

2025 ANNUAL WATER QUALITY REPORT

**FOR THE
SCISWA LANDFILL
63-SDP-02-77P
TRACY, IOWA**

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Table of Contents

Certification

Section 1.0 Background Information

Monitoring Well Maintenance Performance Reevaluation

Section 2.0 Reporting Period Activities

Section 3.0 Data Evaluation and Summary

Quality Assurance/Quality Control

Background data Validation

Site Specific GWPS

Statistically Significant Increases/Exceedances of Prediction Limits

Assessment Monitoring

Statistically Significant Levels

Assessment of Corrective Measures

Evaluation of Acid Mine Drainage Impacts

Section 4.0 Leachate Collection System Performance Reevaluation

Section 5.0 Gas Monitoring Evaluation

Section 6.0 Recommendations

Figures

Figure 1 – Site Plan & Property – Aerial Photograph

Figure 2 – Site Plan & Property – Topographic Map

Figure 3 – Water Table Contour Map – Unconsolidated

Tables in IDNR Format

Table 1 – Monitoring Program Summary

Table 2 – Monitoring Program Implementation Schedule

Table 2A – Summary of All Well Testing To Date

Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule

Table 4 – Monitoring Well Maintenance Performance Reevaluation Summary

Table 4A – Water Table Elevation Summary Over Time

Table 5 – Background and GWPS Summary

Table 5A - Acid Mine Drainage Testing Parameters Summary

Table 6 – Summary of Detections

Table 7 – Summary of Ongoing and Newly Identified SSI

Table 8 - Summary of Ongoing and Newly Identified SSL- **NOT USED**

Table 9 – Analytical Data Summary

Table 10 – Historic SSI and SSL - **NOT USED**

Table 11 – Corrective Action Trend Analysis - **NOT USED**

Table 12 – Leachate Levels

Table 13 – Gas Monitoring Summary

Appendices

Appendix A – Listing of All Wells

Appendix B - Field Sampling Forms

Appendix C - Statistical Report(s)

Appendix D - Laboratory Reports for Report Period

Appendix E – Turbidity

Appendix F – VOC Exceedance Summary Over Time

Appendix G – Time Series Graphs

Appendix H - Assessment Monitoring Results

Appendix I – Leachate Collection System Performance Evaluation Data

Certification

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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 requirements included in Special Provision 4.i. of the Permit Revision, dated October 23, 2025 (Doc #114543).

1.2 Report Priority - Low

Sampling in accordance with Table 1 and Table 2 is recommended. It is recommended that detection and assessment monitoring continue in accordance with the HMSP as approved in Special Provision 4 of the Permit Revision, dated October 23, 2025 (Doc #114543). An Alternate Source Demonstration (ASD) related to metals was completed in 2014 (Doc #79861). The ASD indicates that acid mine drainage (AMD) is the contributing factor associated with the inorganic groundwater impacts historically identified in most monitoring well locations, making spatial variability impractical to sufficiently quantify. AMD is characterized by low pH levels combined with elevated metals and elevated sulfate concentrations in groundwater. With IDNR approval, intrawell statistical evaluations (along with interwell statistical methods) are employed. It is recognized that the intrawell control limits and the interwell prediction limits are at times elevated above the groundwater protection standards (GWPS) published in Iowa Administrative Code (IAC) 567, Chapter 137. In these instances, Site-Specific GWPS are developed and are equal to the elevated control/prediction limit value.

Based on the ASD, continued acid mine drainage constituent monitoring is required and Assessment of Corrective Measures activities are not required at wells impacted by AMD. Statistically Significant Increases (SSI) and Significantly Significant Levels (SSL) for inorganic constituents would only be realized in monitoring points where AMD effects are minor (below SSI/SSL levels) and where both SSI/SSL are identified by both intrawell and interwell statistical methods at a monitoring point. The AMD impacts are addressed in Special Provision 4.k. of the Permit Revision, dated October 23, 2025 (Doc #114543).

There are no SSI or SSL identified for inorganic compounds at any monitoring point in 2025. There are Volatile Organic Compound (VOC) SSI identified at MW-344 and MW-382R in 2025. No VOC SSL are identified in 2025.

IDNR has also approved the use of field measured turbidity in lieu of Total Suspended Solids (TSS) testing (Doc #103471).

1.3 Period of Report Coverage

Water quality data evaluation is based on a running compilation of data beginning in March, 2008. Statistical evaluations herein are based on the most recent water quality data collected on March 25, 2025 and September 15, 2025.

1.4 Current Site Map

Figure 1 and Figure 2 are attached illustrating the current site and property boundaries. The figures include all monitoring well locations, leachate piezometer locations, the groundwater monitoring point location, and subsurface gas probe locations in relation to waste boundaries.

1.5 Site Status and Applicable Rules

Site Location

The SCISWA Sanitary Landfill is located in parts of Sections 20, 21, 28, and 29, T75N, R18W, Marion County, Iowa. The facility is situated on Highway T17 near Tracy and Pershing, Iowa. The facility operates under the Iowa Department of Natural Resources (IDNR) Permit Number 63-SDP-02-77P.

Landfill Layout

The site is situated within a former coal strip mine. Completed landfill areas include the Original Landfill (Areas A1 and A2 (and associated vertical expansions)) Cells N-1, N-2, and N-3 (alternate lined (4 ft clay)), Cells 4A-4F (prescriptive liner), and Cell NW1/NW2 (prescriptive liner). Cells N-1, N-2, N-3, Cells 4A-4F, and Cells NW1/NW2 are actively receiving waste from the planning area.

Applicable Rules

Iowa Administrative Code (IAC) 567-113 is applicable to the site due to the contiguous nature of the various landfill areas.

1.6 Summary of Hydrologic Monitoring System Plan (HMSP)

The HMSP sampling performed on March 25, 2025 and September 15, 2025 conforms to Permit Provisions.

Water monitoring points and the gas monitoring network are illustrated on Figure 1 and Figure 2. A Water Contour Map is included as Figure 3. The current HMSP is summarized in Table 1. The HMSP Implementation Schedule for 2026 is itemized in Table 2. A listing of all monitoring points that currently exist on site is included in Appendix A.

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

The current year water elevation data is included on Table 4. Historic water elevation data is included in Table 4A – Comprehensive Historical Data. The Water Contour Map (Figure 3) dated September 2025 is included with this report. The Water Contour Map illustrates the water surfaces in the unconsolidated formation. Review of the 2025 data does not indicate excessive variability compared to historic water elevation data.

Well Depth & Sedimentation

Depth measurements were made in each well on September 15, 2025. Review of the well depth data included on Table 4 indicate that well sedimentation is estimated to be less than one (1) foot at all site monitoring wells.

Well Recharge Rates & Chemistry

The originally measured horizontal hydraulic conductivity testing results for each site monitoring well is included on Table 4. Field bail and recovery testing was performed in 2024 at monitoring wells MW-380, MW-381, MW-382R, MW-390, and MW-604 to update the available horizontal hydraulic conductivity data. The horizontal hydraulic conductivities ranged between 10^{-3} cm/sec and 10^{-7} cm/sec.

Field recovery data recorded on March 19, 2024 (on Table 4) indicates that the monitoring wells demonstrate minimal to moderate drawdown during pumping. All site monitoring wells recovered within 24 hours following pump. Most recovered within 6 hours or less.

The 2024 evaluation 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". Well recovery information will be collected at all site monitoring wells in March 2026 as required by rule (113.10(2)"f"(4)).

Based on the apparent static condition of the water table across the site, the conclusions of the well recharge evaluation, and the existing water elevation database, it appears that the semi-annual water elevation data is sufficient to adequately monitor the hydrologic condition of the site. Therefore, it appears that the integrity of monitoring wells is intact, that the wells are appropriately located to detect impact from the fill, and that no changes in the monitoring system are recommended.

Recent Monitoring Well Installations

Construction of the Cell NW1/NW2 expansion was completed in October of 2024. Monitoring wells MW-604 and MW-605 were constructed along the north temporary boundary of the Cell NW1/NW2 Expansion Area (Figure 2). Documentation of the well construction was submitted to IDNR on October 4, 2024 (Appendix R of the QCA Report (Doc #111015)).

The HMSP was modified for 2025 by adding MW-604, and MW-605 (Table 2). MW-604 was sampled semi-annually in 2025. MW-605 was recorded as "too dry to sample" semi-annually in 2025.

The IDNR Letter dated May 14, 2025 (Doc #113067) indicated that the 2025 Annual Water Quality Report should include a recommendation related to the dry condition of MW-605 observed throughout 2025. Based on the site conditions documented in 1994 (Doc #11886, Aquitard Surface Map and Doc #53687, Documentation of a Dry Area) the finding that MW-605 is typically dry is consistent with the previous site characterizations. MW-605 is located in an area where the till soils are apparently drained along the aquitard boundary.

Relocation of MW-605 is not recommended based on the documented site conditions. Based on the water table contour map (Figure 3), moving the monitoring well to the northwest would appear to provide the best opportunity to locate the well outside of the dry area. However, it is noted that MW-602 already exists to the northwest of MW-605. Also moving the replacement well for MW-605 to the northwest would also be redundant with regard to MW-604. MW-602 and MW-604 appear to be currently located where the convergence of groundwater flow paths minimizes the dimensions of the north boundary of Cell NW-1.

The IDNR Letter dated May 14, 2025 (Doc #113067) specifically references IAC567, Chapter 113.10(2)"a". It is noted that IAC 567, Chapter 113.10(2)"b" specifically discusses temporary waste boundaries, and the convergence of flow paths more aptly apply in this case.

It is recommended that MW-605 remain "as-is" and that MW-605 continue to be monitored semi-annually in accordance with the HMSP. Documentation that MW-605 remains "dry" as the filling in Cell NW-1 progresses is valuable hydrologic information moving forward. If the increased static loading in Cell NW-1 causes changes to the water table surface at MW-605 and the water table increases, then the semi-annual monitoring can be initiated at MW-605 at that time.

Section 2.0 Reporting Period Monitoring Activities

A summary of the planned 2026 sample collection events at each well is included on Table 2. A comprehensive summary of all sampling episodes to date are included in the Table 2A. Field sampling data related to the March 25, 2025, and September 15, 2025 events are included on the field forms (IDNR Form 542-1322) in Appendix B.

A comprehensive summary of Analytical Data for the episodes between September 2012 and September 15, 2025, is included on Table 9.

Per the Permit Revision, dated October 23, 2025 (Doc #114543) the HMSP includes the following:

Background Wells

MW-307
MW-312
MW-390

Downgradient Wells/Points

MW-300 (Detection Monitoring Program)
MW-303 (Detection Monitoring Program)
MW-304 (Detection Monitoring Program)
MW-313 (Detection Monitoring Program)
MW-335 (Detection Monitoring Program)
MW-344 (***Assessment*** Monitoring Program)
MW-380 (Detection Monitoring Program)
MW-381 (Detection Monitoring Program)
MW-382R (***Assessment*** Monitoring Program)
MW-601 (Detection Monitoring Program)
MW-602 (Detection Monitoring Program)
MW-603 (Detection Monitoring Program)
MW-604 (Detection Monitoring Program)
MW-605 (Detection Monitoring Program)
GU-4AR (Detection Monitoring Program)

Alternate Source Demonstration (ASD) Acid Mine Drainage Parameters

MW-300
MW-303
MW-304
MW-313
MW-335
MW-344
MW-380
MW-381
MW-382R
MW-601
MW-602
MW-603
MW-604
MW-605
GU-4AR
Surface Water SW-1

2.1 Current Detection Monitoring Activities/Sampling Requirements

At the downgradient monitoring wells listed above, detection monitoring includes Appendix I analyses on a semi-annual frequency. In addition, the Acid Mine Drainage (AMD) parameters (alkalinity, aluminum, iron, pH, and sulfate) are tested at all wells, GU-4AR, and surface water SW-1. AMD sample collection occurs on a semi-annual frequency to confirm the on-going conditions at the site related to elevated metals based on the acid mine drainage.

2.2 Current Assessment Monitoring Activities

At the downgradient monitoring wells MW-344 and MW-382R, assessment monitoring includes Appendix II compounds on a five (5) year frequency (once two (2) annual Appendix II episodes are completed) and Appendix I compound testing on a semi-annual frequency.

2.3 Current Corrective Action Monitoring Activities

There are currently no corrective actions required at this facility and there is no associated Corrective Action Monitoring required. AMD impacts are documented across the site and have not decreased to date. SSI and SSL for metals at site monitoring points are not recorded, rather the elevated metals are recognized as due to an alternate source. The management of AMD impacts are addressed in Special Provision 4.k. of the Permit Revision, dated October 23, 2025 (Doc #114543).

Section 3.0 Data Evaluation and Summary

Statistical Evaluations included herein are prepared by Otter Creek Environmental Services for the monitoring episodes completed March 25, 2025 and September 15, 2025. The Groundwater Statistics Report for the South Central Iowa Solid Waste Agency (SCISWA) Landfill, First Semi-Annual Monitoring Event in 2025, dated June, 2025 is included in Appendix C.1. The Groundwater Statistics Report for the South Central Iowa Solid Waste Agency (SCISWA) Landfill, Second Semi-Annual Monitoring Event in 2025, dated September 2025 is included in Appendix C.2.

Intrawell statistical evaluations are employed at this site in accordance with the IDNR preferred method as described in the June 5, 2014 IDNR Letter (Doc # 80411) and are relied upon based on the documented spatial variability that results from on-going Acid Mine Drainage impacts. Note that interwell statistics are also completed in the statistical evaluation report as a means to further evaluate groundwater quality.

