Rec		09/23/25 0000	09/23/25 1308	RAF
Surrogate: Dibromofluoromethane	93.5	Limit: 75-136	% Rec		09/23/25 0000	09/23/25 1308	RAF
Surrogate: 1,2-Dichloroethane-d4	94.8	Limit: 61-142	% Rec		09/23/25 0000	09/23/25 1308	RAF
Surrogate: 1,2-Dichloroethane-d4	94.8	Limit: 49-135	% Rec		09/23/25 0000	09/23/25 1308	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		09/23/25 0000	09/23/25 1308	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		09/23/25 0000	09/23/25 1308	RAF
Surrogate: 4-Bromofluorobenzene	94.1	Limit: 80-116	% Rec		09/23/25 0000	09/23/25 1308	RAF
Surrogate: 4-Bromofluorobenzene	94.1	Limit: 77-114	% Rec		09/23/25 0000	09/23/25 1308	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1826	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1826	JAR
Barium, total	0.179	0.0010	mg/L		09/18/25 1537	09/23/25 1826	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1826	JAR
Cadmium, total	0.0002	0.0002	mg/L		09/18/25 1537	09/23/25 1826	JAR
Chromium, total	0.0053	0.0010	mg/L		09/18/25 1537	09/23/25 1826	JAR
Cobalt, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1826	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1826	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1826	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1826	JAR
Selenium, total	0.0024	0.0020	mg/L		09/18/25 1537	09/23/25 1826	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1826	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1826	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1826	JAR
Zinc, total	0.0118	0.0050	mg/L		09/18/25 1537	09/23/25 1826	JAR

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-5
Sample Matrix: Aqueous
Lab Sample ID: 111519-03

Collected By: Todd Whipple
Collection Date: 09/17/2025 10:07

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Bromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Chloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Acetone	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Chloroform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Benzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Dibromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Toluene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Xylenes, total	<2.0	2.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Styrene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Bromoform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-5
Sample Matrix: Aqueous
Lab Sample ID: 111519-03

Collected By: Todd Whipple
Collection Date: 09/17/2025 10:07

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1331	RAF
Surrogate: Dibromofluoromethane	93.8	Limit: 57-128	% Rec		09/23/25 0000	09/23/25 1331	RAF
Surrogate: Dibromofluoromethane	93.8	Limit: 75-136	% Rec		09/23/25 0000	09/23/25 1331	RAF
Surrogate: 1,2-Dichloroethane-d4	92.3	Limit: 49-135	% Rec		09/23/25 0000	09/23/25 1331	RAF
Surrogate: 1,2-Dichloroethane-d4	92.3	Limit: 61-142	% Rec		09/23/25 0000	09/23/25 1331	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/23/25 0000	09/23/25 1331	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/23/25 0000	09/23/25 1331	RAF
Surrogate: 4-Bromofluorobenzene	93.0	Limit: 77-114	% Rec		09/23/25 0000	09/23/25 1331	RAF
Surrogate: 4-Bromofluorobenzene	93.0	Limit: 80-116	% Rec		09/23/25 0000	09/23/25 1331	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1829	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1829	JAR
Barium, total	0.324	0.0010	mg/L		09/18/25 1537	09/23/25 1829	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1829	JAR
Cadmium, total	0.0002	0.0002	mg/L		09/18/25 1537	09/23/25 1829	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1829	JAR
Cobalt, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1829	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1829	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1829	JAR
Nickel, total	0.0132	0.0050	mg/L		09/18/25 1537	09/23/25 1829	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1829	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1829	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1829	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1829	JAR
Zinc, total	0.0220	0.0050	mg/L		09/18/25 1537	09/23/25 1829	JAR

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-6
Sample Matrix: Aqueous
Lab Sample ID: 111519-04

Collected By: Todd Whipple
Collection Date: 09/17/2025 10:23

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA RSK-175							
Methane	87.3	5.00	ug/L		09/23/25 1210	09/23/25 1527	KJB
Ethene	<5.00	5.00	ug/L		09/23/25 1210	09/23/25 1527	KJB
Ethane	<5.00	5.00	ug/L		09/23/25 1210	09/23/25 1527	KJB

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Bromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Chloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Acetone	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Chloroform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Benzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Dibromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Toluene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1354	RAF

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-6
Sample Matrix: Aqueous
Lab Sample ID: 111519-04

Collected By: Todd Whipple
Collection Date: 09/17/2025 10:23

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Dibromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Xylenes, total	<2.0	2.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Styrene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Bromoform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1354	RAF
Surrogate: Dibromofluoromethane	91.6	Limit: 75-136	% Rec		09/23/25 0000	09/23/25 1354	RAF
Surrogate: Dibromofluoromethane	91.6	Limit: 57-128	% Rec		09/23/25 0000	09/23/25 1354	RAF
Surrogate: 1,2-Dichloroethane-d4	97.7	Limit: 49-135	% Rec		09/23/25 0000	09/23/25 1354	RAF
Surrogate: 1,2-Dichloroethane-d4	97.7	Limit: 61-142	% Rec		09/23/25 0000	09/23/25 1354	RAF
Surrogate: Toluene-d8	100	Limit: 82-121	% Rec		09/23/25 0000	09/23/25 1354	RAF
Surrogate: Toluene-d8	100	Limit: 82-116	% Rec		09/23/25 0000	09/23/25 1354	RAF
Surrogate: 4-Bromofluorobenzene	93.7	Limit: 77-114	% Rec		09/23/25 0000	09/23/25 1354	RAF
Surrogate: 4-Bromofluorobenzene	93.7	Limit: 80-116	% Rec		09/23/25 0000	09/23/25 1354	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1831	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1831	JAR
Barium, total	0.192	0.0010	mg/L		09/18/25 1537	09/23/25 1831	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1831	JAR
Cadmium, total	0.0005	0.0002	mg/L		09/18/25 1537	09/23/25 1831	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1831	JAR
Cobalt, total	0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1831	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1831	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1831	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1831	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1831	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1831	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1831	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1831	JAR
Zinc, total	0.0061	0.0050	mg/L		09/18/25 1537	09/23/25 1831	JAR

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-7
Sample Matrix: Aqueous
Lab Sample ID: 111519-05

Collected By: Todd Whipple
Collection Date: 09/17/2025 11:14

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA RSK-175							
Methane	18.3	5.00	ug/L		09/23/25 1210	09/23/25 1553	KJB
Ethene	<5.00	5.00	ug/L		09/23/25 1210	09/23/25 1553	KJB
Ethane	<5.00	5.00	ug/L		09/23/25 1210	09/23/25 1553	KJB

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Bromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Chloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Acetone	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Chloroform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Benzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Dibromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Toluene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1417	RAF

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-7
Sample Matrix: Aqueous
Lab Sample ID: 111519-05

Collected By: Todd Whipple
Collection Date: 09/17/2025 11:14

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Dibromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Xylenes, total	<2.0	2.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Styrene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Bromoform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1417	RAF
Surrogate: Dibromofluoromethane	94.8	Limit: 75-136	% Rec		09/23/25 0000	09/23/25 1417	RAF
Surrogate: Dibromofluoromethane	94.8	Limit: 57-128	% Rec		09/23/25 0000	09/23/25 1417	RAF
Surrogate: 1,2-Dichloroethane-d4	97.0	Limit: 61-142	% Rec		09/23/25 0000	09/23/25 1417	RAF
Surrogate: 1,2-Dichloroethane-d4	97.0	Limit: 49-135	% Rec		09/23/25 0000	09/23/25 1417	RAF
Surrogate: Toluene-d8	97.6	Limit: 82-116	% Rec		09/23/25 0000	09/23/25 1417	RAF
Surrogate: Toluene-d8	97.6	Limit: 82-121	% Rec		09/23/25 0000	09/23/25 1417	RAF
Surrogate: 4-Bromofluorobenzene	94.5	Limit: 80-116	% Rec		09/23/25 0000	09/23/25 1417	RAF
Surrogate: 4-Bromofluorobenzene	94.5	Limit: 77-114	% Rec		09/23/25 0000	09/23/25 1417	RAF
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1834	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1834	JAR
Barium, total	0.271	0.0010	mg/L		09/18/25 1537	09/23/25 1834	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1834	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1537	09/23/25 1834	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1834	JAR
Cobalt, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1834	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1834	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1834	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1834	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1834	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1834	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1834	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1834	JAR
Zinc, total	0.0091	0.0050	mg/L		09/18/25 1537	09/23/25 1834	JAR

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-8
Sample Matrix: Aqueous
Lab Sample ID: 111519-06

Collected By: Todd Whipple
Collection Date: 09/17/2025 11:00

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA RSK-175							
Methane	1310	50.0	ug/L	D3	09/24/25 1155	09/24/25 1813	KJB
Ethene	<5.00	5.00	ug/L		09/23/25 1210	09/23/25 1541	KJB
Ethane	<5.00	5.00	ug/L		09/23/25 1210	09/23/25 1541	KJB

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Bromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Chloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Acetone	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Chloroform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Benzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Dibromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Toluene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1440	RAF

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-8
Sample Matrix: Aqueous
Lab Sample ID: 111519-06

Collected By: Todd Whipple
Collection Date: 09/17/2025 11:00

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Dibromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Xylenes, total	<2.0	2.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Styrene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Bromoform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1440	RAF
Surrogate: Dibromofluoromethane	94.7	Limit: 57-128	% Rec		09/23/25 0000	09/23/25 1440	RAF
Surrogate: Dibromofluoromethane	94.7	Limit: 75-136	% Rec		09/23/25 0000	09/23/25 1440	RAF
Surrogate: 1,2-Dichloroethane-d4	98.4	Limit: 61-142	% Rec		09/23/25 0000	09/23/25 1440	RAF
Surrogate: 1,2-Dichloroethane-d4	98.4	Limit: 49-135	% Rec		09/23/25 0000	09/23/25 1440	RAF
Surrogate: Toluene-d8	97.9	Limit: 82-116	% Rec		09/23/25 0000	09/23/25 1440	RAF
Surrogate: Toluene-d8	97.9	Limit: 82-121	% Rec		09/23/25 0000	09/23/25 1440	RAF
Surrogate: 4-Bromofluorobenzene	92.7	Limit: 80-116	% Rec		09/23/25 0000	09/23/25 1440	RAF
Surrogate: 4-Bromofluorobenzene	92.7	Limit: 77-114	% Rec		09/23/25 0000	09/23/25 1440	RAF
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1837	JAR
Arsenic, total	0.0138	0.0020	mg/L		09/18/25 1537	09/23/25 1837	JAR
Barium, total	1.04	0.0010	mg/L		09/18/25 1537	09/23/25 1837	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1837	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1537	09/23/25 1837	JAR
Chromium, total	0.0014	0.0010	mg/L		09/18/25 1537	09/23/25 1837	JAR
Cobalt, total	0.0080	0.0005	mg/L		09/18/25 1537	09/23/25 1837	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1837	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1837	JAR
Nickel, total	0.133	0.0050	mg/L		09/18/25 1537	09/23/25 1837	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1837	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1837	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1837	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1837	JAR
Zinc, total	0.0138	0.0050	mg/L		09/18/25 1537	09/23/25 1837	JAR

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-23
Sample Matrix: Aqueous
Lab Sample ID: 111519-07