Based on the approved ASD, continued AMD constituent monitoring is required and Assessment of Corrective Measures activities are not required at wells impacted by AMD.

Statistically Significant Increases (SSI) and Significantly Significant Levels (SSL) for inorganic constituents would only be realized in monitoring points where AMD effects are minor (below SSI/SSL levels) and where both SSI/SSL are identified by both intrawell and interwell statistical methods at a monitoring point. The AMD impacts are addressed in Special Provision 4.k. of the Permit Revision, dated October 23, 2025 (Doc #114543).

The Analytical Reports for the laboratory testing of March 25, 2025, and September 15, 2025, sampling episodes are included in Appendix D.

QUALITY ASSURANCE/QUALITY CONTROL

A blind duplicate sample was collected at MW-604 during the March 25, 2025, sampling episode. A blind duplicate sample was collected at MW-602 during the September 15, 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 the 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) A result is non-detected.

The results of the blind duplicate and the monitoring well results in 2025 were within the limits established and indicate that the data quality is acceptable without restriction.

BACKGROUND DATA VALIDATION

On July 10, 2014 an unnumbered Permit Amendment and Memo was issued by the IDNR regarding turbidity (Doc # 80700). A TSS and Field Turbidity Evaluation Report was prepared and submitted on June 17, 2022 (Doc# 103453) and was approved by IDNR on June 22, 2022 (Doc #103471).

“No-Purge” sample methods were employed at this site beginning September 1, 2022. The background data for sample collection episodes that occurred prior to September 1, 2022 have been evaluated statistically for outliers and is validated. Outliers that failed the Dixon Test are summarized in the Dixon Test Outlier Table, Attachment C, Table 6, included in the September 2025 Statistical Evaluation Report (Appendix C.2). The Control Limits established in the September 2025 Statistical Evaluation Report (Appendix C.2) are based on the validated background with outliers removed. The calculated Intrawell Control Limits are itemized in Table 5.

SITE SPECIFIC GWPS

Table 5 includes the calculated Intrawell Control Limits and the Interwell Prediction Limits. Comparison of the Control Limits and the Prediction Limits to the published IAC 567, Chapter 137 Statewide Standard indicates that inorganic Control Limits and/or Prediction Limits are frequently in excess of the published standards. The interpretation is made that the elevated metals concentrations in background reflect the character of the disturbed soils that result from historic mining and the subsequent AMD. The instances where the Control Limits and/or Prediction Limits exceeds the published IAC 567, Chapter 137 Statewide Standard are highlighted in yellow in Table 5.

The Site-Specific GWPS should not be set lower than the Control Limit and/or the Prediction Limit calculated from the site background data. For this report, the Site-Specific GWPS for the HMSP Systems are summarized in the far right-hand column of Table 5. For all other compounds the published IAC 567, Chapter 137 Statewide Standard are utilized as the GWPS.

EVALUATION OF ACID MINE DRAINAGE IMPACTS

Acid Mine Drainage is evaluated using the water quality parameters alkalinity (as calcium carbonate), aluminum, iron, sulfate, and pH at site monitoring wells and GU-4AR, and at SW-1. The 2025 Acid Mine Drainage constituents are summarized in Table 5A. Table 5A illustrates that all wells are impacted by AMD which is the source of all elevated metals. It follows that AMD impacts are not minor and that any inorganic SSI are attributed to AMD effects, rather than to landfill impact.

Time Series Plots are also included in Appendix G. Review of the Time Series Plots of the AMD constituents indicates the following trends:

Sulfate demonstrates decreasing trends at MW-307, MW-335, MW-380, MW-381, MW-601, and MW-603.

Aluminum indicates an increasing trend at MW-300 and MW-380.

Alkalinity indicates an increasing trend at MW-382R and MW-603.

Iron demonstrates a decreasing trend at MW-307.

pH indicates a decreasing trend at MW-312, MW-602 and an increasing trend at MW-380.

Further review of the pH data included on the Time Series Plots indicates that the pH values at most monitoring points are consistently below 7 (acidic) except at SW-1. The observed pH values are typically observed to be lowest at MW-380, but an increasing trend has been recorded recently at MW-380.

Conditions confirm that acid mine drainage impacts are endemic to the site and the approved alternate source demonstrated for the inorganic compound concentrations continues to be appropriately applied at this site.

Time Series Plots for the Appendix I metal compounds are also included in Appendix G for GU-4AR and MW-601 through MW-605 since less than thirteen (13) data points are available and the intrawell statistical evaluations of data at these points are considered preliminary at this time.

STATISTICALLY SIGNIFICANT INCREASE (SSI) EVALUATION

Inorganic Compounds - The detected concentrations of each compound are compared to the Intrawell Control Limit and the Interwell Prediction Limit for each respective compound. In the detection monitoring wells, the detected concentrations that are in excess of the calculated Control Limit and/or Prediction Limit are:

Well	Season	AMD Impacted?	Statistical Method	Compounds	SSI
MW-300	Spring	Yes	Interwell	Be, Co, Ni	No
MW-300	Spring	Yes	Intrawell	Be, Co, Ni	No
MW-303	Spring	Yes	Interwell	Ba	No
MW-304	Spring	Yes	Interwell	Ba	No
MW-312	Spring	Yes	Intrawell	Ba	No
MW-344	Spring	Yes	Interwell	Co, Ni	No
MW-380	Spring	Yes	Interwell	Cd, Ni	No
MW-602	Spring	Yes	Interwell	Co, Ni	No

Well	Season	AMD Impacted?	Statistical Method	Compounds	SSI
MW-300	Fall	Yes	Interwell	Be, Co, Ni,	No
MW-300	Fall	Yes	<i>Intrawell</i>	Be, Co, Ni, Zn	No
MW-303	Fall	Yes	Interwell	Ba	No
MW-304	Fall	Yes	Interwell	Ba	No
MW-312	Fall	Yes	<i>Intrawell</i>	Ba	No
MW-313	Fall	Yes	Interwell	V	No
MW-313	Fall	Yes	<i>Intrawell</i>	Cd	No
MW-344	Fall	Yes	Interwell	Co	No
MW-380	Fall	Yes	Interwell	Be, Cd, Co, Ni	No
MW-602	Fall	Yes	Interwell	Co, Ni	No
MW-604	Fall	Yes	Interwell	Ni	No

It is noted that the March 25, 2025 and September 15, 2025 results for MW-300 recorded an exceedance of beryllium, cobalt and nickel by both intrawell and interwell statistical methods.

However, as recorded on Table 5A, MW-300 demonstrates ongoing significant impact by AMD and the exceedances are therefore not attributable to landfill impact. No other monitoring point(s) had compounds recorded in excess of both the Intrawell Control Limit and the Interwell Prediction Limit. Further all site monitoring points exhibit AMD impacts. Therefore, there are no SSI for inorganic compounds recorded for the site in 2025. *The documented prevalence of the AMD impacts across the site and recognition of the AMD as the alternate source demonstration (in accordance with IAC567-113.10(5) "c"(3)), the Control Limit and/or Prediction Limit exceedances summarized above are not classified as SSI and Assessment Monitoring is not required. All site monitoring points remain in the Detection Monitoring System related to inorganics since the alternate source of elevated metals (due to acid mine drainage) is documented at the site.*

Volatile Organic Compounds (VOC) – VOC compounds are evaluated by the “double quantification rule” described as a preliminary detection followed by a verification detection. At the SCISWA facility cis-1,2-dichloroethylene was reported at MW-344 on March 25, 2025, and September 15, 2025 and 1,1-dichloroethane was reported at MW-382R on September 15, 2025 (Table 6).

VOC have been historically detected in the Assessment Monitoring System wells MW-344 and MW-382R. The detections are verified exceedances according to double quantification. Table 6 summarizes the *current year* VOC exceedances for the site.

Table 7 includes brown highlighted values that signify detected VOC concentrations in excess of the quantification limits (SSI) over time in the site monitoring wells.

MW-344 and MW-382R remain in the assessment monitoring system. This report serves as notice to the operating record in accordance with IAC 567-113.10(5)c.

It is noted that carbon disulfide was reported in September, 2025 at six (6) monitoring points for the first time. The six (6) monitoring points included background well MW-307. The reported carbon disulfide concentrations were documented to be related to field contamination, rather than from a site water source. Documentation of the source of carbon disulfide was previously submitted to the IDNR and the carbon disulfide data is not considered to be part of the site water quality.

ASSESSMENT MONITORING SUMMARY

Assessment monitoring is required to be repeated annually per IAC 567-113.10(6)b. However, a five (5) year full Appendix II sampling frequency is approved (Special Provision 4.f. of the Revised Permit, dated July 12, 2022 (Doc #103579)) for all site Point of Compliance Monitoring Wells where at least two (2) full Appendix II samples have been collected.

Full rounds of Appendix II assessment monitoring have been completed at MW-344 (5 episodes) and at MW-382R (5 episodes). The next round of full Appendix II sampling at MW-344 and MW-382R is scheduled to occur in September, 2028. The full Appendix II sampling episodes are listed in Table 2. Results of bis(2-ethylhexyl)phthalate, dichlorofluoromethane, and tin testing are itemized in Appendix H. Results recorded during the full Appendix II sample collection events at MW-344 and MW-382R are highlighted in green in Appendix H.

Bis(2-ethylhexyl)phthalate testing at MW-382R is returned to a five (5) year frequency to coincide with the full Appendix II sample collection event (2028) based on the fact that bis(2-ethylhexyl)phthalate was undetected at MW-382R in both March 19, 2024 and October 3, 2024.

There are no SSI or SSL identified for inorganic compounds at any monitoring point in 2025. There are Volatile Organic Compound (VOC) SSI identified at MW-344 and MW-382R in 2025. No VOC SSL are identified in 2025.

STATISTICALLY SIGNIFICANT LEVEL (SSL) EVALUATION

Validation of the significant AMD impacts at monitoring points precludes inorganic SSI and SSL from being detected at the site. However, those compounds with detections that exceed the VOC quantification limits (see summary in Table 1) are utilized to calculate the Confidence Interval (the 95% lower confidence limits (LCL) and the 95% upper control limits (UCL)) in accordance with the 2009 Unified Guidance for Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities by US EPA. The 95% LCL values for VOC are compared to applicable GWPS. Any 95% LCL value for VOC 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 completion of an Assessment of Corrective Measures (ACM).

The SSL Evaluation is based on data for each VOC impacted monitoring well (MW-344 and MW-382R). The Confidence Intervals (95% LCL and 95% UCL) are calculated during each statistical evaluation based on the most recent four (4) data points.

The 95% LCL evaluation for VOC at MW-344 and MW-382R is presented in Table 7. Review of the data in Table 7 indicate that the 95% LCL values for VOC at assessment monitoring wells MW-344 and MW-382R are below the applicable Statewide Standards published in IAC 567, Chapter 137 (the GWPS) and no SSL are identified.

Standard IDNR Tables 8, 10, and 11 are not required for this report based on the absence of SSL.

ASSESSMENT OF CORRECTIVE MEASURES

Assessment of Corrective Measures is not warranted at this site.

Section 4.0 Leachate Collection System Performance Evaluation

Leachate Recirculation and Disposal

Between January 1, 2025, and December 31, 2025, staff reported that approximately 1,322,215 gallons of leachate were recirculated to Cells 4A, 4B, 4C, 4D, 4E, and 4F in accordance with Special Provision X.5 of the SDP Permit. Dates and reported volumes of leachate recirculation are included in Appendix I.1. Leachate recirculation did not occur in Cell NW 1 or NW 2 in 2025.

The facility also utilizes the Des Moines Metropolitan Wastewater Reclamation Authority (WRA) as a backup leachate treatment and disposal option in the event that leachate recirculation and evaporation from the leachate storage lagoon are not adequate to keep up with leachate generation volumes. Note that no leachate was disposed of at the WRA in 2025.

RCRA Subtitle D Construction

Cells N-1, N-2, N-3, 4A, 4B, 4C, 4D, 4E, and 4F

Cells N-1, N-2, and N-3 were constructed with Subtitle D compliant alternative liner systems in 2001, 2002, and 2004, respectively. Leachate collected in these cells drains by gravity to the sump in the Cell NW1/NW2 Expansion.

Cells 4A, 4B, 4C, 4D, 4E, and 4F were constructed with Subtitle D compliant composite liner systems.

Cell 4A was constructed in 2009. A portion of the liner system in Cell 4A was constructed over previously placed waste in Subtitle D compliant lined Cell N-3.

Cells 4B, 4C, and 4D were constructed in 2012. The liner system in Cells 4B, 4C, and 4D was constructed entirely over previously placed waste either in Subtitle D compliant lined Cells N-1, N-2, and N-3 or in unlined (and previously closed) Cell A-2.

Cell 4E was constructed in 2019. The liner system in Cell 4E was constructed entirely over previously placed waste either in Subtitle D compliant lined Cells N-1 and N-2 or in unlined (and previously closed) Cells A-1 and A-2.

Cell 4F was constructed in 2015. The liner system in Cell 4F was constructed entirely over previously placed waste in unlined (and previously closed) Cell A-2.

RCRA Subtitle D Cells NW1/NW2

Cells NW1/NW2 were constructed with Subtitle D compliant composite liner systems. Cell NW1/NW2 was constructed in 2024.

Leachate Collection

RCRA Subtitle D Cell 4A

Leachate collected in Cell 4A is pumped from the Cell 4A sump to the leachate storage lagoon via a dual walled force main as needed.

LHPZ-4A (in Cell 4A) measures leachate head on the Subtitle D composite lined areas Cells 4A, 4B, 4C, 4D, 4E, and 4F. The location of LHPZ-4A is included on the figure in Appendix I.2 The LHPZ-4A measurements are included in Table 12.

Based on the leachate head data included in Table 12, leachate levels in LHPZ-4A exceeded 12” during each measured event in 2025. It is recognized that the elevated leachate head levels recorded in LHPZ-4A are not within limits. Based on the flow meter for the pump in the Cell 4A leachate sump, 1,735,230 gallons of leachate were reported as pumped from the Cell 4A leachate sump in 2025. The 2024 AWQR reported that 482,855 gallons were pumped from the Cell 4A leachate sump in 2024. The significant increase in volume indicates that there may be a faulty check valve or other component in the leachate collection system. When conditions allow the components of the leachate pumping system will be evaluated to identify any potential issues. A portion of the waste mass in Cell 4A may also be excavated to determine the accuracy of the measurements by the transducer in LHPZ-4A.

RCRA Subtitle D Cells N-1, N-2, N-3, 4B, 4C, 4D, 4E, and 4F

Leachate collected in 4B, 4C, 4D, 4E, and 4F is directed by gravity into the leachate collection system of Expansion Cell NW1/NW-2. The leachate flows by gravity to the Cell NW1/NW-2 sump and is then pumped from the NW 1/NW 2 sump to the leachate storage lagoon via a dual walled forcemain as needed.

RCRA Subtitle D Cells NW1/NW2

Cells NW1/NW2 were constructed with Subtitle D compliant composite liner systems. Cell NW1/NW2 was constructed in 2024. The leachate flows by gravity to the Cell NW1/NW-2 sump and is then pumped from the sump to the leachate storage lagoon via a dual walled forcemain as needed. A map illustrating leachate collection lines and groundwater diversion lines is included in Appendix I.2.

LHPZ-NW1 was installed in Cells NW1/NW2 to monitor the leachate head on the Subtitle D composite lined areas. The location of LHPZ-NW1 is included on the figure in Appendix I.2

The LHPZ- NW1 measurements are included in Table 12. Readings could not be obtained during January, March, April, May, and June of 2025 due to a malfunctioning transducer in LHPZ-NW1. The data indicates that liquid levels in LHPZ-NW1 exceeded 12” during each measured event in 2025. It is recognized that the elevated leachate head levels recorded in LHPZ-NW1 are not within limits. Additional work to correct the conditions are planned for the 2026 construction season when site conditions are more suitable for pumping and excavation. A proposed plan related to the Cell NW 1 Expansion area was submitted to IDNR on November 14, 2025 (Doc #114738) and was approved by IDNR on November 24, 2025 (Doc #114821).

Closed Landfill LCP

The closed unlined disposal areas, Cells A1 and A2, do not have a leachate collection system as per Special Provision X.7 of the SDP Permit. Leachate head monitoring piezometers (LW-471R, LW-477, LW-478R, and LW-479) have been installed in these areas and are measured on a monthly basis (see Table 12).

Leachate Storage System

There is currently one component to the leachate storage system, a leachate storage lagoon with a Subtitle D composite liner (approximate storage capacity is 2,500,000 gallons). The former 10,000-gallon capacity double walled underground leachate storage tank was removed during construction of the Cell NW1/NW2 expansion project in 2024.

Leachate Line Cleaning

The leachate gravity collection and conveyance lines in the Subtitle D lined areas are illustrated in the Figure in Appendix I.2. The leachate lines were cleaned during August 19, 2025. As per IDNR regulations, the lines should be cleaned every 3 years at a minimum (next cleaning tentatively scheduled for 2028).

Section 5.0 Gas Monitoring

Explosive gas monitoring per 113.9(2) and the approved GMSP was conducted quarterly during the last reporting period (2025). Recorded gas concentrations are below actionable levels.

Explosive gas concentrations are recorded as percent lower explosive limit (% LEL) and were undetected or below action levels at all points during the monitoring episodes. A Summary table of gas monitoring is as Table 13.

Section 6.0 Recommendations

Sampling in accordance with Table 2 is recommended. It is recommended that detection and assessment monitoring continue in accordance with the approved HMSP.

No changes are recommended to the HMSP with regard to MW-605. MW-605 should remain in the HMSP and should not be replaced.

The documentation of inorganic compounds in excess of the control limit and the prediction limit at MW-300 is not designated as SSI due to the demonstrated *ongoing significant impact* by AMD at MW-300. All site monitoring points should remain in the Detection Monitoring System related to inorganic compounds since the alternate source of elevated metals (due to acid mine drainage) is documented at the site.

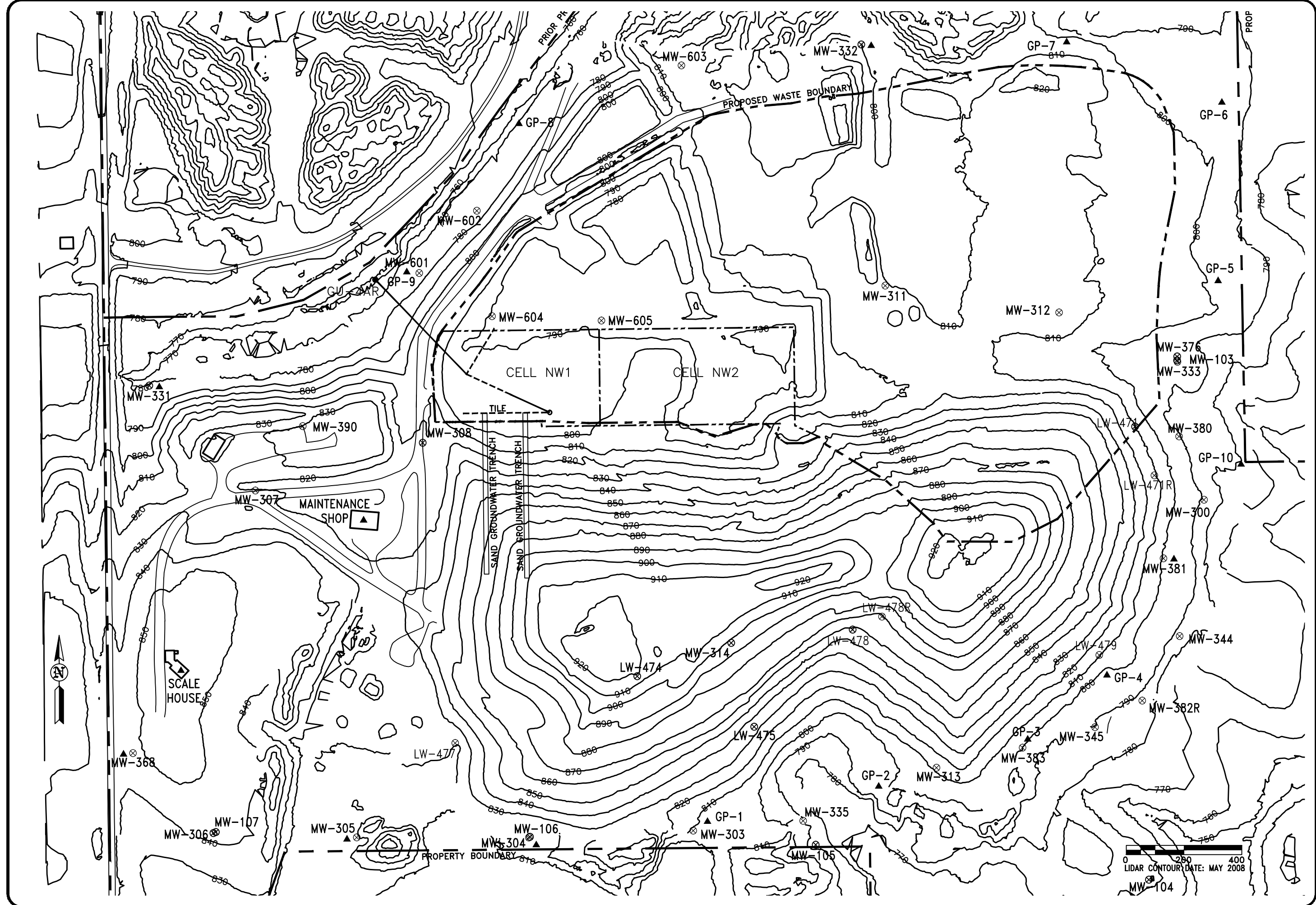
Based on the Alternate Source Demonstration (Acid Mine Drainage) we recommend that the inorganic compounds continue to be evaluated by intrawell and interwell statistical methods and that the alternate source demonstration of AMD continue to be monitored.

MW-344 and MW-382R have documented VOC SSI. We recommend that MW-344 and MW-382R remain in the Assessment Monitoring System due to the continued exceedance of the double quantification rule for VOC.

Additional work to correct the elevated leachate head in Cell 4A is planned for the 2026 construction season when site conditions are more suitable for pumping and excavation. Additionally, check valves and other pumping components will be evaluated to identify any issues with pump controls or systems.

Additional work to correct the elevated leachate head in Cell NW 1/NW 2 is planned for the 2026 construction season when site conditions are more suitable for pumping and excavation. A proposed plan related to the Cell NW 1 Expansion area was submitted to IDNR on November 14, 2025 (Doc #114738) and was approved by IDNR on November 24, 2025 (Doc #114821).

Figures





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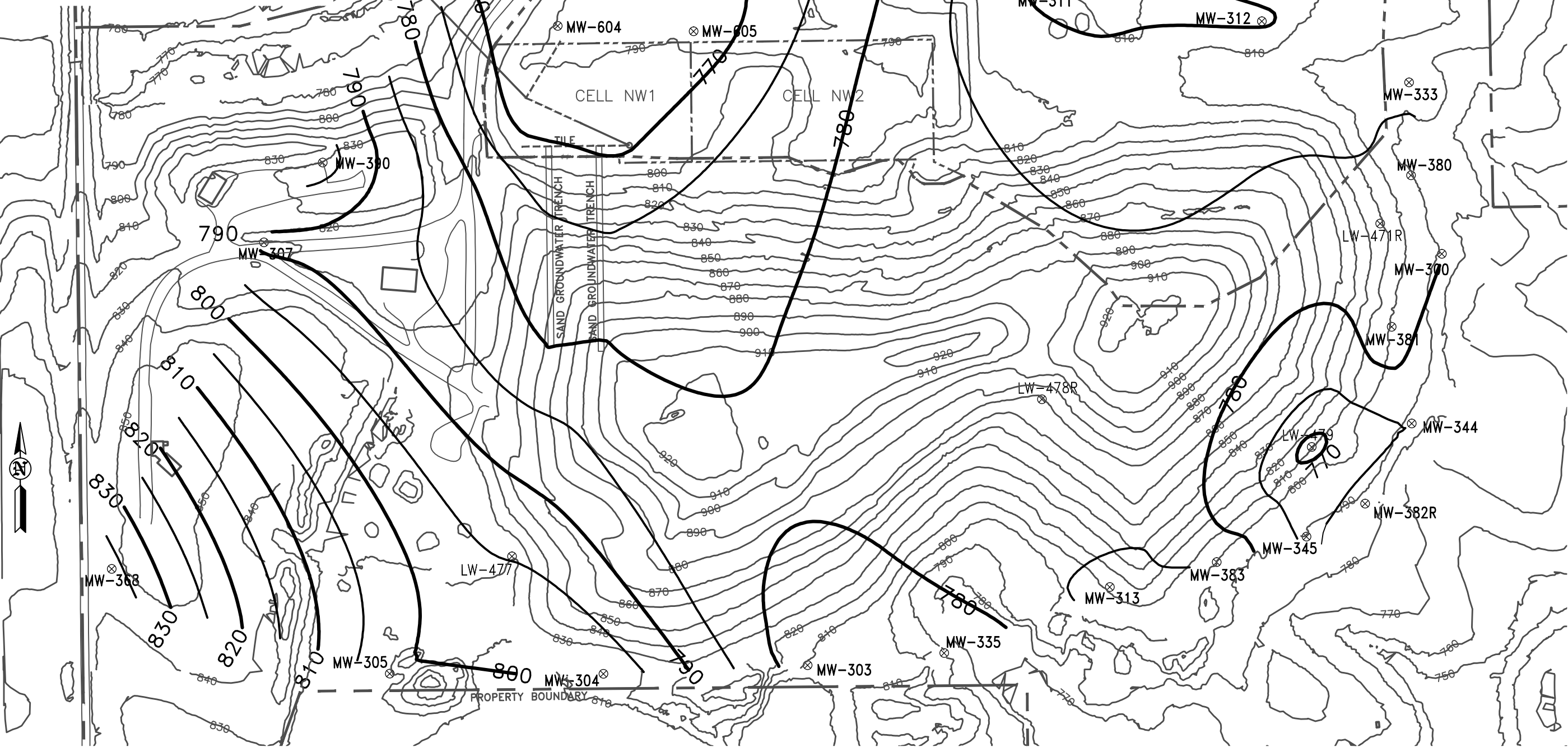
SITE PLAN WITH GAS PROBES
AREA OF INTEREST
SOUTH CENTRAL IOWA SOLID WASTE AGENCY SLF
TRACY, IOWA

FIGURE: 2

REVISION	NO.	DATE
DRAWN	6009	DATE
DRA		1-4-26

WATER ELEVATION – SEPTEMBER 15, 2025			
WELL	ELEV.	WELL	ELEV.
MW-300	780.34	MW-381	784.38
MW-303	776.82	MW-382R	777.28
MW-304	799.47	MW-383	784.31
MW-305	800.76	MW-390	797.64
MW-307	788.83	MW-601	770.03
MW-311	791.44	MW-602	762.80
MW-312	790.24	MW-603	781.20
MW-313	787.57	MW-604	766.52
MW-333	786.18	MW-605	765.58
MW-335	775.37	LW-471R	DRY
MW-344	775.09	LW-477	794.78
MW-345	773.97	LW-478R	DRY
MW-368	836.77	LW-479	768.91
MW-380	782.53		

NOTES:
LEACHATE MEASUREMENTS TAKEN 9-24-25.