Collected By: Todd Whipple
Collection Date: 09/17/2025 10:42

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA RSK-175							
Methane	33.2	5.00	ug/L		09/23/25 1210	09/23/25 1608	KJB
Ethene	<5.00	5.00	ug/L		09/23/25 1210	09/23/25 1608	KJB
Ethane	<5.00	5.00	ug/L		09/23/25 1210	09/23/25 1608	KJB

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Bromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Chloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Acetone	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Chloroform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Benzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Dibromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Toluene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1503	RAF

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-23
Sample Matrix: Aqueous
Lab Sample ID: 111519-07

Collected By: Todd Whipple
Collection Date: 09/17/2025 10:42

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Dibromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Xylenes, total	<2.0	2.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Styrene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Bromoform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1503	RAF
Surrogate: Dibromofluoromethane	95.9	Limit: 57-128	% Rec		09/23/25 0000	09/23/25 1503	RAF
Surrogate: Dibromofluoromethane	95.9	Limit: 75-136	% Rec		09/23/25 0000	09/23/25 1503	RAF
Surrogate: 1,2-Dichloroethane-d4	94.6	Limit: 49-135	% Rec		09/23/25 0000	09/23/25 1503	RAF
Surrogate: 1,2-Dichloroethane-d4	94.6	Limit: 61-142	% Rec		09/23/25 0000	09/23/25 1503	RAF
Surrogate: Toluene-d8	100	Limit: 82-116	% Rec		09/23/25 0000	09/23/25 1503	RAF
Surrogate: Toluene-d8	100	Limit: 82-121	% Rec		09/23/25 0000	09/23/25 1503	RAF
Surrogate: 4-Bromofluorobenzene	90.9	Limit: 77-114	% Rec		09/23/25 0000	09/23/25 1503	RAF
Surrogate: 4-Bromofluorobenzene	90.9	Limit: 80-116	% Rec		09/23/25 0000	09/23/25 1503	RAF
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1839	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1839	JAR
Barium, total	0.142	0.0010	mg/L		09/18/25 1537	09/23/25 1839	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1839	JAR
Cadmium, total	0.0005	0.0002	mg/L		09/18/25 1537	09/23/25 1839	JAR
Chromium, total	0.0011	0.0010	mg/L		09/18/25 1537	09/23/25 1839	JAR
Cobalt, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1839	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1839	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1839	JAR
Nickel, total	0.0237	0.0050	mg/L		09/18/25 1537	09/23/25 1839	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1839	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1839	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1839	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1839	JAR
Zinc, total	0.0156	0.0050	mg/L		09/18/25 1537	09/23/25 1839	JAR

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-24
Sample Matrix: Aqueous
Lab Sample ID: 111519-08

Collected By: Todd Whipple
Collection Date: 09/17/2025 11:59

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Bromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Chloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Acetone	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Chloroform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Benzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Dibromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Toluene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Xylenes, total	<2.0	2.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Styrene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Bromoform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-24
Sample Matrix: Aqueous
Lab Sample ID: 111519-08

Collected By: Todd Whipple
Collection Date: 09/17/2025 11:59

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1525	RAF
Surrogate: Dibromofluoromethane	94.8	Limit: 57-128	% Rec		09/23/25 0000	09/23/25 1525	RAF
Surrogate: Dibromofluoromethane	94.8	Limit: 75-136	% Rec		09/23/25 0000	09/23/25 1525	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 49-135	% Rec		09/23/25 0000	09/23/25 1525	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 61-142	% Rec		09/23/25 0000	09/23/25 1525	RAF
Surrogate: Toluene-d8	100	Limit: 82-121	% Rec		09/23/25 0000	09/23/25 1525	RAF
Surrogate: Toluene-d8	100	Limit: 82-116	% Rec		09/23/25 0000	09/23/25 1525	RAF
Surrogate: 4-Bromofluorobenzene	92.0	Limit: 77-114	% Rec		09/23/25 0000	09/23/25 1525	RAF
Surrogate: 4-Bromofluorobenzene	92.0	Limit: 80-116	% Rec		09/23/25 0000	09/23/25 1525	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1842	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1842	JAR
Barium, total	0.698	0.0010	mg/L		09/18/25 1537	09/23/25 1842	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1842	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1537	09/23/25 1842	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1842	JAR
Cobalt, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1842	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1842	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1842	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1842	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1842	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1842	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1842	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1842	JAR
Zinc, total	0.0062	0.0050	mg/L		09/18/25 1537	09/23/25 1842	JAR

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-25
Sample Matrix: Aqueous
Lab Sample ID: 111519-09

Collected By: Todd Whipple
Collection Date: 09/17/2025 8:51

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Bromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Chloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Acetone	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Chloroform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Benzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Dibromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Toluene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Xylenes, total	<2.0	2.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Styrene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Bromoform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-25
Sample Matrix: Aqueous
Lab Sample ID: 111519-09

Collected By: Todd Whipple
Collection Date: 09/17/2025 8:51

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1548	RAF
Surrogate: Dibromofluoromethane	94.8	Limit: 57-128	% Rec		09/23/25 0000	09/23/25 1548	RAF
Surrogate: Dibromofluoromethane	94.8	Limit: 75-136	% Rec		09/23/25 0000	09/23/25 1548	RAF
Surrogate: 1,2-Dichloroethane-d4	92.6	Limit: 49-135	% Rec		09/23/25 0000	09/23/25 1548	RAF
Surrogate: 1,2-Dichloroethane-d4	92.6	Limit: 61-142	% Rec		09/23/25 0000	09/23/25 1548	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		09/23/25 0000	09/23/25 1548	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		09/23/25 0000	09/23/25 1548	RAF
Surrogate: 4-Bromofluorobenzene	94.8	Limit: 77-114	% Rec		09/23/25 0000	09/23/25 1548	RAF
Surrogate: 4-Bromofluorobenzene	94.8	Limit: 80-116	% Rec		09/23/25 0000	09/23/25 1548	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1844	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1844	JAR
Barium, total	0.301	0.0010	mg/L		09/18/25 1537	09/23/25 1844	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1844	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1537	09/23/25 1844	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1844	JAR
Cobalt, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1844	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1844	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1844	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1844	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1844	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1844	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1844	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1844	JAR
Zinc, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1844	JAR

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: Duplicate
Sample Matrix: Aqueous
Lab Sample ID: 111519-10

Collected By: Todd Whipple
Collection Date: 09/17/2025

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1847	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1847	JAR
Barium, total	0.301	0.0010	mg/L		09/18/25 1537	09/23/25 1847	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1847	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1537	09/23/25 1847	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1847	JAR
Cobalt, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1847	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1847	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1847	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1847	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1847	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1847	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1847	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1847	JAR
Zinc, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1847	JAR

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-21
Sample Matrix: Aqueous
Lab Sample ID: 111519-11

Collected By: Todd Whipple
Collection Date: 09/17/2025 9:30

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Dichlorodifluoromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Chloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Bromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Chloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Acetone	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
1,1-Dichloroethane	2.4	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Chloroform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Benzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Dibromomethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Toluene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Xylenes, total	<2.0	2.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Styrene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: MW-21
Sample Matrix: Aqueous
Lab Sample ID: 111519-11

Collected By: Todd Whipple
Collection Date: 09/17/2025 9:30

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bromoform	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/23/25 0000	09/23/25 1611	RAF
Surrogate: Dibromofluoromethane	91.5	Limit: 75-136	% Rec		09/23/25 0000	09/23/25 1611	RAF
Surrogate: Dibromofluoromethane	91.5	Limit: 57-128	% Rec		09/23/25 0000	09/23/25 1611	RAF
Surrogate: 1,2-Dichloroethane-d4	95.4	Limit: 49-135	% Rec		09/23/25 0000	09/23/25 1611	RAF
Surrogate: 1,2-Dichloroethane-d4	95.4	Limit: 61-142	% Rec		09/23/25 0000	09/23/25 1611	RAF
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec		09/23/25 0000	09/23/25 1611	RAF
Surrogate: Toluene-d8	104	Limit: 82-116	% Rec		09/23/25 0000	09/23/25 1611	RAF
Surrogate: 4-Bromofluorobenzene	91.3	Limit: 80-116	% Rec		09/23/25 0000	09/23/25 1611	RAF
Surrogate: 4-Bromofluorobenzene	91.3	Limit: 77-114	% Rec		09/23/25 0000	09/23/25 1611	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1849	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1849	JAR
Barium, total	0.192	0.0010	mg/L		09/18/25 1537	09/23/25 1849	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1849	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1537	09/23/25 1849	JAR
Chromium, total	0.0030	0.0010	mg/L		09/18/25 1537	09/23/25 1849	JAR
Cobalt, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1849	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1849	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1537	09/23/25 1849	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1849	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1849	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1537	09/23/25 1849	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1537	09/23/25 1849	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1537	09/23/25 1849	JAR
Zinc, total	0.0233	0.0050	mg/L		09/18/25 1537	09/23/25 1849	JAR

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CERTIFICATE OF ANALYSIS

111519

Client Sample ID: Sump-3
Sample Matrix: Aqueous
Lab Sample ID: 111519-12

Collected By: Todd Whipple
Collection Date: 09/17/2025 11:42

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA RSK-175							
Methane	2360	50.0	ug/L	D3	09/24/25 1155	09/24/25 1827	KJB
Ethene	<5.00	5.00	ug/L		09/23/25 1210	09/23/25 1622	KJB
Ethane	<5.00	5.00	ug/L		09/23/25 1210	09/23/25 1622	KJB

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Arsenic, total	0.0051	0.0020	mg/L		09/18/25 1537	09/23/25 1857	JAR
Cobalt, total	0.0044	0.0005	mg/L		09/18/25 1537	09/23/25 1857	JAR
Nickel, total	0.0454	0.0050	mg/L		09/18/25 1537	09/23/25 1857	JAR



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1II1519

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1II1140	1II1140-BLK1	
		1II1140-BS1	
		1II1519-01	MW-11 (b)
		1II1140-MS1	1II1519-01
		1II1140-MSD1	1II1519-01
		1II1140-PS1	1II1519-01
		1II1519-02	MW-20 (b)
		1II1519-03	MW-5
		1II1519-04	MW-6
		1II1519-05	MW-7
		1II1519-06	MW-8
		1II1519-07	MW-23
		1II1519-08	MW-24
		1II1519-09	MW-25
		1II1519-10	Duplicate
EPA 8260D	1II1380	1II1519-11	MW-21
		1II1519-12	Sump-3
		1II1380-BLK1	
		1II1380-BS1	
		1II1380-BSD1	
		1II1519-01	MW-11 (b)
		1II1519-02	MW-20 (b)
		1II1519-03	MW-5
		1II1519-04	MW-6
		1II1519-05	MW-7
		1II1519-06	MW-8
		1II1519-07	MW-23
		1II1519-08	MW-24
		1II1519-09	MW-25
		1II1519-11	MW-21
		1II1380-MS1	1II1519-01
		1II1380-MSD1	1II1519-01
EPA 6020A	1II1537	1II1537-BLK1	
		1II1537-BS1	
		1II1537-MS1	1II1940-02
		1II1537-MSD1	1II1940-02
		1II1537-PS1	1II1940-02
EPA RSK-175	B5I1198	1II1537-PS1	1II1940-02
		B5I1198-BLK1	
		B5I1198-BS1	
		1II1519-04	MW-6
		1II1519-06	MW-8
		1II1519-05	MW-7
		1II1519-07	MW-23
		1II1519-12	Sump-3
		B5I1198-BSD1	