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GROUNDWATER CONTOURS

SOUTH CENTRAL IOWA SOLID WASTE AGENCY SLF
TRACY, IOWA

FIGURE: 3

REVISION	NO.	DATE
DRAWN	6009	DATE
DRA		1-4-26

Tables

(in IDNR Format)

Table Index

Table 1 – Monitoring Program Summary
Table 2 – Monitoring Program Implementation Schedule
Table 2A – Summary of All Well Testing To Date
Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule
Table 4 – Monitoring Well Maintenance Performance Reevaluation Summary
Table 4A – Water Table Elevation Summary Over Time
Table 5 – Background and GWPS Summary
Table 5A - Acid Mine Drainage Testing Parameters Summary
Table 6 – Summary of Detections
Table 7 – Summary of Ongoing and Newly Identified SSI
Table 8 - Summary of Ongoing and Newly Identified SSL- NOT USED
Table 9 – Analytical Data Summary
Table 10 – Historic SSI and SSL - NOT USED
Table 11 – Corrective Action Trend Analysis - NOT USED
Table 12 – Leachate Levels
Table 13 – Gas Monitoring Summary

Table 1 – Monitoring Program Summary

Table 1
Monitoring Program Summary
Annual Water Quality Report
SCISWA Landfill
63-SDP-02-77P

Monitoring Well	Formation - Soil Type	Current Monitoring Program	Change for next sampling event	Constituents w/ SSI	Constituents w/ SSL	Total # of Samples in Each Monitoring Program		
						Detection	Assessment	Corrective Action
HMSP Monitoring Points								
GU-4AR	Underdrain System	Detection	NC	None	None	3	0	0
MW-300	Silty Clay with Shale	Detection	NC	None	None	39	0	0
MW-303	Fill - Clayey Shale/Coal	Detection	NC	None	None	39	0	0
MW-304	Fill - Disturbed Clay & Shale	Detection	NC	None	None	22	0	0
MW-307	Fill - Disturbed Clay & Shale	Background	NC	None	None	36	0	0
MW-312	Fill - Disturbed Clay/Shale/Coal	Background	NC	None	None	36	0	0
MW-313	Fill - Disturbed Clay/Shale/Coal	Detection	NC	None	None	36	0	0
MW-335	Fill - Disturbed Clay/Shale/Coal	Detection	NC	None	None	40	0	0
MW-344	Fill - Disturbed Clay/Shale/Coal	Assessment	NC	cis-1,2-dichloroethene	None	0	39	0
MW-380	Fill - Disturbed Clay & Shale	Detection	NC	None	None	39	0	0
MW-381	Fill - Disturbed Clay & Shale	Detection	NC	None	None	39	0	0
MW-382R	Fill - Disturbed Clay & Shale	Assessment	NC	1,1-dichloroethane	None	0	33	0
MW-390	Silty Clay with Shale	Background	NC	None	None	33	0	0
MW-601	Sandy Lean Clay with Shale	Preliminary	NC	None	None	12	0	0
MW-602	Lean Clay with Shale	Preliminary	NC	None	None	12	0	0
MW-603	Sandy Lean Clay with Shale	Preliminary	NC	None	None	12	0	0
MW-604	Shaley Lean Clay with Shale	Preliminary	NC	None	None	4	0	0
MW-605	Shale bedrock	Preliminary	NC	None	None	0	0	0
Other monitoring points								
SW-1 ¹	N/A	Surface Water	NC	N/A	N/A	N/A	N/A	N/A

¹Surface water sample SW-1 is monitored for Acid Mine Drainage (AMD) constituents.

Table 2 – Monitoring Program Implementation Schedule

Table 2
Monitoring Implementation Schedule
Annual Water Quality Report
SCISWA Landfill
63-SDP-02-77P

Monitoring Well	Recent Sampling Events		Upcoming Sampling		Full Appendix II Sample Dates	
	March 2025	September 2025	March 2026	September 2026	Previously Collected	Next Event
GU-4AR	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD		
MW-300	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD		
MW-303	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD		
MW-304	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD		
MW-307	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD		
MW-312	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD		
MW-313	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD		
MW-335	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD		
MW-344	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	3/16/2012, 9/20/2012, 9/25/2013, 10/02/2018, 9/29/2023	Fall 2028
MW-380	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD		
MW-381	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD		
MW-382R	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	3/16/2012, 9/20/2012, 9/25/2013, 10/02/2018, 9/29/2023	Fall 2028
MW-601	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD		
MW-602	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD		
MW-603	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD		
MW-604	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD		
MW-605	Dry	Dry	Appendix I, AMD	Appendix I, AMD		
MW-390	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD		
Surface Water Monitoring						
SW-1	AMD	Dry	AMD	AMD		

AMD = Acid Mine Drainage parameters (alkalinity (as CaCO3), aluminum, iron, pH, turbidity, and sulfate).

Appendix ⁽¹⁾ = add bis(2-ethylhexyl)phthalate

Table 2A – Summary of All Well Testing to Date

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

WELL	Mar-2008	Apr-2008	Jul-2008	Aug-2008	Sep-2008
GUA-4					
MW-300	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-303	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-304					
MW-307(b)					
MW-312(b)					
MW-313	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-335	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-344	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-380	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-381	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-382R					
MW-384					
MW-385					
MW-390(b)					
SW-1					

WELL	Nov-2008	Mar-2009	May-2009	Jul-2009	Sep-2009
GUA-4					Appendix I
MW-300		Appendix I			Appendix I
MW-303		Appendix I			Appendix I
MW-304					
MW-307(b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-312(b)					
MW-313		Appendix I			Appendix I
MW-335		Appendix I			Appendix I
MW-344		Appendix I			Appendix I
MW-380		Appendix I			Appendix I
MW-381		Appendix I			Appendix I
MW-382R					
MW-384					Appendix I
MW-385					Appendix I
MW-390(b)					
SW-1					

WELL	Dec-2009	Mar-2010	Jul-2010	Sep-2010	Jan-2011
GUA-4	Appendix I	Appendix I	Appendix I	Appendix I	
MW-300		Appendix I		Appendix I	
MW-303		Appendix I		Appendix I	
MW-304					
MW-307(b)		Appendix II	Appendix II	Appendix II	
MW-312(b)					
MW-313		Appendix I		Appendix I	
MW-335		Appendix I		Appendix I	
MW-344		Appendix I		Appendix I	
MW-380		Appendix I		Appendix I	
MW-381		Appendix I		Appendix I	
MW-382R					
MW-384	Appendix I	Appendix I	Appendix I	Appendix I	
MW-385	Appendix I	Appendix I	Appendix I	Appendix I	
MW-390(b)				Appendix I	Appendix I
SW-1					

WELL	Mar-2011	Jun-2011	Aug-2011	Sep-2011	Dec-2011
GUA-4	Appendix I			Appendix I	
MW-300	Appendix I			Appendix I	
MW-303	Appendix I			Appendix I	
MW-304					
MW-307(b)	Appendix I			Appendix I	
MW-312(b)					
MW-313	Appendix I			Appendix I	
MW-335	Appendix I			Appendix I	
MW-344	Appendix I			Appendix I	
MW-380	Appendix I			Appendix I	
MW-381	Appendix I			Appendix I	
MW-382R	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-384	Appendix I			Appendix I	
MW-385	Appendix I			Appendix I	
MW-390(b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
SW-1					

WELL	Mar-2012	Sep-2012	Mar-2013	Sep-2013	Apr-2014
GUA-4	Appendix I		Appendix I		Appendix I
MW-300	Appendix I	Appendix II	Appendix I	Appendix II	Appendix I
MW-303	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-304					
MW-307(b)	Appendix II	Appendix II	Appendix I	Appendix II	Appendix I
MW-312(b)					
MW-313	Appendix I	Appendix II	Appendix I	Appendix II	Appendix I
MW-335	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-344	Appendix II	Appendix II	Appendix I	Appendix II	Appendix I
MW-380	Appendix I	Appendix II	Appendix I	Appendix II	Appendix I
MW-381	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-382R	Appendix II	Appendix II	Appendix I	Appendix II	Appendix I
MW-384	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-385	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-390(b)	Appendix II	Appendix II	Appendix I	Appendix II	Appendix I
SW-1					

WELL	Sep-2014	Mar-2015	Sep-2015	Mar-2016	Oct-2016
GUA-4	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-300	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-303	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-304				Appendix I, AMD	Appendix I, AMD
MW-307(b)	Appendix I, AMD		Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-312(b)			Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-313	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-335	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-344	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-380	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-381	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-382R	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-384	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-385	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-390(b)			Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
SW-1	AMD	AMD	AMD	AMD	AMD

WELL	Jan-2017	Mar-2017	Jum-2017	Sep-2017	Mar-2018
GUA-4		Appendix I, AMD		Appendix I, AMD	Appendix I, AMD
MW-300		Appendix I, AMD		Appendix I, AMD	Appendix I, AMD
MW-303		Appendix I, AMD		Appendix I, AMD	Appendix I, AMD
MW-304	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-307(b)		Appendix I, AMD		Appendix I, AMD	Appendix I, AMD
MW-312(b)		Appendix I, AMD		Appendix I, AMD	Appendix I, AMD
MW-313		Appendix I, AMD		Appendix I, AMD	Appendix I, AMD
MW-335		Appendix I, AMD		Appendix I, AMD	Appendix I, AMD
MW-344		Appendix I, AMD		Appendix I, AMD	Appendix I, AMD
MW-380		Appendix I, AMD		Appendix I, AMD	Appendix I, AMD
MW-381		Appendix I, AMD		Appendix I, AMD	Appendix I, AMD
MW-382R		Appendix I, AMD		Appendix I, AMD	Appendix I, AMD
MW-384		Appendix I, AMD		Appendix I, AMD	Appendix I, AMD
MW-385		Appendix I, AMD		Appendix I, AMD	Appendix I, AMD
MW-390(b)		Appendix I, AMD		Appendix I, AMD	Appendix I, AMD
SW-1		AMD		AMD	AMD

WELL	Oct-2018	Mar-2019	Sep-2019	Mar-2020	Sep-2020
GUA-4	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-300	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-303	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-304	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-307(b)	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	App I, AMD, S ²⁻	App I, AMD, S ²⁻
MW-312(b)	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	App I, AMD, S ²⁻	App I, AMD, S ²⁻
MW-313	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-335	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix II , AMD	Appendix I, AMD
MW-344	Appendix II , AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-380	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-381	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-382R	Appendix II , AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-384	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-385	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD
MW-390(b)	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	App I, AMD, S ²⁻	App I, AMD, S ²⁻
SW-1	AMD	AMD	AMD	AMD	AMD

WELL	Apr-2021	Oct-2021	Apr-2022	9/1/2022	11/15/2022
GUA-4			Appendix I, AMD	Appendix I, AMD	
MW-300	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Co, Ni, Se
MW-303	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	
MW-304	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	
MW-307(b)	App I, AMD, S ²⁻	App I, AMD, S ²⁻	App I, AMD, S ²⁻	App I, AMD, S ²⁻	
MW-312(b)	App I, AMD, S ²⁻	App I, AMD, S ²⁻	App I, AMD, S ²⁻	App I, AMD, S ²⁻	
MW-313	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	
MW-335	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	
MW-344	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	
MW-380	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	
MW-381	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	
MW-382R	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	
MW-384	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	
MW-385	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	
MW-390(b)	App I, AMD, S ²⁻	App I, AMD, S ²⁻	App I, AMD, S ²⁻	App I, AMD, S ²⁻	
SW-1	AMD	AMD	AMD	AMD	
Duplicate				At MW-601	

WELL	3/6/2023	9/29/2023	3/19/2024	9/26/2024	10/3/2024
GU-4A	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	---	---
GU-4AR	---	---	---	---	Appendix I, AMD
MW-300	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	---	Appendix I, AMD
MW-303	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	---	Appendix I, AMD
MW-304	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	---	Appendix I, AMD
MW-307(b)	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	---	Appendix I, AMD
MW-312(b)	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	---	Appendix I, AMD
MW-313	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	---	Appendix I, AMD
MW-335	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	---	Appendix I, AMD
MW-344	Appendix I, AMD	Appendix II , AMD	Appendix I, AMD	---	Appendix I, AMD
MW-380	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	---	Appendix I, AMD
MW-381	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	---	Appendix I, AMD
MW-382R	Appendix I, AMD	Appendix II , AMD	App I, bis, AMD	---	App I, bis, AMD
MW-384	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	---	---
MW-385	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	---	---
MW-390(b)	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	---	Appendix I, AMD
SW-1	AMD	AMD	Dry	---	Dry
MW-601	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	---	Appendix I, AMD
MW-602	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	---	Appendix I, AMD
MW-603	Appendix I, AMD	Appendix I, AMD	Appendix I, AMD	---	Appendix I, AMD
MW-604	---	---	---	Appendix I	Appendix I, AMD
MW-605	---	---	---	Dry	Dry
Duplicate	At MW-601	At MW-390	At MW-381	---	At MW-601