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

111519

Method	Batch	Laboratory ID	Client / Source ID
EPA RSK-175	B511297	B511297-BLK1 B511297-BS1 B511297-BSD1 111519-06RE1 111519-12RE1	MW-8 Sump-3

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 111380 - EPA 5030B - EPA 8260D										

Blank (111380-BLK1)

Prepared: 09/23/25 00:00 Analyzed: 09/23/25 11:14

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	<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

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CERTIFICATE OF ANALYSIS

11I1519

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1380 - EPA 5030B - EPA 8260D										
Blank (11I1380-BLK1)										
Prepared: 09/23/25 00:00 Analyzed: 09/23/25 11:14										
1,2-Dibromoethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							
Surrogate: Dibromofluoromethane	46.2		ug/L	50.2		92.0	57-128			
Surrogate: Dibromofluoromethane	46.2		ug/L	50.2		92.0	75-136			
Surrogate: 1,2-Dichloroethane-d4	48.1		ug/L	50.4		95.5	49-135			
Surrogate: 1,2-Dichloroethane-d4	48.1		ug/L	50.4		95.5	61-142			
Surrogate: Toluene-d8	50.5		ug/L	50.5		100	82-116			
Surrogate: Toluene-d8	50.5		ug/L	50.5		100	82-121			
Surrogate: 4-Bromofluorobenzene	44.1		ug/L	50.2		87.9	77-114			
Surrogate: 4-Bromofluorobenzene	44.1		ug/L	50.2		87.9	80-116			
LCS (11I1380-BS1)										
Prepared: 09/23/25 00:00 Analyzed: 09/23/25 11:37										
Dichlorodifluoromethane	41.63	1.0	ug/L	30.3		137	55-141			
Chloromethane	35.85	1.0	ug/L	30.3		118	63-155			
Vinyl Chloride	39.62	1.0	ug/L	30.2		131	70-154			
Bromomethane	18.47	1.0	ug/L	30.1		61.3	52-176			
Chloroethane	22.05	1.0	ug/L	30.3		72.7	72-148			
Trichlorofluoromethane	30.23	1.0	ug/L	30.3		99.7	70-152			
1,1-Dichloroethylene	54.17	1.0	ug/L	50.1		108	70-148			
Acetone	79.58	10.0	ug/L	100		79.6	43-172			
Methyl Iodide	123.5	1.0	ug/L	100		123	69-170			
Carbon Disulfide	105.9	1.0	ug/L	100		106	72-162			
Methylene Chloride	49.03	5.0	ug/L	50.1		97.9	68-142			
Acrylonitrile	88.69	5.0	ug/L	50.4		176	33-163			Q2
trans-1,2-Dichloroethylene	49.72	1.0	ug/L	50.1		99.3	66-148			
1,1-Dichloroethane	50.69	1.0	ug/L	50.1		101	66-143			
Vinyl Acetate	67.03	5.0	ug/L	50.0		134	43-153			
cis-1,2-Dichloroethylene	48.28	1.0	ug/L	50.4		95.9	71-149			
2-Butanone (MEK)	92.27	10.0	ug/L	100		92.3	52-159			
Bromochloromethane	50.28	1.0	ug/L	50.4		99.8	69-143			
Chloroform	48.85	1.0	ug/L	50.1		97.5	69-144			
1,1,1-Trichloroethane	50.88	1.0	ug/L	50.1		102	62-129			
Carbon Tetrachloride	45.21	1.0	ug/L	50.1		90.3	63-141			

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CERTIFICATE OF ANALYSIS

11I1519

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1380 - EPA 5030B - EPA 8260D										
LCS (11I1380-BS1)										
Prepared: 09/23/25 00:00 Analyzed: 09/23/25 11:37										
Benzene	52.47	1.0	ug/L	50.4		104	71-134			
1,2-Dichloroethane	49.99	1.0	ug/L	50.1		99.8	72-132			
Trichloroethylene	54.79	1.0	ug/L	50.1		109	71-135			
1,2-Dichloropropane	52.66	1.0	ug/L	50.1		105	69-136			
Dibromomethane	51.00	1.0	ug/L	50.4		101	73-147			
Bromodichloromethane	52.08	1.0	ug/L	50.1		104	68-129			
cis-1,3-Dichloropropene	56.56	1.0	ug/L	50.1		113	65-134			
4-Methyl-2-pentanone (MIBK)	101.9	5.0	ug/L	100		102	58-147			
Toluene	51.97	1.0	ug/L	50.5		103	72-133			
trans-1,3-Dichloropropene	57.38	1.0	ug/L	50.1		115	67-130			
1,1,2-Trichloroethane	49.41	1.0	ug/L	50.1		98.6	69-135			
Tetrachloroethylene	56.60	1.0	ug/L	50.1		113	69-130			
2-Hexanone (MBK)	96.83	5.0	ug/L	100		96.8	55-144			
Dibromochloromethane	51.70	1.0	ug/L	50.1		103	73-127			
1,2-Dibromoethane	54.57	1.0	ug/L	50.2		109	67-132			
Chlorobenzene	53.47	1.0	ug/L	50.1		107	72-123			
1,1,1,2-Tetrachloroethane	53.42	1.0	ug/L	50.3		106	73-127			
Ethylbenzene	54.74	1.0	ug/L	50.2		109	71-127			
Xylenes, total	162.6	2.0	ug/L	151		108	74-127			
Styrene	55.72	1.0	ug/L	50.4		111	66-126			
Bromoform	59.29	1.0	ug/L	50.1		118	68-130			
1,2,3-Trichloropropane	53.83	1.0	ug/L	50.3		107	63-136			
trans-1,4-Dichloro-2-butene	113.8	5.0	ug/L	100		114	54-134			
1,1,2,2-Tetrachloroethane	46.76	1.0	ug/L	50.1		93.3	61-131			
1,4-Dichlorobenzene	48.91	1.0	ug/L	50.1		97.6	70-129			
1,2-Dichlorobenzene	52.66	1.0	ug/L	50.1		105	69-126			
1,2-Dibromo-3-chloropropane	50.20	5.0	ug/L	50.1		100	50-143			
Surrogate: Dibromofluoromethane	49.2		ug/L	50.2		98.0	57-128			
Surrogate: Dibromofluoromethane	49.2		ug/L	50.2		98.0	75-136			
Surrogate: 1,2-Dichloroethane-d4	49.8		ug/L	50.4		98.9	49-135			
Surrogate: 1,2-Dichloroethane-d4	49.8		ug/L	50.4		98.9	61-142			
Surrogate: Toluene-d8	52.3		ug/L	50.5		104	82-116			
Surrogate: Toluene-d8	52.3		ug/L	50.5		104	82-121			
Surrogate: 4-Bromofluorobenzene	50.6		ug/L	50.2		101	77-114			
Surrogate: 4-Bromofluorobenzene	50.6		ug/L	50.2		101	80-116			
LCS Dup (11I1380-BSD1)										
Prepared: 09/23/25 00:00 Analyzed: 09/23/25 12:00										
Dichlorodifluoromethane	39.25	1.0	ug/L	30.3		130	55-141	5.89	24	
Chloromethane	35.45	1.0	ug/L	30.3		117	63-155	1.12	24	
Vinyl Chloride	36.53	1.0	ug/L	30.2		121	70-154	8.12	25	
Bromomethane	17.87	1.0	ug/L	30.1		59.3	52-176	3.30	27	
Chloroethane	20.95	1.0	ug/L	30.3		69.1	72-148	5.12	25	Q3
Trichlorofluoromethane	28.92	1.0	ug/L	30.3		95.4	70-152	4.43	26	
1,1-Dichloroethylene	50.11	1.0	ug/L	50.1		100	70-148	7.79	24	

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CERTIFICATE OF ANALYSIS

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1111380 - EPA 5030B - EPA 8260D										
LCS Dup (1111380-BSD1)				Prepared: 09/23/25 00:00 Analyzed: 09/23/25 12:00						
Acetone	86.67	10.0	ug/L	100		86.7	43-172	8.53	30	
Methyl Iodide	116.2	1.0	ug/L	100		116	69-170	6.11	30	
Carbon Disulfide	98.87	1.0	ug/L	100		98.9	72-162	6.88	24	
Methylene Chloride	47.29	5.0	ug/L	50.1		94.4	68-142	3.61	21	
Acrylonitrile	90.50	5.0	ug/L	50.4		180	33-163	2.02	28	Q2
trans-1,2-Dichloroethylene	46.85	1.0	ug/L	50.1		93.5	66-148	5.94	27	
1,1-Dichloroethane	47.34	1.0	ug/L	50.1		94.5	66-143	6.83	24	
Vinyl Acetate	66.47	5.0	ug/L	50.0		133	43-153	0.839	30	
cis-1,2-Dichloroethylene	46.08	1.0	ug/L	50.4		91.5	71-149	4.66	26	
2-Butanone (MEK)	100.7	10.0	ug/L	100		101	52-159	8.73	27	
Bromochloromethane	49.02	1.0	ug/L	50.4		97.3	69-143	2.54	23	
Chloroform	46.10	1.0	ug/L	50.1		92.0	69-144	5.79	23	
1,1,1-Trichloroethane	46.93	1.0	ug/L	50.1		93.6	62-129	8.08	24	
Carbon Tetrachloride	41.83	1.0	ug/L	50.1		83.5	63-141	7.77	25	
Benzene	49.41	1.0	ug/L	50.4		98.0	71-134	6.01	24	
1,2-Dichloroethane	49.70	1.0	ug/L	50.1		99.2	72-132	0.582	24	
Trichloroethylene	51.99	1.0	ug/L	50.1		104	71-135	5.24	24	
1,2-Dichloropropane	50.45	1.0	ug/L	50.1		101	69-136	4.29	24	
Dibromomethane	49.52	1.0	ug/L	50.4		98.3	73-147	2.94	25	
Bromodichloromethane	50.05	1.0	ug/L	50.1		99.9	68-129	3.98	22	
cis-1,3-Dichloropropene	54.65	1.0	ug/L	50.1		109	65-134	3.43	23	
4-Methyl-2-pentanone (MIBK)	103.3	5.0	ug/L	100		103	58-147	1.31	27	
Toluene	49.06	1.0	ug/L	50.5		97.2	72-133	5.76	24	
trans-1,3-Dichloropropene	55.87	1.0	ug/L	50.1		112	67-130	2.67	24	
1,1,2-Trichloroethane	46.93	1.0	ug/L	50.1		93.7	69-135	5.15	23	
Tetrachloroethylene	54.24	1.0	ug/L	50.1		108	69-130	4.26	25	
2-Hexanone (MBK)	95.29	5.0	ug/L	100		95.3	55-144	1.60	25	
Dibromochloromethane	51.20	1.0	ug/L	50.1		102	73-127	0.972	22	
1,2-Dibromoethane	52.15	1.0	ug/L	50.2		104	67-132	4.54	24	
Chlorobenzene	50.41	1.0	ug/L	50.1		101	72-123	5.89	23	
1,1,1,2-Tetrachloroethane	53.72	1.0	ug/L	50.3		107	73-127	0.560	24	
Ethylbenzene	52.01	1.0	ug/L	50.2		104	71-127	5.11	26	
Xylenes, total	153.0	2.0	ug/L	151		101	74-127	6.10	25	
Styrene	54.12	1.0	ug/L	50.4		107	66-126	2.91	23	
Bromoform	58.48	1.0	ug/L	50.1		117	68-130	1.38	23	
1,2,3-Trichloropropane	53.23	1.0	ug/L	50.3		106	63-136	1.12	24	
trans-1,4-Dichloro-2-butene	122.3	5.0	ug/L	100		122	54-134	7.24	27	
1,1,2,2-Tetrachloroethane	48.02	1.0	ug/L	50.1		95.8	61-131	2.66	29	
1,4-Dichlorobenzene	46.83	1.0	ug/L	50.1		93.4	70-129	4.35	24	
1,2-Dichlorobenzene	50.51	1.0	ug/L	50.1		101	69-126	4.17	26	
1,2-Dibromo-3-chloropropane	54.80	5.0	ug/L	50.1		109	50-143	8.76	30	
Surrogate: Dibromofluoromethane	47.6		ug/L	50.2		94.8	57-128			