WELL	3/25/2025	9/15/2025			
GU-4AR	Appendix I, AMD	Appendix I, AMD			
MW-300	Appendix I, AMD	Appendix I, AMD			
MW-303	Appendix I, AMD	Appendix I, AMD			
MW-304	Appendix I, AMD	Appendix I, AMD			
MW-307(b)	Appendix I, AMD	Appendix I, AMD			
MW-312(b)	Appendix I, AMD	Appendix I, AMD			
MW-313	Appendix I, AMD	Appendix I, AMD			
MW-335	Appendix I, AMD	Appendix I, AMD			
MW-344	Appendix I, AMD	Appendix I, AMD			
MW-380	Appendix I, AMD	Appendix I, AMD			
MW-381	Appendix I, AMD	Appendix I, AMD			
MW-382R	Appendix I, AMD	Appendix I, AMD			
MW-384	Appendix I, AMD	Appendix I, AMD			
MW-385	Appendix I, AMD	Appendix I, AMD			
MW-390(b)	Appendix I, AMD	Appendix I, AMD			
SW-1	AMD	Dry			
MW-601	Appendix I, AMD	Appendix I, AMD			
MW-602	Appendix I, AMD	Appendix I, AMD			
MW-603	Appendix I, AMD	Appendix I, AMD			
MW-604	Appendix I, AMD	Appendix I, AMD			
MW-605	Dry	Dry			
Duplicate	At MW-604	At MW-602			

(b) = Background

App I = Appendix I

AMD = Acid mine drainage parameters alkalinity, aluminum, iron, pH, and sulfate

S²⁻ = Sulfide

bis = bis(2-ethylhexyl)phthalate

Table 3 – Monitoring Well Maintenance Performance Reevaluation
Schedule

Table 3
Monitoring Well Maintenance and Performance Reevaluation Schedule
Annual Water Quality Report
SCISWA Landfill
Permit No. 63-SDP-02-77P

[illegible][illegible]

Table 4 – Monitoring Well Maintenance Performance Reevaluation
Summary

Table 4
Monitoring Well Maintenance and Performance Summary
Annual Water Quality Report
SCISWA Landfill
Permit No. 63-SDP-02-77P

Well	Top of Casing (ft. AMSL)	Top of Screen (ft. AMSL)	Screen Length (ft.)	Total Depth (ft.)		Date of Measurements		Maximum Depth Discrepancy (ft.)	Hydraulic Cond. (cm/sec)/date	Most Recent Recharge Rate ⁽²⁾	
						3/25/2025	9/15/2025			3/19/2024	Change
MW-300	793.22	783.24	10.00	19.98	Groundwater Level (ft.)	12.42	12.88	0	0.0000033 1997	Minimal Drawdown recovery in 4 hrs	None percieved
					Groundwater Elevation (Ft MSL)	780.80	780.34				
					Measured Well Depth (ft.)	19.98	19.98				
					Submerged screen	N	N				
MW-303	810.22	762.60	10.00	57.62	Groundwater Level (ft.)	32.71	33.40	0	0.0001 1997	No Drawdown	None percieved
					Groundwater Elevation (Ft MSL)	777.51	776.82				
					Measured Well Depth (ft.)	57.62	57.62				
					Submerged screen	Y	Y				
MW-304	818.51	786.25	10.00	42.26	Groundwater Level (ft.)	18.89	19.04	0	0.0000028 1997	Some Drawdown recovery in 3 hrs	None percieved
					Groundwater Elevation (Ft MSL)	799.62	799.47				
					Measured Well Depth (ft.)	42.26	42.26				
					Submerged screen	Y	Y				
MW-307	822.23	794.71	10.00	37.52	Groundwater Level (ft.)	33.15	32.65	0	0.0001 1995	No Drawdown	None percieved
					Groundwater Elevation (Ft MSL)	789.08	789.58				
					Measured Well Depth (ft.)	37.52	37.52				
					Submerged screen	N	N				
MW-312	828.05	798.02	10.00	40.03	Groundwater Level (ft.)	26.46	26.2	0	0.0001 1995	No Drawdown	None percieved
					Groundwater Elevation (Ft MSL)	801.59	801.85				
					Measured Well Depth (ft.)	40.03	40.03				
					Submerged screen	Y	Y				
MW-313	813.06	773.85	10.00	49.21	Groundwater Level (ft.)	7.22	18.15	0.09	0.000000594 1997	Some Drawdown recovery in >4 hrs	None percieved
					Groundwater Elevation (Ft MSL)	805.84	794.91				
					Measured Well Depth (ft.)	49.12	49.12				
					Submerged screen	Y	Y				
MW-335	791.74	759.65	10.00	42.09	Groundwater Level (ft.)	16.04	16.37	0	0.0001 1992	No Drawdown	None percieved
					Groundwater Elevation (Ft MSL)	775.70	775.37				
					Measured Well Depth (ft.)	42.09	42.09				
					Submerged screen	Y	Y				
MW-344	786.50	766.29	10.00	30.21	Groundwater Level (ft.)	9	11.41	-0.29	0.0002 1992	Some Drawdown recovery in 5 hrs	None percieved
					Groundwater Elevation (Ft MSL)	777.50	775.09				
					Measured Well Depth (ft.)	30.5	30.5				
					Submerged screen	Y	Y				
MW-380	789.92	782.30	10.00	17.62	Groundwater Level (ft.)	7.53	7.39	0	0.0000957 2024	Some Drawdown recovery in 1 hr	None percieved
					Groundwater Elevation (Ft MSL)	782.39	782.53				
					Measured Well Depth (ft.)	17.62	17.62				
					Submerged screen	Y	Y				
MW-381	801.43	787.31	10.00	24.12	Groundwater Level (ft.)	10.91	17.05	0	0.00000145 2024	Some Drawdown recovery in >6 hrs	None percieved
					Groundwater Elevation (Ft MSL)	790.52	784.38				
					Measured Well Depth (ft.)	24.12	24.12				
					Submerged screen	Y	N				

Table 4
Monitoring Well Maintenance and Performance Summary
Annual Water Quality Report
SCISWA Landfill
Permit No. 63-SDP-02-77P

Well	Top of Casing (ft. AMSL)	Top of Screen (ft. AMSL)	Screen Length (ft.)	Total Depth (ft.)		Date of Measurements		Maximum Depth Discrepancy (ft.)	Hydraulic Cond. (cm/sec)/date	Most Recent Recharge Rate ⁽²⁾	
						3/25/2025	9/15/2025			3/19/2024	Change
MW-382R	789.90	767.08	10.00	32.82	Groundwater Level (ft.)	12.43	12.64	0	0.0000872 2024	Some Drawdown recovery in <2 hrs	None percieved
					Groundwater Elevation (Ft MSL)	777.47	777.26				
					Measured Well Depth (ft.)	32.82	32.82				
					Submerged screen	Y	Y				
MW-390	834.97	793.32	10.00	51.65	Groundwater Level (ft.)	37.66	37.33	0	0.0000034 2024	Some Drawdown recovery in >18 hrs	None percieved
					Groundwater Elevation (Ft MSL)	797.31	797.64				
					Measured Well Depth (ft.)	51.65	51.65				
					Submerged screen	Y	Y				
MW-601	782.44	773.37	10.00	19.07	Groundwater Level (ft.)	12.86	12.41	-0.68	0.000188 2022	Some Drawdown recovery in <2 hrs	None percieved
					Groundwater Elevation (Ft MSL)	769.58	770.03				
					Measured Well Depth (ft.)	19.75	19.75				
					Submerged screen	N	N				
MW-602	780.46	763.91	10.00	26.55	Groundwater Level (ft.)	17.79	17.66	-0.76	0.0000514 2022	Some Drawdown recovery in <2 hrs	None percieved
					Groundwater Elevation (Ft MSL)	762.67	762.8				
					Measured Well Depth (ft.)	27.31	27.31				
					Submerged screen	N	N				
MW-603	818.55	776.49	10.00	52.06	Groundwater Level (ft.)	38.18	37.35	-0.25	0.000789 2022	Some Drawdown recovery in <2 hrs	None percieved
					Groundwater Elevation (Ft MSL)	780.37	781.2				
					Measured Well Depth (ft.)	52.31	52.31				
					Submerged screen	Y	Y				
MW-604	792.43	763.43	10.00	39.45	Groundwater Level (ft.)	25.85	25.91	0	0.000706 2024	Some Drawdown recovery in <0.5 hrs	None percieved
					Groundwater Elevation (Ft MSL)	766.58	766.52				
					Measured Well Depth (ft.)	39.45	39.45				
					Submerged screen	Y	Y				
MW-605	787.21	775.36	10.00	22.30	Groundwater Level (ft.)	20.15	21.63	0	pending (dry well)	pending (dry well)	pending (dry well)
					Groundwater Elevation (Ft MSL)	767.06	765.58				
					Measured Well Depth (ft.)	22.3	22.3				
					Submerged screen	N	N				

Groundwater Separation Transducer

Transducer Location		Date of Measurements	
		2/28/2025	9/24/2025
4A-GW (Cell 4A)	Bottom of Waste (in. above transducer)	69.00	69.00
	Transducer in horizontal Screen (datum)	0.00	0.00
	Water above transducer (inches)	35.30	47.60
	Separation Distance (inches)	33.70	21.40
	Separation Distance (ft.)	2.81	1.78

Table 4A – Historic Water Elevation Data

Notes:
Total Depth is the depth to from top of casing to bottom of well, measured during the sampling event.
The well depths recorded at MW-344 in 2021 and in April 2022 were erroneous. Well depth was confirmed on September 1, 2022 in satisfaction of IDNR requirements (Doc #103587 and Doc #103598).
NM = Not Measured During Sampling Event

NM = Not Measured During Sampling Event

Table 5 – Background and GWPS Summary

Table 5
Background Data Summary Tables - Control Limits
Annual Water Quality Report
SCISWA Landfill
Permit No. 63-SDP-02-77P

(Control/Prediction Limits that exceed the Statewide Standard are highlighted yellow)
(Site Specific GWPS that vary from the Statewide Standard are in red text)

Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
GU-4AR	Antimony, total	ug/L	6	pending	4.40	6
GU-4AR	Arsenic, total	ug/L	10	pending	22.50	22.5
GU-4AR	Barium, total	ug/L	2000	pending	49.90	2000
GU-4AR	Beryllium, total	ug/L	4	pending	1.00	4
GU-4AR	Cadmium, total	ug/L	5	pending	1.19	5
GU-4AR	Chromium, total	ug/L	100	pending	5.51	100
GU-4AR	Cobalt, total	ug/L	2.1	pending	138.97	138.97
GU-4AR	Copper, total	ug/L	1300	pending	7.99	1300
GU-4AR	Lead, total	ug/L	15	pending	4.78	15
GU-4AR	Nickel, total	ug/L	100	pending	141.19	141.19
GU-4AR	Selenium, total	ug/L	50	pending	6.40	50
GU-4AR	Silver, total	ug/L	100	pending	1.48	100
GU-4AR	Thallium, total	ug/L	2	pending	1.17	2
GU-4AR	Vanadium, total	ug/L	35	pending	8.91	35
GU-4AR	Zinc, total	ug/L	2000	pending	11972.25	11972.25

Table 5
Background Data Summary Tables - Control Limits
Annual Water Quality Report
SCISWA Landfill
Permit No. 63-SDP-02-77P

(Control/Prediction Limits that exceed the Statewide Standard are highlighted yellow)
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Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
MW-300	Antimony, total	ug/L	6	1.00	4.40	6
MW-300	Arsenic, total	ug/L	10	4.77	22.50	22.5
MW-300	Barium, total	ug/L	2000	23.94	49.90	2000
MW-300	Beryllium, total	ug/L	4	0.53	1.00	4
MW-300	Cadmium, total	ug/L	5	10.61	1.19	10.61
MW-300	Chromium, total	ug/L	100	3.69	5.51	100
MW-300	Cobalt, total	ug/L	2.1	653.25	138.97	635.25
MW-300	Copper, total	ug/L	1300	32.00	7.99	1300
MW-300	Lead, total	ug/L	15	2.45	4.78	15
MW-300	Nickel, total	ug/L	100	535.68	141.19	535.68
MW-300	Selenium, total	ug/L	50	3.34	6.40	50
MW-300	Silver, total	ug/L	100	0.56	1.48	100
MW-300	Thallium, total	ug/L	2	0.51	1.17	2
MW-300	Vanadium, total	ug/L	35	2.15	8.91	35
MW-300	Zinc, total	ug/L	2000	1649.11	11972.25	13569.08

Table 5
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Annual Water Quality Report
SCISWA Landfill
Permit No. 63-SDP-02-77P