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CERTIFICATE OF ANALYSIS

11I1519

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1380 - EPA 5030B - EPA 8260D									
LCS Dup (11I1380-BSD1)									
Prepared: 09/23/25 00:00 Analyzed: 09/23/25 12:00									
Surrogate: Dibromofluoromethane	47.6		ug/L	50.2		94.8 75-136			
Surrogate: 1,2-Dichloroethane-d4	47.8		ug/L	50.4		94.8 49-135			
Surrogate: 1,2-Dichloroethane-d4	47.8		ug/L	50.4		94.8 61-142			
Surrogate: Toluene-d8	52.0		ug/L	50.5		103 82-116			
Surrogate: Toluene-d8	52.0		ug/L	50.5		103 82-121			
Surrogate: 4-Bromofluorobenzene	51.5		ug/L	50.2		103 77-114			
Surrogate: 4-Bromofluorobenzene	51.5		ug/L	50.2		103 80-116			
Matrix Spike (11I1380-MS1)									
Source: 11I1519-01									
Prepared: 09/23/25 00:00 Analyzed: 09/23/25 20:23									
Dichlorodifluoromethane	379.7	10.0	ug/L	303	ND	125 58-130			
Chloromethane	341.1	10.0	ug/L	303	ND	112 61-152			
Vinyl Chloride	344.8	10.0	ug/L	302	ND	114 66-149			
Bromomethane	188.7	10.0	ug/L	301	ND	62.6 43-171			
Chloroethane	216.5	10.0	ug/L	303	ND	71.4 69-148			
Trichlorofluoromethane	291.5	10.0	ug/L	303	ND	96.2 62-163			
1,1-Dichloroethylene	521.6	10.0	ug/L	501	ND	104 70-148			
Acetone	997.3	100	ug/L	1000	ND	99.7 45-173			
Methyl Iodide	1086	10.0	ug/L	1000	ND	109 62-167			
Carbon Disulfide	999.1	10.0	ug/L	1000	ND	99.9 71-163			
Methylene Chloride	478.5	50.0	ug/L	501	ND	95.5 69-140			
Acrylonitrile	889.3	50.0	ug/L	504	ND	177 32-159			M1
trans-1,2-Dichloroethylene	463.2	10.0	ug/L	501	ND	92.5 69-144			
1,1-Dichloroethane	498.4	10.0	ug/L	501	ND	99.5 70-138			
Vinyl Acetate	669.0	50.0	ug/L	500	ND	134 58-142			
cis-1,2-Dichloroethylene	456.3	10.0	ug/L	504	ND	90.6 68-151			
2-Butanone (MEK)	1062	100	ug/L	1000	ND	106 50-160			
Bromochloromethane	505.1	10.0	ug/L	504	ND	100 65-143			
Chloroform	473.0	10.0	ug/L	501	ND	94.4 71-143			
1,1,1-Trichloroethane	485.0	10.0	ug/L	501	ND	96.8 63-133			
Carbon Tetrachloride	434.5	10.0	ug/L	501	ND	86.7 63-142			
Benzene	498.7	10.0	ug/L	504	ND	98.9 69-133			
1,2-Dichloroethane	526.4	10.0	ug/L	501	ND	105 63-138			
Trichloroethylene	520.8	10.0	ug/L	501	ND	104 71-133			
1,2-Dichloropropane	515.5	10.0	ug/L	501	ND	103 69-132			
Dibromomethane	494.6	10.0	ug/L	504	ND	98.2 70-147			
Bromodichloromethane	507.2	10.0	ug/L	501	ND	101 67-130			
cis-1,3-Dichloropropene	541.7	10.0	ug/L	501	ND	108 61-126			
4-Methyl-2-pentanone (MIBK)	1045	50.0	ug/L	1000	ND	104 55-147			
Toluene	492.5	10.0	ug/L	505	ND	97.6 71-133			
trans-1,3-Dichloropropene	553.1	10.0	ug/L	501	ND	110 63-124			
1,1,2-Trichloroethane	493.1	10.0	ug/L	501	ND	98.4 69-133			
Tetrachloroethylene	564.2	10.0	ug/L	501	ND	113 70-124			
2-Hexanone (MBK)	1030	50.0	ug/L	1000	ND	103 53-141			
Dibromochloromethane	510.7	10.0	ug/L	501	ND	102 74-122			

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CERTIFICATE OF ANALYSIS

11I1519

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1380 - EPA 5030B - EPA 8260D										
Matrix Spike (11I1380-MS1)	Source: 11I1519-01			Prepared: 09/23/25 00:00 Analyzed: 09/23/25 20:23						
1,2-Dibromoethane	514.5	10.0	ug/L	502	ND	102	66-127			
Chlorobenzene	512.1	10.0	ug/L	501	ND	102	76-116			
1,1,1,2-Tetrachloroethane	526.2	10.0	ug/L	503	ND	105	77-121			
Ethylbenzene	500.7	10.0	ug/L	502	ND	99.8	73-124			
Xylenes, total	1535	20.0	ug/L	1510	ND	102	75-123			
Styrene	532.6	10.0	ug/L	504	ND	106	70-120			
Bromoform	577.6	10.0	ug/L	501	ND	115	70-124			
1,2,3-Trichloropropane	510.9	10.0	ug/L	503	ND	101	62-135			
trans-1,4-Dichloro-2-butene	1071	50.0	ug/L	1000	ND	107	50-120			
1,1,2,2-Tetrachloroethane	466.8	10.0	ug/L	501	ND	93.2	63-126			
1,4-Dichlorobenzene	474.1	10.0	ug/L	501	ND	94.6	72-119			
1,2-Dichlorobenzene	508.4	10.0	ug/L	501	ND	101	71-117			
1,2-Dibromo-3-chloropropane	513.8	50.0	ug/L	501	ND	102	49-134			
Surrogate: Dibromofluoromethane	498		ug/L	502		99.3	57-128			
Surrogate: Dibromofluoromethane	498		ug/L	502		99.3	75-136			
Surrogate: 1,2-Dichloroethane-d4	497		ug/L	504		98.7	49-135			
Surrogate: 1,2-Dichloroethane-d4	497		ug/L	504		98.7	61-142			
Surrogate: Toluene-d8	508		ug/L	505		101	82-116			
Surrogate: Toluene-d8	508		ug/L	505		101	82-121			
Surrogate: 4-Bromofluorobenzene	494		ug/L	502		98.5	77-114			
Surrogate: 4-Bromofluorobenzene	494		ug/L	502		98.5	80-116			
Matrix Spike Dup (11I1380-MSD1)	Source: 11I1519-01			Prepared: 09/23/25 00:00 Analyzed: 09/23/25 20:46						
Dichlorodifluoromethane	394.5	10.0	ug/L	303	ND	130	58-130	3.82	30	
Chloromethane	349.7	10.0	ug/L	303	ND	115	61-152	2.49	26	
Vinyl Chloride	336.1	10.0	ug/L	302	ND	111	66-149	2.56	23	
Bromomethane	192.4	10.0	ug/L	301	ND	63.9	43-171	1.94	29	
Chloroethane	219.6	10.0	ug/L	303	ND	72.4	69-148	1.42	25	
Trichlorofluoromethane	290.5	10.0	ug/L	303	ND	95.9	62-163	0.344	25	
1,1-Dichloroethylene	504.1	10.0	ug/L	501	ND	101	70-148	3.41	22	
Acetone	940.4	100	ug/L	1000	ND	94.0	45-173	5.87	30	
Methyl Iodide	1085	10.0	ug/L	1000	ND	109	62-167	0.0461	24	
Carbon Disulfide	990.4	10.0	ug/L	1000	ND	99.0	71-163	0.875	22	
Methylene Chloride	455.6	50.0	ug/L	501	ND	90.9	69-140	4.90	19	
Acrylonitrile	878.2	50.0	ug/L	504	ND	174	32-159	1.26	30	M1
trans-1,2-Dichloroethylene	472.4	10.0	ug/L	501	ND	94.3	69-144	1.97	22	
1,1-Dichloroethane	490.7	10.0	ug/L	501	ND	97.9	70-138	1.56	20	
Vinyl Acetate	666.1	50.0	ug/L	500	ND	133	58-142	0.434	24	
cis-1,2-Dichloroethylene	456.8	10.0	ug/L	504	ND	90.7	68-151	0.110	22	
2-Butanone (MEK)	1025	100	ug/L	1000	ND	103	50-160	3.47	23	
Bromochloromethane	481.7	10.0	ug/L	504	ND	95.6	65-143	4.74	22	
Chloroform	468.4	10.0	ug/L	501	ND	93.5	71-143	0.977	21	
1,1,1-Trichloroethane	479.5	10.0	ug/L	501	ND	95.7	63-133	1.14	23	
Carbon Tetrachloride	433.2	10.0	ug/L	501	ND	86.5	63-142	0.300	22	

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1380 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11I1380-MSD1)	Source: 11I1519-01			Prepared: 09/23/25 00:00 Analyzed: 09/23/25 20:46						
Benzene	497.5	10.0	ug/L	504	ND	98.6	69-133	0.241	18	
1,2-Dichloroethane	503.9	10.0	ug/L	501	ND	101	63-138	4.37	20	
Trichloroethylene	514.9	10.0	ug/L	501	ND	103	71-133	1.14	23	
1,2-Dichloropropane	501.7	10.0	ug/L	501	ND	100	69-132	2.71	20	
Dibromomethane	482.4	10.0	ug/L	504	ND	95.8	70-147	2.50	22	
Bromodichloromethane	507.0	10.0	ug/L	501	ND	101	67-130	0.0394	21	
cis-1,3-Dichloropropene	544.9	10.0	ug/L	501	ND	109	61-126	0.589	21	
4-Methyl-2-pentanone (MIBK)	1049	50.0	ug/L	1000	ND	105	55-147	0.439	23	
Toluene	485.7	10.0	ug/L	505	ND	96.2	71-133	1.39	19	
trans-1,3-Dichloropropene	548.0	10.0	ug/L	501	ND	109	63-124	0.926	21	
1,1,2-Trichloroethane	494.4	10.0	ug/L	501	ND	98.7	69-133	0.263	19	
Tetrachloroethylene	538.1	10.0	ug/L	501	ND	107	70-124	4.74	24	
2-Hexanone (MBK)	1012	50.0	ug/L	1000	ND	101	53-141	1.75	24	
Dibromochloromethane	505.9	10.0	ug/L	501	ND	101	74-122	0.944	21	
1,2-Dibromoethane	527.4	10.0	ug/L	502	ND	105	66-127	2.48	23	
Chlorobenzene	496.1	10.0	ug/L	501	ND	99.1	76-116	3.17	21	
1,1,1,2-Tetrachloroethane	515.3	10.0	ug/L	503	ND	102	77-121	2.09	25	
Ethylbenzene	489.8	10.0	ug/L	502	ND	97.6	73-124	2.20	20	
Xylenes, total	1498	20.0	ug/L	1510	ND	99.1	75-123	2.47	20	
Styrene	522.8	10.0	ug/L	504	ND	104	70-120	1.86	23	
Bromoform	571.3	10.0	ug/L	501	ND	114	70-124	1.10	22	
1,2,3-Trichloropropane	531.6	10.0	ug/L	503	ND	106	62-135	3.97	28	
trans-1,4-Dichloro-2-butene	1075	50.0	ug/L	1000	ND	107	50-120	0.392	26	
1,1,2,2-Tetrachloroethane	481.9	10.0	ug/L	501	ND	96.2	63-126	3.18	24	
1,4-Dichlorobenzene	462.3	10.0	ug/L	501	ND	92.2	72-119	2.52	24	
1,2-Dichlorobenzene	500.1	10.0	ug/L	501	ND	99.8	71-117	1.65	24	
1,2-Dibromo-3-chloropropane	542.5	50.0	ug/L	501	ND	108	49-134	5.43	28	
Surrogate: Dibromofluoromethane	487		ug/L	502		97.1	57-128			
Surrogate: Dibromofluoromethane	487		ug/L	502		97.1	75-136			
Surrogate: 1,2-Dichloroethane-d4	495		ug/L	504		98.3	49-135			
Surrogate: 1,2-Dichloroethane-d4	495		ug/L	504		98.3	61-142			
Surrogate: Toluene-d8	514		ug/L	505		102	82-116			
Surrogate: Toluene-d8	514		ug/L	505		102	82-121			
Surrogate: 4-Bromofluorobenzene	499		ug/L	502		99.5	77-114			
Surrogate: 4-Bromofluorobenzene	499		ug/L	502		99.5	80-116			

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1140 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11I1140-BLK1)	Prepared: 09/18/25 15:37 Analyzed: 09/23/25 18:06									
Antimony, total	<0.0010	0.0010	mg/L							
Arsenic, total	<0.0020	0.0020	mg/L							
Barium, total	<0.0010	0.0010	mg/L							

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1140 - EPA 3005A Total Recoverable Metals - EPA 6020A									
Blank (11I1140-BLK1) Prepared: 09/18/25 15:37 Analyzed: 09/23/25 18:06									
Beryllium, total	<0.0005	0.0005	mg/L						
Cadmium, total	<0.0002	0.0002	mg/L						
Chromium, total	<0.0010	0.0010	mg/L						
Cobalt, total	<0.0005	0.0005	mg/L						
Copper, total	<0.0050	0.0050	mg/L						
Lead, total	<0.0010	0.0010	mg/L						
Nickel, total	<0.0050	0.0050	mg/L						
Selenium, total	<0.0020	0.0020	mg/L						
Silver, total	<0.0050	0.0050	mg/L						
Thallium, total	<0.0005	0.0005	mg/L						
Vanadium, total	<0.0020	0.0020	mg/L						
Zinc, total	<0.0050	0.0050	mg/L						B
LCS (11I1140-BS1) Prepared: 09/18/25 15:37 Analyzed: 09/23/25 18:09									
Antimony, total	0.0942	0.0010	mg/L	0.100		94.2	80-120		
Arsenic, total	0.0928	0.0020	mg/L	0.100		92.8	80-120		
Barium, total	0.101	0.0010	mg/L	0.100		101	80-120		
Beryllium, total	0.0955	0.0005	mg/L	0.100		95.5	80-120		
Cadmium, total	0.0935	0.0002	mg/L	0.100		93.5	80-120		
Chromium, total	0.0930	0.0010	mg/L	0.100		93.0	80-120		
Cobalt, total	0.0945	0.0005	mg/L	0.100		94.5	80-120		
Copper, total	0.0927	0.0050	mg/L	0.100		92.7	80-120		
Lead, total	0.0960	0.0010	mg/L	0.100		96.0	80-120		
Nickel, total	0.0917	0.0050	mg/L	0.100		91.7	80-120		
Selenium, total	0.0928	0.0020	mg/L	0.100		92.8	80-120		
Silver, total	0.0970	0.0050	mg/L	0.100		97.0	80-120		
Thallium, total	0.0978	0.0005	mg/L	0.100		97.8	80-120		
Vanadium, total	0.103	0.0020	mg/L	0.100		103	80-120		
Zinc, total	0.0974	0.0050	mg/L	0.100		97.4	80-120		
Matrix Spike (11I1140-MS1) Source: 11I1519-01 Prepared: 09/18/25 15:37 Analyzed: 09/23/25 18:14									
Antimony, total	0.0947	0.0010	mg/L	0.100	ND	94.7	75-125		
Arsenic, total	0.0941	0.0020	mg/L	0.100	ND	94.1	75-125		
Barium, total	0.206	0.0010	mg/L	0.100	0.114	92.8	75-125		
Beryllium, total	0.0951	0.0005	mg/L	0.100	ND	95.1	75-125		
Cadmium, total	0.0919	0.0002	mg/L	0.100	0.0002	91.7	75-125		
Chromium, total	0.0920	0.0010	mg/L	0.100	0.0025	89.5	75-125		
Cobalt, total	0.0887	0.0005	mg/L	0.100	0.00009	88.6	75-125		
Copper, total	0.0899	0.0050	mg/L	0.100	ND	89.9	75-125		
Lead, total	0.0965	0.0010	mg/L	0.100	ND	96.5	75-125		
Nickel, total	0.0903	0.0050	mg/L	0.100	0.0041	86.2	75-125		
Selenium, total	0.0940	0.0020	mg/L	0.100	ND	94.0	75-125		
Silver, total	0.0974	0.0050	mg/L	0.100	ND	97.4	75-125		
Thallium, total	0.0958	0.0005	mg/L	0.100	0.00007	95.7	75-125		
Vanadium, total	0.102	0.0020	mg/L	0.100	ND	102	75-125		

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1140 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike (11I1140-MS1)		Source: 11I1519-01		Prepared: 09/18/25 15:37 Analyzed: 09/23/25 18:14						
Zinc, total	0.102	0.0050	mg/L	0.100	0.0110	90.6	75-125			
Matrix Spike Dup (11I1140-MSD1)		Source: 11I1519-01		Prepared: 09/18/25 15:37 Analyzed: 09/23/25 18:16						
Antimony, total	0.0951	0.0010	mg/L	0.100	ND	95.1	75-125	0.459	20	
Arsenic, total	0.0933	0.0020	mg/L	0.100	ND	93.3	75-125	0.855	20	
Barium, total	0.209	0.0010	mg/L	0.100	0.114	95.1	75-125	1.13	20	
Beryllium, total	0.0959	0.0005	mg/L	0.100	ND	95.9	75-125	0.913	20	
Cadmium, total	0.0927	0.0002	mg/L	0.100	0.0002	92.5	75-125	0.924	20	
Chromium, total	0.0945	0.0010	mg/L	0.100	0.0025	92.0	75-125	2.62	20	
Cobalt, total	0.0910	0.0005	mg/L	0.100	0.00009	90.9	75-125	2.51	20	
Copper, total	0.0887	0.0050	mg/L	0.100	ND	88.7	75-125	1.36	20	
Lead, total	0.0965	0.0010	mg/L	0.100	ND	96.5	75-125	0.00725	20	
Nickel, total	0.0913	0.0050	mg/L	0.100	0.0041	87.2	75-125	1.08	20	
Selenium, total	0.0938	0.0020	mg/L	0.100	ND	93.8	75-125	0.164	20	
Silver, total	0.0962	0.0050	mg/L	0.100	ND	96.2	75-125	1.22	20	
Thallium, total	0.100	0.0005	mg/L	0.100	0.00007	99.9	75-125	4.30	20	
Vanadium, total	0.105	0.0020	mg/L	0.100	ND	105	75-125	2.78	20	
Zinc, total	0.101	0.0050	mg/L	0.100	0.0110	90.5	75-125	0.0562	20	
Post Spike (11I1140-PS1)		Source: 11I1519-01		Prepared: 09/18/25 15:37 Analyzed: 09/23/25 18:19						
Antimony, total	0.0198		mg/L	0.0200	0.0003	97.2	80-120			
Arsenic, total	0.0185		mg/L	0.0200	-0.00003	92.6	80-120			
Barium, total	0.131		mg/L	0.0200	0.114	86.8	80-120			
Beryllium, total	0.0193		mg/L	0.0200	0.00	96.6	80-120			
Cadmium, total	0.0185		mg/L	0.0200	0.0002	91.4	80-120			
Chromium, total	0.0210		mg/L	0.0200	0.0025	92.4	80-120			
Cobalt, total	0.0182		mg/L	0.0200	0.00009	90.6	80-120			
Copper, total	0.0185		mg/L	0.0200	0.0009	87.8	80-120			
Lead, total	0.0195		mg/L	0.0200	0.00009	96.8	80-120			
Nickel, total	0.0217		mg/L	0.0200	0.0041	87.9	80-120			
Selenium, total	0.0201		mg/L	0.0200	0.0009	95.9	80-120			
Silver, total	0.0195		mg/L	0.0200	0.0002	96.4	80-120			
Thallium, total	0.0190		mg/L	0.0200	0.00007	94.4	80-120			
Vanadium, total	0.0186		mg/L	0.0200	0.0002	92.2	80-120			
Zinc, total	0.0287		mg/L	0.0200	0.0110	88.7	80-120			
Batch 11I1537 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11I1537-BLK1)		Prepared: 09/25/25 16:32 Analyzed: 09/26/25 17:42								
Zinc, total	<0.0050	0.0050	mg/L							
LCS (11I1537-BS1)		Prepared: 09/25/25 16:32 Analyzed: 09/26/25 17:44								
Zinc, total	0.0983	0.0050	mg/L	0.100		98.3	80-120			
Matrix Spike (11I1537-MS1)		Source: 11I1940-02		Prepared: 09/25/25 16:32 Analyzed: 09/26/25 18:20						
Zinc, total	0.104	0.0050	mg/L	0.100	0.0105	93.2	75-125			
Matrix Spike Dup (11I1537-MSD1)		Source: 11I1940-02		Prepared: 09/25/25 16:32 Analyzed: 09/26/25 18:27						

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1II1519

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1II1537 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike Dup (1II1537-MSD1)		Source: 1II1940-02		Prepared: 09/25/25 16:32 Analyzed: 09/26/25 18:27						
Zinc, total	0.105	0.0050	mg/L	0.100	0.0105	94.3	75-125	1.04	20	
Post Spike (1II1537-PS1)		Source: 1II1940-02		Prepared: 09/25/25 16:32 Analyzed: 09/26/25 18:30						
Zinc, total	0.0287		mg/L	0.0200	0.0105	91.0	80-120			