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Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
MW-303	Antimony, total	ug/L	6	0.53	4.40	6
MW-303	Arsenic, total	ug/L	10	3.56	22.50	22.5
MW-303	Barium, total	ug/L	2000	179.90	49.90	2000
MW-303	Beryllium, total	ug/L	4	0.27	1.00	4
MW-303	Cadmium, total	ug/L	5	0.10	1.19	5
MW-303	Chromium, total	ug/L	100	4.76	5.51	100
MW-303	Cobalt, total	ug/L	2.1	37.33	138.97	139.58
MW-303	Copper, total	ug/L	1300	2.00	7.99	1300
MW-303	Lead, total	ug/L	15	3.86	4.78	15
MW-303	Nickel, total	ug/L	100	104.03	141.19	141.19
MW-303	Selenium, total	ug/L	50	1.00	6.40	50
MW-303	Silver, total	ug/L	100	0.37	1.48	100
MW-303	Thallium, total	ug/L	2	0.90	1.17	2
MW-303	Vanadium, total	ug/L	35	8.73	8.91	35
MW-303	Zinc, total	ug/L	2000	271.62	11972.25	11972.25

Table 5
Background Data Summary Tables - Control Limits
Annual Water Quality Report
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Permit No. 63-SDP-02-77P

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Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
MW-304	Antimony, total	ug/L	6	0.82	4.40	6
MW-304	Arsenic, total	ug/L	10	14.68	22.50	22.50
MW-304	Barium, total	ug/L	2000	171.80	49.90	2000
MW-304	Beryllium, total	ug/L	4	0.22	1.00	4
MW-304	Cadmium, total	ug/L	5	0.05	1.19	5
MW-304	Chromium, total	ug/L	100	1.28	5.51	100
MW-304	Cobalt, total	ug/L	2.1	26.80	138.97	138.97
MW-304	Copper, total	ug/L	1300	2.87	7.99	1300
MW-304	Lead, total	ug/L	15	0.74	4.78	15
MW-304	Nickel, total	ug/L	100	19.25	141.19	141.19
MW-304	Selenium, total	ug/L	50	1.24	6.40	50
MW-304	Silver, total	ug/L	100	0.18	1.48	100
MW-304	Thallium, total	ug/L	2	0.26	1.17	2
MW-304	Vanadium, total	ug/L	35	0.84	8.91	35
MW-304	Zinc, total	ug/L	2000	18.91	11972.25	11972.25

Table 5
Background Data Summary Tables - Control Limits
Annual Water Quality Report
SCISWA Landfill
Permit No. 63-SDP-02-77P

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Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
MW-307	Antimony, total	ug/L	6	1.00	4.40	6
MW-307	Arsenic, total	ug/L	10	10.80	22.50	22.50
MW-307	Barium, total	ug/L	2000	22.48	49.90	2000
MW-307	Beryllium, total	ug/L	4	2.26	1.00	4
MW-307	Cadmium, total	ug/L	5	1.57	1.19	5
MW-307	Chromium, total	ug/L	100	1.60	5.51	100
MW-307	Cobalt, total	ug/L	2.1	121.65	138.97	138.97
MW-307	Copper, total	ug/L	1300	2.19	7.99	1300
MW-307	Lead, total	ug/L	15	0.77	4.78	15
MW-307	Nickel, total	ug/L	100	208.84	141.19	208.84
MW-307	Selenium, total	ug/L	50	10.65	6.40	50
MW-307	Silver, total	ug/L	100	0.42	1.48	100
MW-307	Thallium, total	ug/L	2	0.27	1.17	2
MW-307	Vanadium, total	ug/L	35	1.10	8.91	35
MW-307	Zinc, total	ug/L	2000	1065.97	11972.25	11972.25

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Background Data Summary Tables - Control Limits
Annual Water Quality Report
SCISWA Landfill
Permit No. 63-SDP-02-77P

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Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
MW-312	Antimony, total	ug/L	6	1.00	4.40	6
MW-312	Arsenic, total	ug/L	10	3.49	22.50	22.50
MW-312	Barium, total	ug/L	2000	33.65	49.90	2000
MW-312	Beryllium, total	ug/L	4	1.19	1.00	4
MW-312	Cadmium, total	ug/L	5	0.25	1.19	5
MW-312	Chromium, total	ug/L	100	3.90	5.51	100
MW-312	Cobalt, total	ug/L	2.1	82.41	138.97	138.97
MW-312	Copper, total	ug/L	1300	2.19	7.99	1300
MW-312	Lead, total	ug/L	15	1.67	4.78	15
MW-312	Nickel, total	ug/L	100	227.83	141.19	227.83
MW-312	Selenium, total	ug/L	50	1.00	6.40	50
MW-312	Silver, total	ug/L	100	0.42	1.48	100
MW-312	Thallium, total	ug/L	2	0.27	1.17	2
MW-312	Vanadium, total	ug/L	35	1.10	8.91	35
MW-312	Zinc, total	ug/L	2000	307.97	11972.25	11972.25

Table 5
Background Data Summary Tables - Control Limits
Annual Water Quality Report
SCISWA Landfill
Permit No. 63-SDP-02-77P

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Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
MW-313	Antimony, total	ug/L	6	1.00	4.40	6
MW-313	Arsenic, total	ug/L	10	38.65	22.50	38.65
MW-313	Barium, total	ug/L	2000	94.69	49.90	2000
MW-313	Beryllium, total	ug/L	4	0.27	1.00	4
MW-313	Cadmium, total	ug/L	5	0.39	1.19	5
MW-313	Chromium, total	ug/L	100	2.98	5.51	100
MW-313	Cobalt, total	ug/L	2.1	105.21	138.97	138.97
MW-313	Copper, total	ug/L	1300	2.99	7.99	1300
MW-313	Lead, total	ug/L	15	1.71	4.78	15
MW-313	Nickel, total	ug/L	100	151.76	141.19	151.76
MW-313	Selenium, total	ug/L	50	1.00	6.40	50
MW-313	Silver, total	ug/L	100	0.37	1.48	100
MW-313	Thallium, total	ug/L	2	0.26	1.17	2
MW-313	Vanadium, total	ug/L	35	131.26	8.91	131.26
MW-313	Zinc, total	ug/L	2000	161.45	11972.25	11972.25

Table 5
Background Data Summary Tables - Control Limits
Annual Water Quality Report
SCISWA Landfill
Permit No. 63-SDP-02-77P

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Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
MW-335	Antimony, total	ug/L	6	0.74	4.40	6
MW-335	Arsenic, total	ug/L	10	11.69	22.50	22.50
MW-335	Barium, total	ug/L	2000	33.34	49.90	2000
MW-335	Beryllium, total	ug/L	4	1.02	1.00	4
MW-335	Cadmium, total	ug/L	5	1.24	1.19	5
MW-335	Chromium, total	ug/L	100	2.93	5.51	100
MW-335	Cobalt, total	ug/L	2.1	198.93	138.97	198.93
MW-335	Copper, total	ug/L	1300	2.00	7.99	1300
MW-335	Lead, total	ug/L	15	1.82	4.78	15
MW-335	Nickel, total	ug/L	100	520.13	141.19	520.13
MW-335	Selenium, total	ug/L	50	1.00	6.40	50
MW-335	Silver, total	ug/L	100	0.37	1.48	100
MW-335	Thallium, total	ug/L	2	0.27	1.17	2
MW-335	Vanadium, total	ug/L	35	1.10	8.91	35
MW-335	Zinc, total	ug/L	2000	375.56	11972.25	11972.25

Table 5
Background Data Summary Tables - Control Limits
Annual Water Quality Report
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Permit No. 63-SDP-02-77P

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Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
MW-344	Antimony, total	ug/L	6	5.02	4.40	6
MW-344	Arsenic, total	ug/L	10	4.80	22.50	22.50
MW-344	Barium, total	ug/L	2000	34.26	49.90	2000
MW-344	Beryllium, total	ug/L	4	0.04	1.00	4
MW-344	Cadmium, total	ug/L	5	1.31	1.19	5
MW-344	Chromium, total	ug/L	100	5.52	5.51	100
MW-344	Cobalt, total	ug/L	2.1	558.63	138.97	558.63
MW-344	Copper, total	ug/L	1300	2.00	7.99	1300
MW-344	Lead, total	ug/L	15	0.73	4.78	15
MW-344	Nickel, total	ug/L	100	496.86	141.19	496.86
MW-344	Selenium, total	ug/L	50	1.06	6.40	50
MW-344	Silver, total	ug/L	100	0.37	1.48	100
MW-344	Thallium, total	ug/L	2	0.26	1.17	2
MW-344	Vanadium, total	ug/L	35	1.10	8.91	35
MW-344	Zinc, total	ug/L	2000	288.40	11972.25	11972.25

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Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
MW-380	Antimony, total	ug/L	6	1.10	4.40	6
MW-380	Arsenic, total	ug/L	10	14.66	22.50	22.50
MW-380	Barium, total	ug/L	2000	17.51	49.90	2000
MW-380	Beryllium, total	ug/L	4	26.02	1.00	26.02
MW-380	Cadmium, total	ug/L	5	33.24	1.19	33.24
MW-380	Chromium, total	ug/L	100	61.90	5.51	100
MW-380	Cobalt, total	ug/L	2.1	2927.73	138.97	2927.73
MW-380	Copper, total	ug/L	1300	60.98	7.99	1300
MW-380	Lead, total	ug/L	15	11.41	4.78	15
MW-380	Nickel, total	ug/L	100	4173.93	141.19	4173.93
MW-380	Selenium, total	ug/L	50	48.19	6.40	50
MW-380	Silver, total	ug/L	100	1.00	1.48	100
MW-380	Thallium, total	ug/L	2	2.79	1.17	2.79
MW-380	Vanadium, total	ug/L	35	27.41	8.91	35
MW-380	Zinc, total	ug/L	2000	12325.21	11972.25	12325.21

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Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
MW-381	Antimony, total	ug/L	6	0.74	4.40	6
MW-381	Arsenic, total	ug/L	10	7.14	22.50	22.5
MW-381	Barium, total	ug/L	2000	32.10	49.90	2000
MW-381	Beryllium, total	ug/L	4	0.27	1.00	4
MW-381	Cadmium, total	ug/L	5	1.77	1.19	5
MW-381	Chromium, total	ug/L	100	3.90	5.51	100
MW-381	Cobalt, total	ug/L	2.1	65.49	138.97	138.97
MW-381	Copper, total	ug/L	1300	6.39	7.99	1300
MW-381	Lead, total	ug/L	15	1.62	4.78	15
MW-381	Nickel, total	ug/L	100	133.45	141.19	141.19
MW-381	Selenium, total	ug/L	50	1.00	6.40	50
MW-381	Silver, total	ug/L	100	0.37	1.48	100
MW-381	Thallium, total	ug/L	2	0.26	1.17	2
MW-381	Vanadium, total	ug/L	35	2.98	8.91	35
MW-381	Zinc, total	ug/L	2000	269.67	11972.25	11972.25

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Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
MW-382R	Antimony, total	ug/L	6	0.74	4.40	6
MW-382R	Arsenic, total	ug/L	10	0.88	22.50	22.5
MW-382R	Barium, total	ug/L	2000	40.43	49.90	2000
MW-382R	Beryllium, total	ug/L	4	0.27	1.00	4
MW-382R	Cadmium, total	ug/L	5	0.11	1.19	5
MW-382R	Chromium, total	ug/L	100	5.91	5.51	100
MW-382R	Cobalt, total	ug/L	2.1	16.55	138.97	138.97
MW-382R	Copper, total	ug/L	1300	2.00	7.99	1300
MW-382R	Lead, total	ug/L	15	0.59	4.78	15
MW-382R	Nickel, total	ug/L	100	10.33	141.19	141.19
MW-382R	Selenium, total	ug/L	50	1.00	6.40	50
MW-382R	Silver, total	ug/L	100	0.42	1.48	100
MW-382R	Thallium, total	ug/L	2	0.26	1.17	2
MW-382R	Vanadium, total	ug/L	35	2.15	8.91	35
MW-382R	Zinc, total	ug/L	2000	175.00	11972.25	11972.25

Table 5
Background Data Summary Tables - Control Limits
Annual Water Quality Report
SCISWA Landfill
Permit No. 63-SDP-02-77P

(Control/Prediction Limits that exceed the Statewide Standard are highlighted yellow)
(Site Specific GWPS that vary from the Statewide Standard are in red text)

Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
MW-390	Antimony, total	ug/L	6	1.00	4.40	6
MW-390	Arsenic, total	ug/L	10	33.72	22.50	33.72
MW-390	Barium, total	ug/L	2000	70.39	49.90	2000
MW-390	Beryllium, total	ug/L	4	0.27	1.00	4
MW-390	Cadmium, total	ug/L	5	1.75	1.19	5
MW-390	Chromium, total	ug/L	100	5.51	5.51	100
MW-390	Cobalt, total	ug/L	2.1	155.48	138.97	155.48
MW-390	Copper, total	ug/L	1300	2.19	7.99	1300
MW-390	Lead, total	ug/L	15	5.38	4.78	15
MW-390	Nickel, total	ug/L	100	85.05	141.19	141.19
MW-390	Selenium, total	ug/L	50	1.00	6.40	50
MW-390	Silver, total	ug/L	100	0.42	1.48	100
MW-390	Thallium, total	ug/L	2	1.17	1.17	2
MW-390	Vanadium, total	ug/L	35	8.91	8.91	35
MW-390	Zinc, total	ug/L	2000	598.18	11972.25	11972.25

Table 5
Background Data Summary Tables - Control Limits
Annual Water Quality Report
SCISWA Landfill
Permit No. 63-SDP-02-77P

(Control/Prediction Limits that exceed the Statewide Standard are highlighted yellow)
(Site Specific GWPS that vary from the Statewide Standard are in red text)

Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
MW-601	Antimony, total	ug/L	6	2.00	4.40	6
MW-601	Arsenic, total	ug/L	10	3.82	22.50	22.5
MW-601	Barium, total	ug/L	2000	53.27	49.90	2000
MW-601	Beryllium, total	ug/L	4	1.08	1.00	4
MW-601	Cadmium, total	ug/L	5	2.46	1.19	5
MW-601	Chromium, total	ug/L	100	4.40	5.51	100
MW-601	Cobalt, total	ug/L	2.1	708.16	138.97	708.16
MW-601	Copper, total	ug/L	1300	4.00	7.99	1300
MW-601	Lead, total	ug/L	15	2.57	4.78	15
MW-601	Nickel, total	ug/L	100	1124.38	141.19	1124.38
MW-601	Selenium, total	ug/L	50	3.84	6.40	50
MW-601	Silver, total	ug/L	100	1.68	1.48	100
MW-601	Thallium, total	ug/L	2	1.04	1.17	2
MW-601	Vanadium, total	ug/L	35	4.40	8.91	35
MW-601	Zinc, total	ug/L	2000	753.48	11972.25	11972.25

Table 5
Background Data Summary Tables - Control Limits
Annual Water Quality Report
SCISWA Landfill
Permit No. 63-SDP-02-77P

(Control/Prediction Limits that exceed the Statewide Standard are highlighted yellow)
(Site Specific GWPS that vary from the Statewide Standard are in red text)

Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
MW-602	Antimony, total	ug/L	6	1.10	4.40	6
MW-602	Arsenic, total	ug/L	10	9.42	22.50	22.5
MW-602	Barium, total	ug/L	2000	16.64	49.90	2000
MW-602	Beryllium, total	ug/L	4	0.54	1.00	4
MW-602	Cadmium, total	ug/L	5	2.45	1.19	5
MW-602	Chromium, total	ug/L	100	1.10	5.51	100
MW-602	Cobalt, total	ug/L	2.1	344.66	138.97	344.66
MW-602	Copper, total	ug/L	1300	4.00	7.99	1300
MW-602	Lead, total	ug/L	15	0.96	4.78	15
MW-602	Nickel, total	ug/L	100	527.13	141.19	527.13
MW-602	Selenium, total	ug/L	50	1.00	6.40	50
MW-602	Silver, total	ug/L	100	0.42	1.48	100
MW-602	Thallium, total	ug/L	2	0.26	1.17	2
MW-602	Vanadium, total	ug/L	35	1.10	8.91	35
MW-602	Zinc, total	ug/L	2000	277.09	11972.25	11972.25

Table 5
Background Data Summary Tables - Control Limits
Annual Water Quality Report
SCISWA Landfill
Permit No. 63-SDP-02-77P

(Control/Prediction Limits that exceed the Statewide Standard are highlighted yellow)
(Site Specific GWPS that vary from the Statewide Standard are in red text)

Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
MW-603	Antimony, total	ug/L	6	1.10	4.40	6
MW-603	Arsenic, total	ug/L	10	10.36	22.50	22.5
MW-603	Barium, total	ug/L	2000	77.09	49.90	2000
MW-603	Beryllium, total	ug/L	4	0.27	1.00	4
MW-603	Cadmium, total	ug/L	5	0.52	1.19	5
MW-603	Chromium, total	ug/L	100	4.40	5.51	100
MW-603	Cobalt, total	ug/L	2.1	113.83	138.97	138.97
MW-603	Copper, total	ug/L	1300	3.20	7.99	1300
MW-603	Lead, total	ug/L	15	3.94	4.78	15
MW-603	Nickel, total	ug/L	100	67.72	141.19	141.19
MW-603	Selenium, total	ug/L	50	1.00	6.40	50
MW-603	Silver, total	ug/L	100	0.42	1.48	100
MW-603	Thallium, total	ug/L	2	0.26	1.17	2
MW-603	Vanadium, total	ug/L	35	4.40	8.91	35
MW-603	Zinc, total	ug/L	2000	40.04	11972.25	11972.25

Table 5
Background Data Summary Tables - Control Limits
Annual Water Quality Report
SCISWA Landfill
Permit No. 63-SDP-02-77P

(Control/Prediction Limits that exceed the Statewide Standard are highlighted yellow)
(Site Specific GWPS that vary from the Statewide Standard are in red text)

Monitoring Point	Compound	Units	IAC 567-137 Statewide Standards	Intrawell Statistical Control Limit	Interwell Statistical Prediction Limit	Site-Specific GWPS Utilized
MW-604	Antimony, total	ug/L	6	pending	4.40	6
MW-604	Arsenic, total	ug/L	10	pending	22.50	22.5
MW-604	Barium, total	ug/L	2000	85.87	49.90	2000
MW-604	Beryllium, total	ug/L	4	pending	1.00	4
MW-604	Cadmium, total	ug/L	5	pending	1.19	5
MW-604	Chromium, total	ug/L	100	25.25	5.51	100
MW-604	Cobalt, total	ug/L	2.1	121.85	138.97	138.97
MW-604	Copper, total	ug/L	1300	pending	7.99	1300
MW-604	Lead, total	ug/L	15	pending	4.78	15
MW-604	Nickel, total	ug/L	100	218.31	141.19	218.31
MW-604	Selenium, total	ug/L	50	pending	6.40	50
MW-604	Silver, total	ug/L	100	pending	1.48	100
MW-604	Thallium, total	ug/L	2	pending	1.17	2
MW-604	Vanadium, total	ug/L	35	pending	8.91	35
MW-604	Zinc, total	ug/L	2000	103.96	11972.25	11972.25

Table 5A – Acid Mine Drainage Testing Parameters Summary

Table 5A
Alternate Source Evaluation Summary
Annual Water Quality Report
SCISWA Sanitary Landfill
Permit No. 63-SDP-02-77P

Acid Mine Drainage Constituents - March 25, 2025						
Monitoring Location	pH	Alkalinity (CaCO ₃)	Aluminum	Iron	Sulfate	Turbidity
	(S.U.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(NTU)
Limit	≤ 6.5	1,000	0.1	0.3	100	5.0
MW-300	5.7	73	569	181,000	2,450	8.49
MW-303	6.4	554	99	1,760	89.9	3.41
MW-304	6.8	378	<50	1,410	45.6	5.62
MW-307	5.6	<10	278	257,000	2,030	2.21
MW-312	6.1	334	95	7,040	361	2.34
MW-313	6.7	404	149	9,220	1,660	4.12
MW-335	6.2	524	303	13,100	2,370	23.34
MW-344	5.7	200	180	14,900	2,180	44.09
MW-380	4.7	12	1,660	38,600	1,380	9.99
MW-381	6.5	191	172	105	657	4.08
MW-382R	6.6	382	132	<100	1,030	2.05
MW-390	6.0	99	179	133,000	1,820	2.34
GU-4AR	5.9	<10	220	196,000	2,350	31.39
SW-1	7.1	81	115	717	2,380	4.68
MW-601	6.6	163	106	133	771	2.52
MW-602	5.5	<10	172	63,700	1,810	9.16
MW-603	6.3	378	186	47,600	2,670	4.12
MW-604	5.9	55	159	78,900	2,100	2.76
MW-605	Dry	Dry	Dry	Dry	Dry	Dry

Acid Mine Drainage Constituents - September 15, 2025						
Monitoring Location	pH	Alkalinity (CaCO ₃)	Aluminum	Iron	Sulfate	Turbidity
	(S.U.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(NTU)
Limit	≤ 6.5	1,000	0.1	0.3	100	5.0
MW-300	5.6	179	0.914	203	3,700	1.83
MW-303	6.4	562	<0.050	0.887	120	2.61
MW-304	6.8	374	<0.050	<0.100	47.1	4.54
MW-307	5.8	<50	0.09	230	2,200	1.21
MW-312	6.1	335	<0.050	8.05	409	6.44
MW-313	6.6	480	<0.050	10.6	2,130	120.40
MW-335	6.4	540	<0.050	4.0	2,780	7.56
MW-344	5.7	227	<0.050	17.2	2,610	171.90
MW-380	5.2	<50	1.81	139	1,890	63.05
MW-381	6.4	256	<0.050	<0.100	631	0.61
MW-382R	6.3	398	<0.050	1.19	1,420	6.31
MW-390	6.0	222	<0.050	131	1,830	1.75
MW-601	6.4	241	field error	field error	785	96.79
MW-602	5.6	80	<0.050	107	2,200	17.26
MW-603	6.4	393	<0.050	49.6	3,210	14.97
MW-604	5.8	121	<0.050	84.2	2,650	2.06
MW-605	Dry	Dry	Dry	Dry	Dry	Dry
GU-4AR	5.8	92	<0.050	203	2,750	5.62
SW-1	Dry	Dry	Dry	Dry	Dry	Dry

Notes:

= elevated above standards.

Discussion on acid mine drainage (AMD) is provided in the AWQR.

Table 6 – Summary of Detections

Table 6
Summary of Well/Detected Constituent Pairs that Exceed the Prediction Limit
Annual Water Quality Report
SCISWA Sanitary Landfill
Permit No. 63-SDP-02-77P

Well	Compound	Date	Result (ug/L)	Prediction Limit (ug/L)	Monitoring Program
MW-344	cis-1,2-DCE	3/25/2025	1.600	1.0	Assessment Monitoring
MW-344	cis-1,2-DCE	9/15/2025	1.600	1.0	Assessment Monitoring
MW-382R	1,1-dichloroethane	9/15/2025	1.20	1.0	Assessment Monitoring

Table 7 – Summary of Ongoing and Newly Identified SSI

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
SCISWA Sanitary Landfill
Permit No. 63-SDP-02-77P

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-344	1,1-dichloroethane	3/27/2013	<1	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	9/25/2013	<1	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	4/15/2014	<1	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	9/26/2014	<1	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	3/12/2015	<1	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	9/2/2015	<1	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	3/23/2016	<1	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	10/19/2016	<1	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	3/7/2017	0.290	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	9/26/2017	0.475	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	3/14/2018	0.474	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	10/2/2018	<1	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	3/28/2019	<1	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	9/24/2019	<1	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	3/10/2020	<1	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	9/15/2020	0.408	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	4/15/2021	0.345	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	10/27/2021	<1	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	4/14/2022	<1	1.00	---	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	9/1/2022	<1	1.00	0.031	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	3/6/2023	<1	1.00	0.500	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	9/29/2023	<1	1.00	0.500	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	3/19/2024	<1	1.00	0.500	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	10/3/2024	<1	1.00	0.500	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	3/25/2025	<1	1.00	0.500	140	N/A	N/A	3/27/2013
MW-344	1,1-dichloroethane	9/15/2025	<1	1.00	0.500	140	N/A	N/A	3/27/2013

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
SCISWA Sanitary Landfill
Permit No. 63-SDP-02-77P

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-344	Benzene	3/27/2013	<1	1.00	---	5	N/A	N/A	3/27/2013
MW-344	Benzene	9/25/2013	0.215	1.00	---	5	N/A	N/A	3/27/2013
MW-344	Benzene	4/15/2014	0.268	1.00	---	5	N/A	N/A	3/27/2013
MW-344	Benzene	9/26/2014	0.198	1.00	---	5	N/A	N/A	3/27/2013
MW-344	Benzene	3/12/2015	0.281	1.00	---	5	N/A	N/A	3/27/2013
MW-344	Benzene	9/2/2015	<1	1.00	---	5	N/A	N/A	3/27/2013
MW-344	Benzene	3/23/2016	<1	1.00	---	5	N/A	N/A	3/27/2013
MW-344	Benzene	10/19/2016	0.594	1.00	---	5	N/A	N/A	3/27/2013
MW-344	Benzene	3/7/2017	0.543	1.00	---	5	N/A	N/A	3/27/2013
MW-344	Benzene	9/26/2017	0.894	1.00	---	5	N/A	N/A	3/27/2013
MW-344	Benzene	3/14/2018	0.715	1.00	---	5	N/A	N/A	3/27/2013
MW-344	Benzene	10/2/2018	0.732	1.00	---	5	N/A	N/A	3/27/2013
MW-344	Benzene	3/28/2019	<1	1.00	---	5	N/A	N/A	3/27/2013
MW-344	Benzene	9/24/2019	0.541	1.00	---	5	N/A	N/A	3/27/2013
MW-344	Benzene	3/10/2020	<1	1.00	---	5	N/A	N/A	3/27/2013
MW-344	Benzene	9/15/2020	0.836	1.00	---	5	N/A	N/A	3/27/2013
MW-344	Benzene	4/15/2021	0.722	1.00	0.220	5	N/A	N/A	3/27/2013
MW-344	Benzene	10/27/2021	0.918	1.00	0.268	5	N/A	N/A	3/27/2013
MW-344	Benzene	4/14/2022	0.390	1.00	0.310	5	N/A	N/A	3/27/2013
MW-344	Benzene	9/1/2022	<1	1.00	0.211	5	N/A	N/A	3/27/2013
MW-344	Benzene	3/6/2023	<1	1.00	0.078	5	N/A	N/A	3/27/2013
MW-344	Benzene	9/29/2023	1.10	1.00	0.019	5	N/A	N/A	3/27/2013
MW-344	Benzene	3/19/2024	<1	1.00	0.390	5	N/A	N/A	3/27/2013
MW-344	Benzene	10/3/2024	<1	1.00	0.390	5	N/A	N/A	3/27/2013
MW-344	Benzene	3/25/2025	<1	1.00	0.390	5	N/A	N/A	3/27/2013
MW-344	Benzene	9/15/2025	<1	1.00	0.500	5	N/A	N/A	3/27/2013