Batch Quality Control Summary: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5I1198 - 5021 - EPA RSK-175										
Blank (B5I1198-BLK1)		Prepared: 09/23/25 12:10 Analyzed: 09/23/25 13:51								
Methane	<5.00	5.00	ug/L							
Ethene	<5.00	5.00	ug/L							
Ethane	<5.00	5.00	ug/L							
Propane	<5.00	5.00	ug/L							
n-Butane	<5.00	5.00	ug/L							
LCS (B5I1198-BS1)		Prepared: 09/23/25 12:10 Analyzed: 09/23/25 14:03								
Methane	102	5.00	ug/L	114.1884		89.3	85-115			
Ethene	187	5.00	ug/L	199.6873		93.5	85-115			
Ethane	200	5.00	ug/L	213.9965		93.4	85-115			
Propane	305	5.00	ug/L	313.9185		97.2	85-115			
n-Butane	407	5.00	ug/L	413.7764		98.4	85-115			
LCS Dup (B5I1198-BSD1)		Prepared: 09/23/25 12:10 Analyzed: 09/23/25 16:36								
Methane	132	5.00	ug/L	114.1884		115	85-115	25.4	40	
Ethene	204	5.00	ug/L	199.6873		102	85-115	8.83	40	
Ethane	221	5.00	ug/L	213.9965		103	85-115	9.93	40	
Propane	337	5.00	ug/L	313.9185		107	85-115	9.99	40	
n-Butane	453	5.00	ug/L	413.7764		109	85-115	10.7	40	

Batch B5I1297 - 5021 - EPA RSK-175

Blank (B5I1297-BLK1)		Prepared: 09/24/25 11:55 Analyzed: 09/24/25 16:38								
Methane	<5.00	5.00	ug/L							
Ethene	5.39	5.00	ug/L							B
Ethane	<5.00	5.00	ug/L							
Propane	<5.00	5.00	ug/L							
n-Butane	<5.00	5.00	ug/L							
Carbon dioxide	<10000	10000	ug/L							
LCS (B5I1297-BS1)		Prepared: 09/24/25 11:55 Analyzed: 09/24/25 17:06								
Methane	99.7	5.00	ug/L	114.1884		87.3	85-115			
Ethene	182	5.00	ug/L	199.6873		91.1	85-115			

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111519

Volatile Organic Compounds by GCMS	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch B511297 - 5021 - EPA RSK-175								
LCS (B511297-BS1)								
Prepared: 09/24/25 11:55 Analyzed: 09/24/25 17:06								
Ethane	195	5.00	ug/L	213.9965		91.0	85-115	
Propane	296	5.00	ug/L	313.9185		94.2	85-115	
n-Butane	400	5.00	ug/L	413.7764		96.6	85-115	
Carbon dioxide	28300	10000	ug/L	31330.62		90.3	53-130	

LCS Dup (B511297-BSD1)								
Prepared: 09/24/25 11:55 Analyzed: 09/24/25 17:18								
Methane	116	5.00	ug/L	114.1884		102	85-115	15.4 40
Ethene	206	5.00	ug/L	199.6873		103	85-115	12.2 40
Ethane	217	5.00	ug/L	213.9965		102	85-115	11.0 40
Propane	324	5.00	ug/L	313.9185		103	85-115	9.25 40
n-Butane	438	5.00	ug/L	413.7764		106	85-115	9.11 40
Carbon dioxide	30700	10000	ug/L	31330.62		98.0	53-130	8.15 40

Definitions

B:	The target analyte was detected in the blank at or above the method acceptance criteria.
D3:	Dilution was performed due to high target analyte concentration.
M1:	Matrix spike recovery is above acceptance limits.
Q2:	LCS recovery is above acceptance limits.
Q3:	LCS recovery is below acceptance limits. The reported value is estimated.
RL:	Reporting Limit
RPD:	Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 0.6°C

Cooler Inspection Checklist

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

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.

Reviewed and Approved By:

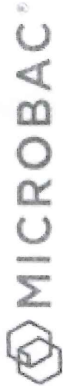
Heather Murphy

Customer Relationship Specialist
heather.murphy@microbac.com
10/02/25 10:20

CHAIN OF CUSTODY RECORD

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Newton, IA 50208
Phone: 641-792-8451

Page 1 of 2
Printed: 8/27/2025 4:42:23PM



SITE INFORMATION

Sampler: Todd Whipple

Project: Delaware Co. Landfill - New Regs
6039

REPORT TO

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

INVOICE TO

Erin Learn
Delaware County Solid Waste Commission
804 W 2nd St
Washington, IA 52353

SPECIAL INSTRUCTIONS

None

Turn Around Time

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



Temperature: 0.6 °C Vice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
01-001	MW-11 (b)	Aqueous	GRAB	9/17/25	8:37	7	Indfil-app1-metals-602hdfill-app1-voc-group	
02-001	MW-20 (b)	Aqueous	GRAB	9/17/25	9:11	7	Indfil-app1-metals-602hdfill-app1-voc-group	
03-001	MW-5	Aqueous	GRAB	9/17/25	10:07	7	Indfil-app1-metals-602hdfill-app1-voc-group	
04-001	MW-6	Aqueous	GRAB	9/17/25	10:23	10	Indfil-app1-metals-602hdfill-app1-voc-group permegas-rsk-175	
05-001	MW-7	Aqueous	GRAB	9/17/25	11:14	10	Indfil-app1-metals-602hdfill-app1-voc-group permegas-rsk-175	
06-001	MW-8	Aqueous	GRAB	9/17/25	11:00	10	Indfil-app1-metals-602hdfill-app1-voc-group permegas-rsk-175	
07-001	MW-23	Aqueous	GRAB	9/17/25	10:42	10	Indfil-app1-metals-602hdfill-app1-voc-group permegas-rsk-175	
08-001	MW-24	Aqueous	GRAB	9/17/25	11:59	7	Indfil-app1-metals-602hdfill-app1-voc-group	
09-001	MW-25	Aqueous	GRAB	9/17/25	8:51	7	Indfil-app1-metals-602hdfill-app1-voc-group	

Erin Learn 9/18/25

Relinquished By

Date/Time

Relinquished By

Date/Time

Remarks:

Received By

Date/Time

Received for Lab By

Date/Time



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

CHAIN OF CUSTODY RECORD

Page 2 of 2
Printed: 8/27/2025 4:42:23PM

SITE INFORMATION

Sampler: Todd Whipple

Project: Delaware Co. Landfill - New Regs
6039

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

Erin Learn
Delaware County Solid Waste Commission
804 W 2nd St
Washington, IA 52353

LAB USE ONLY



1 I I 1 5 1 9
HLW Engineering
PM: Heather Murphy

Temperature: 0.6 °C Vice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
10-001	Duplicate	Aqueous	GRAB	9/17/25	✓	1	Indfil-app1-metals-6028dfill-app1-voc-group	
11-001	MW-21	Aqueous	GRAB	9/17/25	9:30	7	Indfil-app1-metals-6028dfill-app1-voc-group 8260@dcdm	
12-001	Sump-1 <u>dry</u>	Aqueous	GRAB	—	—	0	as-t-6020 ni-t-6020 permgas-rsk-175	
13-001	Sump-2 <u>dry</u>	Aqueous	GRAB	—	—	0	as-t-6020 ni-t-6020 permgas-rsk-175	
14-001	Sump-3	Aqueous	GRAB	9/17/25	11:42	4	as-t-6020 ni-t-6020 permgas-rsk-175	

Erin Learn 9/18/25

Relinquished By _____ Date/Time _____

Relinquished By _____ Date/Time _____

Date/Time

D. Whipple 9-18-25 10:30

Received By _____ Date/Time _____

Received for Lab By _____ Date/Time _____

Date/Time

Remarks:

Appendix D

Field Turbidity Summary

Delaware County Sanitary Landfill

Field Turbidity Over Time

No-Purge Sampling

	4/21/15	9/8/15	2/25/16	9/6/16	10/12/16	3/1/17	6/15/17	9/5/17	12/5/17	3/2/18
Well	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	
5	5.33	0.29	1.53	1.04		1.21		4.03		1.37
6	7.02	15.32	0.90	4.34		5.47		2.22		1.90
7	8.12	0.26	1.49	3.80		23.70		7.38	9.47	1.21
8	4.20	0.65	1.70	1.13		2.21		7.59		0.87
11	6.62	0.09	0.94	4.80		2.84		0.40		1.71
20	6.41	4.81	5.43	1.55		4.05		1.57		9.07
21	5.96	0.30	1.15	0.46		1.05		0.39		863.0*
23	5.05	1.24	1.19	0.38		0.83		28.42		0.44
24					3.06	31.20	13.90	2.38		167.00
25					2.27	0.56		5.56		0.52
Max	8.12	15.32	5.43	4.80	3.06	31.20	13.90	28.42	9.47	
Min	2.13	0.09	0.87	0.38	2.27	0.56	13.90	0.20	9.47	
Median	5.92	0.54	1.34	1.34	2.67	2.06	13.90	2.30	9.47	
Average	5.67	2.40	1.75	2.00	2.67	6.34	13.90	5.05	9.47	

* Field error

Delaware

Field Turbic

No-Purge S

	4/10/18	9/4/18	3/27/19	9/7/19	3/30/20	9/1/20	3/3/21	9/10/21	3/4/22	9/2/22	3/21/23	9/26/23
Well	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>
5		0.79	4.44	2.81	7.49	1.01	5.99	1.51	4.72	2.25	2.46	
6		0.58	0.87	3.14	1.35	2.88	1.34	2.50	2.38	0.88	1.04	3.99
7	5.06	0.67	0.58	0.71	2.44	2.26	1.60	2.96	2.23	5.17	36.90	1.19
8		1.15	0.54	1.00	0.96	1.06	1.39	30.65	1.43	2.81	1.11	
11		1.25	0.42	2.07	1.08	0.90	0.44	4.22	0.61	0.93	0.76	1.27
20		2.95	1.12	0.90	1.42	6.25	1.27	1.74	9.93	1.33	1.83	
21	0.45						0.70	3.52	2.12	0.88	0.81	2.53
23		0.89	1.35	0.77	5.64	0.45	0.43	1.49	3.70	1.88	2.33	5.81
24		5.84	1.84	12.84	13.17	12.40	225.00	9.42	847.00	38.54	359.00	28.00
25	29.20	2.53	0.39	0.87	1.54	0.96	0.44	1.55	6.88	3.19	5.82	1.34
Max	29.20	5.84	4.44	12.84	13.17	12.40	225.00	30.65	847.00	38.54	359.00	28.00
Min	0.45	0.58	0.39	0.71	0.96	0.45	0.43	1.49	0.61	0.88	0.76	1.19
Median	5.06	1.20	0.76	1.16	1.56	1.66	1.34	2.50	3.70	1.88	1.83	2.53
Average	11.57	1.82	1.22	2.64	3.67	3.08	21.92	5.62	81.12	5.41	37.59	6.30

Delaware

Field Turbidity

No-Purge S

	3/1/24	9/11/24	3/17/25	7/14/25	9/17/25	Max	Min	Ave	Std Dev
<u>Well</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>				
5	5.86	2.66	1.84		1.59	7.49	0.29	2.87	2.04
6	2.26	4.64	4.65		6.84	15.32	0.58	3.48	3.26
7	13.50	2.37	12.80		2.02	36.90	0.26	6.16	8.54
8	14.60	4.72	3.35	3.53	1.69	30.65	0.54	4.02	6.73
11		0.45	1.78		1.20	6.62	0.09	1.66	1.67
20	2.08	1.32	1.90		2.41	9.93	0.90	3.30	2.68
21	3.17	2.19	1.09		1.72	5.96	0.30	1.68	1.48
23	2.84	5.28	3.35		5.06	28.42	0.38	3.58	5.86
24	161.00	17.50	579.00		21.25	847.00	1.84	127.47	225.46
25	1.65	2.16	1.47		0.47	29.20	0.39	3.47	6.34
Max	161.00	17.50	579.00	3.53	21.25				
Min	1.40	0.45	1.09	3.53	0.47				
Median	3.01	2.52	2.63	3.53	1.87				
Average	20.84	4.33	61.12	3.53	4.43				

Appendix E

Running Summary of Prediction Limit Exceedances

Spring 2014*		Fall 2014*	
	See Doc# 82297		See Doc# 82297

Spring 2015*		Fall 2015*	
MW-3	Barium	MW-3	Barium
	1,1-dichloroethane		1,1-dichloroethane
	1,2-dichloroethane		1,2-dichloroethane
	1,4-dichlorobenzene		1,4-dichlorobenzene
	cis-1,2-dichloroethylene		chlorobenzene
	dichlorodifluoromethane		cis-1,2-dichloroethylene
			dichlorodifluoromethane
			phorate
MW-5	Barium	MW-5	Barium
			1,1-dichloroethane
			1,4-dichlorobenzene
			chlorobenzene
MW-8	Barium	MW-8	Barium
	1,1-dichloroethane		1,1-dichloroethane
	chloroethane		
	cis-1,2-dichloroethylene		
	dichlorodifluoromethane		
MW-21	1,1-dichloroethane	MW-21	None
MW-22	1,1-dichloroethane	MW-22	1,1-dichloroethane
MW-23	tetrachloroethene	MW-23	tetrachloroethene

Spring 2016*		Fall 2016*	
MW-3	Barium	MW-3	Barium
	1,1-dichloroethane		1,1-dichloroethane
	1,2-dichloroethane		1,2-dichloroethane
	1,4-dichlorobenzene		1,4-dichlorobenzene
	cis-1,2-dichloroethylene		cis-1,2-dichloroethylene
	dichlorodifluoromethane		dichlorodifluoromethane
MW-5	Barium	MW-5	Barium
			1,1-dichloroethane
			1,4-dichlorobenzene
			chlorobenzene
MW-6	None	MW-6	Arsenic
			Bis (2-ethylhexyl) phthalate
MW-8	Barium	MW-8	Barium
	1,1-dichloroethane		1,1-dichloroethane
	chloroethane		cis-1,2-dichloroethylene
	cis-1,2-dichloroethylene		
MW-21	Zinc	MW-21	1,1-dichloroethane
	1,1-dichloroethane		dichlorodifluoromethane

MW-22	1,1-dichloroethane	MW-22	Barium
			1,1-dichloroethane
MW-23	tetrachloroethene	MW-23	tetrachloroethene
MW-24	None	MW-24*	Barium
			cis-1,2-dichloroethylene

Spring 2017*		Fall 2017	
MW-3	Barium	MW-3	Barium
	1,1-dichloroethane		Cobalt
	1,2-dichlorobenzene		1,1-dichloroethane
	1,2-dichloroethane		1,2-dichlorobenzene
	1,4-dichlorobenzene		1,2-dichloroethane
	chlorobenzene		1,4-dichlorobenzene
	cis-1,2-dichloroethylene		chlorobenzene
	dichlorodifluoromethane		cis-1,2-dichloroethylene
	TCE		dichlorodifluoromethane
	Vinyl chloride		Vinyl chloride
MW-5	Barium	MW-5	Barium
	chlorobenzene		Cobalt
			1,1-dichloroethane
			1,4-dichlorobenzene
			chlorobenzene
MW-6	None	MW-6	Arsenic
			Zinc
MW-7	None	MW-7	Barium
			Cobalt
MW-8	Barium	MW-8	Barium
	Cobalt		Cobalt
	1,1-dichloroethane		Nickel
	chloroethane		1,1-dichloroethane
	cis-1,2-dichloroethylene		chloroethane
			cis-1,2-dichloroethylene
MW-21	1,1-dichloroethane	MW-21	Zinc
	dichlorodifluoromethane		1,1-dichloroethane
			dichlorodifluoromethane
MW-22	1,1-dichloroethane	MW-22	Barium
			1,1-dichloroethane
MW-23	tetrachloroethene	MW-23	Chromium
			tetrachloroethene
MW-24	Barium	MW-24	Barium
	cis-1,2-dichloroethylene		

* Predates the use of background data collected exclusively by No-Purge methods.

Spring 2018		Fall 2018	
MW-3	Barium	MW-3	Barium
	Cobalt		Cobalt
	1,1-dichloroethane		Zinc
	1,2-dichloroethane		1,1-dichloroethane
	1,4-dichlorobenzene		1,2-dichloroethane
	chlorobenzene		1,4-dichlorobenzene
	cis-1,2-dichloroethylene		chlorobenzene
	dichlorodifluoromethane		cis-1,2-dichloroethylene
	trans-1,2-dichloroethylene		
MW-5	Barium	MW-5	Barium
	1,1-dichloroethane		Zinc
	chlorobenzene		1,1-dichloroethane
			1,4-dichlorobenzene
			chlorobenzene
MW-6	Arsenic	MW-6	Arsenic
MW-7	Barium	MW-7	Barium
	Cobalt		
MW-8	Arsenic	MW-8	Barium
	Barium		Nickel
	Cobalt		Zinc
	Nickel		1,1-dichloroethane
	1,1-dichloroethane		chloroethane
	chloroethane		cis-1,2-dichloroethylene
	cis-1,2-dichloroethylene		
	trans-1,2-dichloroethylene		
MW-23	tetrachloroethene	MW-23	tetrachloroethene
MW-24	Arsenic	MW-24	Arsenic
	Barium		Barium
	cis-1,2-dichloroethylene		Zinc
	trans-1,2-dichloroethylene		cis-1,2-dichloroethylene

Spring 2019		Fall 2019	
MW-3	Barium	MW-3	Barium
	Cobalt		Cobalt
	Zinc		Nickel
	1,1-dichloroethane		1,1-dichloroethane
	1,2-dichloroethane		1,4-dichlorobenzene
	chlorobenzene		cis-1,2-dichloroethylene
	cis-1,2-dichloroethylene		
	dichlorodifluoromethane		
MW-5	Barium	MW-5	Arsenic
	Zinc		Barium
	bis (2-ethylhexyl) phthalate		Cobalt
	chlorobenzene		Nickel
			1,4-dichlorobenzene
			chlorobenzene
MW-6	Arsenic	MW-6	Arsenic
MW-7	Barium	MW-7	Barium
MW-8	Barium	MW-8	Arsenic
	Nickel		Barium
	Zinc		Cobalt
	1,1-dichloroethane		Nickel
	bis (2-ethylhexyl) phthalate		1,1-dichloroethane
	chlorobenzene		
	cis-1,2-dichloroethylene		
MW-23	bis (2-ethylhexyl) phthalate	MW-23	tetrachloroethene
	tetrachloroethene		
MW-24	Arsenic	MW-24	Arsenic
	Barium		Barium
	cis-1,2-dichloroethylene		cis-1,2-dichloroethylene

Spring 2020		Fall 2020	
MW-3	Barium	MW-3	Barium
	Cobalt		Cadmium
	Nickel		Cobalt
	1,1-dichloroethane		Nickel
	cis-1,2-dichloroethylene		1,1-dichloroethane
			1,2-dichloroethane
			1,4-dichlorobenzene
			chlorobenzene
			chloroethane
			cis-1,2-dichloroethylene
MW-5	Barium	MW-5	Barium
			Cobalt
			1,4-dichlorobenzene
			chlorobenzene
MW-6	Arsenic	MW-6	Arsenic
	Barium		Barium
MW-7	Barium	MW-7	Barium
MW-8	Barium	MW-8	Arsenic
	Cobalt		Barium
	Nickel		Cobalt
	1,1-dichloroethane		Nickel
	chlorobenzene		1,1-dichloroethane
	cis-1,2-dichloroethylene		chloroethane
			cis-1,2-dichloroethylene
MW-23	tetrachloroethene	MW-23	tetrachloroethene
MW-24	Arsenic	MW-24	Arsenic
	Barium		Barium
	cis-1,2-dichloroethylene		cis-1,2-dichloroethylene
MW-25	Barium	MW-25	Barium

Spring 2021		Fall 2021	
MW-3	Barium	MW-3	Barium
	Cobalt		Cobalt
	1,1-dichloroethane		Nickel
	1,1-dichloroethane		1,1-dichloroethane
	1,2-dichlorobenzene		1,2-dichloroethane
	1,2-dichloroethane		1,4-dichlorobenzene
	1,4-dichlorobenzene		chlorobenzene
	chlorobenzene		cis-1,2-dichloroethylene
	chloroethane		
	cis-1,2-dichloroethylene		
MW-5	Barium	MW-5	Barium
	Cobalt		1,4-dichlorobenzene
	1,1-dichloroethane		chlorobenzene
	Benzene		
	chlorobenzene		
	chloroethane		
MW-6	Arsenic	MW-6	Arsenic
	Barium		
MW-7	Barium	MW-7	Barium
MW-8	Arsenic	MW-8	Arsenic
	Barium		Barium
	Cobalt		Cadmium
	Nickel		Cobalt
	1,1-dichloroethane		Nickel
	chloroethane		Zinc
	cis-1,2-dichloroethylene		1,1-dichloroethane
			chloroethane
			cis-1,2-dichloroethylene
MW-23	tetrachloroethene	MW-23	tetrachloroethene
MW-24	Arsenic	MW-24	Barium
	Barium		cis-1,2-dichloroethylene
	cis-1,2-dichloroethylene		
MW-25	Barium	MW-25	Barium
			1,1-dichloropropene
			Bis(2-ethylhexyl)phthalate

Spring 2022		Fall 2022	
MW-3	Barium	MW-3	Barium
	Cadmium		Cobalt
	Cobalt		Nickel
	Copper		1,1-dichloroethane
	Nickel		1,2-dichlorobenzene
	1,1-dichloroethane		1,4-dichlorobenzene
	1,2-dichlorobenzene		chlorobenzene
	1,2-dichloroethane		cis-1,2-dichloroethylene
	1,4-dichlorobenzene		ethylbenzene
	chlorobenzene		
	chloroethane		
	cis-1,2-dichloroethylene		
MW-5	Barium	MW-5	Barium
	chlorobenzene		Cobalt
			Nickel
			chlorobenzene
MW-6	Arsenic	MW-6	Arsenic
	Barium		Barium
MW-7	Barium	MW-7	Barium
MW-8	Arsenic	MW-8	Arsenic
	Barium		Barium
	Cobalt		Cobalt
	Nickel		Nickel
	1,1-dichloroethane		cis-1,2-dichloroethylene
	cis-1,2-dichloroethylene		
MW-23	tetrachloroethene	MW-23	Copper
MW-24	Arsenic	MW-24	Arsenic
	Barium		Barium
	cis-1,2-dichloroethylene		cis-1,2-dichloroethylene
MW-25	Barium	MW-25	Barium
	Copper		

Spring 2023		Fall 2023	
MW-5	Barium	MW-5	1,4-dichlorobenzene
	chlorobenzene		chlorobenzene
MW-6	Arsenic	MW-6	Arsenic
	Barium		Barium
MW-7	Barium	MW-7	Barium
	Cobalt		
	Copper		
MW-8	Arsenic	MW-8	Dry Well
	Barium		
	Cobalt		
	Nickel		
	1,1-dichloroethane		
	cis-1,2-dichloroethylene		
MW-21	None	MW-21	Zinc
			1,1-dichloroethane
MW-23	tetrachloroethene	MW-23	Nickel
MW-24	Arsenic	MW-24	Barium
	Barium		cis-1,2-dichloroethylene
	cis-1,2-dichloroethylene		
	dichlorodifluoromethane		
MW-25	Barium	MW-25	Barium

Spring 2024		Fall 2024	
MW-5	Barium	MW-5	Barium
	Cobalt		Nickel
	Copper		
	Nickel		
	Bis(2-ethylhexyl)phthalate		
MW-6	Arsenic	MW-6	Barium
	Barium		
MW-7	Barium	MW-7	Arsenic
			Barium
			Cobalt
			Copper
			Nickel
			Zinc
			cis-1,2-dichloroethylene
MW-8	Arsenic	MW-8	Barium
	Barium		Cobalt
	Cobalt		Zinc
	Nickel		
	1,1-dichloroethane		
	Bis(2-ethylhexyl)phthalate		
MW-21	Barium	MW-21	Zinc
	Zinc		1,1-dichloroethane
	1,1-dichloroethane		
	dichlorodifluoromethane		
MW-23	Nickel	MW-23	Nickel
MW-24	Arsenic	MW-24	Arsenic
	Barium		Barium
	cis-1,2-dichloroethylene		cis-1,2-dichloroethylene
MW-25	Barium	MW-25	Barium

Spring 2025		Fall 2025	
MW-5	Barium	MW-5	Barium
	Nickel		Nickel
	Chlorobenzene		Zinc
MW-6	Barium	MW-6	None
MW-7	Barium	MW-7	Barium
	Cobalt		
	Zinc		
MW-8	Arsenic	MW-8	Arsenic
	Barium		Barium
	Cobalt		Cobalt
	Nickel		Nickel
	cis-1,2-dichloroethylene		
MW-21	Zinc	MW-21	Zinc
	1,1-dichloroethane		1,1-dichloroethane
MW-23	Nickel	MW-23	Nickel
	cis-1,2-dichloroethylene		
MW-24	Arsenic	MW-24	Barium
	Barium		
	cis-1,2-dichloroethylene		
MW-25	Barium	MW-25	Barium

Appendix F

Assessment Monitoring Results & Events

(green highlights in the Tables identify the full Appendix II sample collection events)

Bis(2-ethylhexyl) phthalate detections (ug/L)

Date	MW-5	MW-6	MW-7	MW-8	MW-21	MW-23	MW-24	MW-25
3/14/2011	NT	24.0	<8	NT	NT	NT	NT	NT
3/15/2012	NT	<10	NT	NT	NT	NT	NT	NT
4/3/2013	<8	NT	NT	<12.0	NT	<8.0	NT	NT
9/11/2013	NT	10.0	NT	NT	<8	NT	NT	NT
4/11/2014	<8	<10	NT	<8	<8	9.0	NT	NT
9/22/2014	NT	<10	NT	NT	NT	<10	NT	NT
4/21/2015	NT	<10	NT	NT	NT	<10	NT	NT
9/8/2015	NT	<10	NT	NT	NT	NT	NT	NT
2/25/2016	NT	<8	NT	NT	NT	<10	NT	NT
9/6/2016	NT	12.0	NT	NT	NT	<10	NT	NT
3/6/2017	NT	<8	NT	NT	NT	<10	NT	NT
6/15/2017	NT	NT	NT	NT	NT	NT	7.0	NT
9/5/2017	NT	<6	NT	NT	NT	<6	NT	NT
3/2/2018	NT	<6	<6	NT	NT	<6	<6	NT
9/4/2018	NT	NT	NT	NT	NT	NT	NT	NT
3/27/2019	76.0	NT	NT	42.0	NT	64.0	NT	NT
9/7/2019	NT	NT	NT	NT	NT	NT	NT	NT
3/30/2020	NT	NT	NT	NT	NT	NT	NT	NT
9/1/2020	NT	NT	NT	NT	NT	NT	NT	6.0
3/3/2021	NT	NT	NT	NT	NT	NT	NT	NT
9/10/2021	NT	NT	NT	NT	NT	NT	NT	9.0
3/4/2022	NT	<6	NT	NT	NT	NT	NT	<6
9/2/2022	NT	NT	NT	NT	NT	NT	NT	<6
3/21/2023	NT	NT	<6	NT	NT	NT	<6	<6
9/26/2023	NT	NT	NT	NT	NT	NT	NT	NT
3/1/2024	13.0	NT	NT	21.0	<6	<6	NT	NT
9/11/2024	<6	NT	NT	<6	NT	NT	NT	NT
3/17/2025	NT	NT	NT	NT	NT	NT	NT	NT
9/17/2025	NT	NT	NT	NT	NT	NT	NT	NT

Dichlorodifluoromethane detections (ug/L)

Date	MW-5	MW-6	MW-7	MW-8	MW-21	MW-23	MW-24	MW-25
3/20/2009	<1.0	NT	<1.0	1.8	<1.0	<1.0	NT	NT
6/15/2009	NT	NT	NT	<1.0	NT	NT	NT	NT
7/13/2009	NT	NT	NT	2.5	NT	NT	NT	NT
9/2/2009	NT	NT	NT	2.2	NT	NT	NT	NT
3/24/2010	NT	NT	NT	1.4	NT	NT	NT	NT
6/10/2010	NT	NT	NT	<1.0	NT	NT	NT	NT
9/16/2010	NT	NT	NT	<1.0	NT	NT	NT	NT
10/20/2010	NT	NT	NT	2.2	NT	NT	NT	NT
3/14/2011	NT	<1.0	<1.0	3.0	NT	NT	NT	NT
9/12/2011	NT	NT	NT	<1.0	NT	NT	NT	NT
3/15/2012	NT	NT	NT	1.7	NT	NT	NT	NT
4/3/2013	<1.0	NT	NT	1.1	NT	<1.0	NT	NT
9/11/2013	NT	NT	NT	1.3	2.2	NT	NT	NT
4/11/2014	<1.0	NT	NT	1.1	<1.0	<1.0	NT	NT
9/22/2014	NT	NT	NT	1.3	NT	NT	NT	NT
4/21/2015	NT	NT	NT	1.6	NT	NT	NT	NT
9/8/2015	NT	NT	NT	<1.0	NT	NT	NT	NT
2/25/2016	NT	<1.0	NT	<1.0	NT	NT	NT	NT
9/6/2016	NT	NT	NT	<1.0	2.8	NT	NT	NT
3/6/2017	NT	<1.0	NT	<1.0	1.3	NT	NT	NT
6/15/2017	NT	NT	NT	NT	NT	NT	<1.0	NT
9/5/2017	NT	NT	NT	<1.0	1.2	NT	NT	NT
3/2/2018	NT	NT	<1.0	<1.0	3.1	NT	<1.0	NT
9/4/2018	NT	NT	NT	NT	NT	NT	NT	NT
3/27/2019	<1.0	NT	NT	<1.0	NT	<1.0	NT	NT
9/7/2019	NT	NT	NT	NT	NT	NT	NT	NT
3/30/2020	NT	NT	NT	NT	NT	NT	NT	NT
9/1/2020	NT	NT	NT	NT	NT	NT	NT	<1.0
3/3/2021	NT	NT	NT	NT	NT	NT	NT	NT
9/10/2021	NT	NT	NT	NT	NT	NT	NT	<1.0
3/4/2022	NT	<1.0	NT	NT	NT	NT	NT	NT
9/2/2022	NT	NT	NT	NT	NT	NT	NT	NT
3/21/2023	NT	NT	<1.0	NT	NT	NT	<1.0	NT
9/26/2023	NT	NT	NT	NT	NT	NT	NT	NT
3/1/2024	<1.0	NT	NT	<1.0	2.0	<1.0	NT	NT
9/11/2024	NT	NT	NT	NT	<1.0	NT	NT	NT
3/17/2025	NT	NT	NT	NT	NT	NT	NT	NT
9/17/2025	NT	NT	NT	NT	NT	NT	NT	NT

1,1-Dichloropropene (ug/L)

Date	MW-5	MW-6	MW-7	MW-8	MW-21	MW-23	MW-24	MW-25
3/14/2011	NT	<1	<1	NT	NT	NT	NT	NT
3/15/2012	NT	NT	NT	NT	NT	NT	NT	NT
4/3/2013	<1	NT	NT	<1	NT	<1	NT	NT
9/11/2013	NT	NT	NT	NT	<1	NT	NT	NT
4/11/2014	<1	NT	NT	<1	<1	<1	NT	NT
9/22/2014	NT	NT	NT	NT	NT	NT	NT	NT
4/21/2015	NT	NT	NT	NT	NT	NT	NT	NT
9/8/2015	NT	NT	NT	NT	NT	NT	NT	NT
2/25/2016	NT	<1	NT	NT	NT	NT	NT	NT
9/6/2016	NT	NT	NT	NT	NT	NT	NT	NT
3/6/2017	NT	<1	NT	NT	NT	NT	NT	NT
6/15/2017	NT	NT	NT	NT	NT	NT	<1	NT
9/5/2017	NT	NT	NT	NT	NT	NT	NT	NT
3/2/2018	NT	NT	<1	NT	NT	NT	<1	NT
9/4/2018	NT	NT	NT	NT	NT	NT	NT	NT
3/27/2019	<1	NT	NT	<1	NT	<1	NT	NT
9/7/2019	NT	NT	NT	NT	NT	NT	NT	NT
3/30/2020	NT	NT	NT	NT	NT	NT	NT	NT
9/1/2020	NT	NT	NT	NT	NT	NT	NT	<1
3/3/2021	NT	NT	NT	NT	NT	NT	NT	NT
9/10/2021	NT	NT	NT	NT	NT	NT	NT	4.5
3/4/2022	NT	<1	NT	NT	NT	NT	NT	<1
9/2/2022	NT	NT	NT	NT	NT	NT	NT	<1
3/21/2023	NT	NT	<1	NT	NT	NT	<1	<1
9/26/2023	NT	NT	NT	NT	NT	NT	NT	NT
3/1/2024	<1	NT	NT	<1	<1	<1	NT	NT
9/11/2024	NT	NT	NT	NT	NT	NT	NT	NT
3/17/2025	NT	NT	NT	NT	NT	NT	NT	NT
9/17/2025	NT	NT	NT	NT	NT	NT	NT	NT