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
SCISWA Sanitary Landfill
Permit No. 63-SDP-02-77P

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-344	cis-1,2-DCE	3/27/2013	0.301	1.00	---	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	9/25/2013	0.976	1.00	---	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	4/15/2014	1.30	1.00	---	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	9/26/2014	0.819	1.00	---	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	3/12/2015	<1	1.00	---	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	9/2/2015	1.14	1.00	---	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	3/23/2016	1.12	1.00	---	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	10/19/2016	2.04	1.00	---	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	3/7/2017	1.82	1.00	---	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	9/26/2017	2.48	1.00	---	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	3/14/2018	2.24	1.00	---	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	10/2/2018	1.90	1.00	---	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	3/28/2019	1.18	1.00	---	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	9/24/2019	1.82	1.00	---	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	3/10/2020	1.36	1.00	---	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	9/15/2020	2.44	1.00	---	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	4/15/2021	2.02	1.00	1.077	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	10/27/2021	2.18	1.00	1.125	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	4/14/2022	1.27	1.00	1.134	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	9/1/2022	1.90	1.00	1.374	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	3/6/2023	<1	1.00	0.585	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	9/29/2023	2.40	1.00	0.552	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	3/19/2024	1.10	1.00	0.484	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	10/3/2024	1.80	1.00	0.478	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	3/25/2025	1.60	1.00	1.092	70	4/15/2014	N/A	3/27/2013
MW-344	cis-1,2-DCE	9/15/2025	1.60	1.00	1.174	70	4/15/2014	N/A	3/27/2013

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Annual Water Quality Report
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Permit No. 63-SDP-02-77P

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-344	Vinyl Chloride	3/27/2013	1.32	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	9/25/2013	0.858	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	4/15/2014	0.884	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	9/26/2014	0.484	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	3/12/2015	0.428	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	9/2/2015	<1	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	3/23/2016	<1	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	10/19/2016	0.587	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	3/7/2017	1.05	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	9/26/2017	0.705	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	3/14/2018	0.569	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	10/2/2018	<1	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	3/28/2019	<1	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	9/24/2019	0.513	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	3/10/2020	<1	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	9/15/2020	0.903	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	4/15/2021	0.840	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	10/27/2021	0.986	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	4/14/2022	0.383	1.00	---	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	9/1/2022	<1	1.00	0.231	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	3/6/2023	<1	1.00	0.277	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	9/29/2023	<1	1.00	0.402	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	3/19/2024	<1	1.00	0.500	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	10/3/2024	<1	1.00	0.500	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	3/25/2025	<1	1.00	0.500	2	3/27/2013	N/A	3/27/2013
MW-344	Vinyl Chloride	9/15/2025	<1	1.00	0.500	2	3/27/2013	N/A	3/27/2013

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

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Annual Water Quality Report
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Permit No. 63-SDP-02-77P

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-382R	1,1-dichloroethane	3/27/2013	2.43	1.00	---	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	9/25/2013	2.00	1.00	---	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	4/15/2014	3.54	1.00	---	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	9/26/2014	2.00	1.00	---	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	3/12/2015	2.23	1.00	---	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	9/2/2015	1.62	1.00	---	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	3/23/2016	1.65	1.00	---	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	10/19/2016	2.31	1.00	---	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	3/7/2017	1.81	1.00	---	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	9/26/2017	1.93	1.00	---	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	3/14/2018	2.60	1.00	---	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	10/2/2018	1.51	1.00	---	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	3/28/2019	1.60	1.00	---	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	9/24/2019	1.71	1.00	---	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	3/10/2020	1.74	1.00	---	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	9/15/2020	2.00	1.00	---	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	4/15/2021	1.41	1.00	1.712	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	10/27/2021	1.69	1.00	1.710	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	4/14/2022	1.09	1.00	1.653	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	9/1/2022	<1	1.00	0.571	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	3/6/2023	1.40	1.00	0.571	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	9/29/2023	<1	1.00	0.345	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	3/19/2024	<1	1.00	0.339	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	10/3/2024	1.40	1.00	0.339	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	3/25/2025	<1	1.00	0.196	140	3/27/2013	N/A	3/27/2013
MW-382R	1,1-dichloroethane	9/15/2025	1.20	1.00	0.348	140	3/27/2013	N/A	3/27/2013

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Permit No. 63-SDP-02-77P

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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-382R	cis-1,2-DCE	3/27/2013	0.383	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	9/25/2013	0.320	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	4/15/2014	0.267	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	9/26/2014	0.270	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	3/12/2015	<1	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	9/2/2015	<1	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	3/23/2016	<1	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	10/19/2016	0.414	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	3/7/2017	0.385	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	9/26/2017	0.484	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	3/14/2018	0.449	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	10/2/2018	0.401	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	3/28/2019	0.439	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	9/24/2019	0.345	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	3/10/2020	<1	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	9/15/2020	0.487	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	4/15/2021	0.289	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	10/27/2021	0.406	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	4/14/2022	0.307	1.00	---	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	9/1/2022	<1	1.00	0.261	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	3/6/2023	<1	1.00	0.320	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	9/29/2023	<1	1.00	0.338	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	3/19/2024	<1	1.00	0.500	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	10/3/2024	<1	1.00	0.500	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	3/25/2025	<1	1.00	0.500	70	N/A	N/A	3/27/2013
MW-382R	cis-1,2-DCE	9/15/2025	<1	1.00	0.500	70	N/A	N/A	3/27/2013

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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-382R	Vinyl Chloride	3/27/2013	<1	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	9/25/2013	0.345	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	4/15/2014	<1	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	9/26/2014	<1	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	3/12/2015	<1	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	9/2/2015	<1	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	3/23/2016	<1	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	10/19/2016	<1	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	3/7/2017	<1	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	9/26/2017	<1	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	3/14/2018	0.295	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	10/2/2018	<1	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	3/28/2019	<1	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	9/24/2019	<1	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	3/10/2020	<1	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	9/15/2020	<1	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	4/15/2021	0.206	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	10/27/2021	0.241	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	4/14/2022	<1	1.00	---	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	9/1/2022	<1	1.00	0.207	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	3/6/2023	<1	1.00	0.251	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	9/29/2023	<1	1.00	0.500	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	3/19/2024	<1	1.00	0.500	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	10/3/2024	<1	1.00	0.500	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	3/25/2025	<1	1.00	0.500	2	N/A	N/A	3/27/2013
MW-382R	Vinyl Chloride	9/15/2025	<1	1.00	0.500	2	N/A	N/A	3/27/2013

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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-382R	bis(2-ethylhexyl)phthalate	3/27/2013	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	9/25/2013	<6	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	4/15/2014	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	9/26/2014	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	3/12/2015	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	9/2/2015	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	3/23/2016	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	10/19/2016	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	3/7/2017	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	9/26/2017	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	3/14/2018	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	10/2/2018	<6	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	3/28/2019	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	9/24/2019	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	3/10/2020	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	9/15/2020	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	4/15/2021	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	10/27/2021	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	4/14/2022	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	9/1/2022	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	3/6/2023	NT	6.00	---	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	9/29/2023	16.000	6.00	1.280	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	3/19/2024	<6	6.00	1.280	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	10/3/2024	<6	6.00	1.280	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	3/25/2025	NT	6.00	1.280	6	9/29/2023	N/A	pending
MW-382R	bis(2-ethylhexyl)phthalate	9/15/2025	NT	6.00	1.280	6	9/29/2023	N/A	pending

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

Table 8 - Summary of Ongoing and Newly Identified SSL
NOT USED

Table 9 – Analytical Data Summary

Table 9

Analytical Data Summary for GU-4AR

Constituents	Units	10/3/2024	3/25/2025	9/15/2025
1,1,1,2-Tetrachloroethane	ug/L	<1	<1	<1
1,1,1-Trichloroethane	ug/L	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/L	<1	<1	<1
1,1,2-Trichloroethane	ug/L	<1	<1	<1
1,1-Dichloroethane	ug/L	<1	<1	<1
1,1-Dichloroethene	ug/L	<1	<1	<1
1,2,3-Trichloropropane	ug/L	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/L	<5	<5	<5
1,2-Dibromoethane	ug/L	<1	<1	<1
1,2-Dichlorobenzene	ug/L	<1	<1	<1
1,2-Dichloroethane	ug/L	<1	<1	<1
1,2-Dichloropropane	ug/L	<1	<1	<1
1,4-Dichlorobenzene	ug/L	<1	<1	<1
2-Butanone	ug/L	<10	<10	<10
2-Hexanone	ug/L	<5	<5	<5
4-Methyl-2-pentanone	ug/L	<5	<5	<5
Acetone	ug/L	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5
Alkalinity as CaCO3	mg/L	146	<10	92
Aluminum	ug/L	111	220	<50
Antimony	ug/L	<2	<1	<1
Arsenic	ug/L	4.1	<2.0	2.7
Barium	ug/L	12.1	11.4	11.0
Benzene	ug/L	<1	<1	<1
Beryllium	ug/L	<4.0	<5	<5
Bromochloromethane	ug/L	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1
Bromoform	ug/L	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1
Cadmium	ug/L	<.8	<.2	<.2
Carbon Disulfide	ug/L	<1	<1	<1
Carbon Tetrachloride	ug/L	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1
Chlorodibromomethane	ug/L	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1
Chloroform	ug/L	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1
Chromium	ug/L	<8	<1	<1
cis-1,2-Dichloroethene	ug/L	<1	<1	<1
cis-1,3-Dichloropropene	ug/L	<1	<1	<1
Cobalt	ug/L	56.2	53.3	50.0
Copper	ug/L	<4	<5	<5
Dibromomethane	ug/L	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1
Iodomethane	ug/L	<1	<1	<1
Iron	ug/L	162000	196000	203000
Lead	ug/L	<4	<1	<1
Methylene Chloride	ug/L	<5	<5	<5
Nickel	ug/L	103.0	81.0	98.7
pH	SU	5.8	5.9	5.8
Selenium	ug/L	<4	<2	<2
Silver	ug/L	<4	<5	<5
Styrene	ug/L	<1	<1	<1
Sulfate	mg/L	2600	2350	2750
Tetrachloroethene	ug/L	<1	<1	<1
Thallium	ug/L	<2.0	<.5	<.5
Toluene	ug/L	<1	<1	<1
trans-1,2-Dichloroethene	ug/L	<1	<1	<1
trans-1,3-Dichloropropene	ug/L	<1	<1	<1
trans-1,4-Dichloro-2-butene	ug/L	<5	<5	<5
Trichloroethene	ug/L	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1
Vanadium	ug/L	<20	<2	<2
Vinyl Acetate	ug/L	<5	<5	<5
Vinyl Chloride	ug/L	<1	<1	<1
Xylenes, Total	ug/L	<2	<2	<2
Zinc	ug/L	188	218	242

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

Table 9

Analytical Data Summary for MW-300

Constituents	Units	9/18/2012	3/27/2013	9/25/2013	4/16/2014	9/26/2014	3/12/2015	9/2/2015	3/23/2016
1,1,1,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00
1,1-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
1,1-Dichloroethene	ug/L	<2.00	<2.00	<2.00	<2.00	<.15	<2.00	<2.00	<2.00
1,1-Dichloropropene	ug/L	<1		<1					
1,2,3-Trichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene	ug/L	<10.0		<11.2					
1,2,4-Trichlorobenzene	ug/L	<5		<5					
1,2-Dibromo-3-chloropropane	ug/L	<10.00	<10.00	<10.00	<10.00	<.12	<10.00	<10.00	<10.00
1,2-Dibromoethane	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00	<10.00
1,2-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.14	<1.00	<1.00	<1.00
1,2-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00
1,2-Dichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.87	<1.00	<1.00	<1.00
1,3,5-Trinitrobenzene	ug/L	<10.0		<11.2					
1,3-Dichlorobenzene	ug/L	<1		<1					
1,3-Dichloropropane	ug/L	<1		<1					
1,3-Dinitrobenzene	ug/L	<10.0		<11.2					
1,4-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.20	<1.00	<1.00	<1.00
1,4-Naphthoquinone	ug/L	<10.0		<11.2					
1-Naphthylamine	ug/L	<10.0		<11.2					
2,2'-oxybis[1-Chloropropane]	ug/L	<10.0		<11.2					
2,2-Dichloropropane	ug/L	<4		<4					
2,3,4,6-Tetrachlorophenol	ug/L	<10.0		<11.2					
2,4,5-T	ug/L	<1.00		<1.12					
2,4,5-TP [Silvex]	ug/L	<1.00		<1.12					
2,4,5-Trichlorophenol	ug/L	<10.0		<11.2					
2,4,6-Trichlorophenol	ug/L	<10.0		<11.2					
2,4-D	ug/L	<1.00		<1.12					
2,4-Dichlorophenol	ug/L	<10.0		<11.2					
2,4-Dimethylphenol	ug/L	<10.0		<11.2					
2,4-Dinitrophenol	ug/L	<20.0		<22.5					
2,4-Dinitrotoluene	ug/L	<10.0		<11.2					
2,6-Dichlorophenol	ug/L	<10.0		<11.2					
2,6-Dinitrotoluene	ug/L	<10.0		<11.2					
2-Acetylaminofluorene	ug/L	<10.0		<11.2					
2-Butanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.47	<10.00	<10.00	<10.00
2-Chloronaphthalene	ug/L	<10.0		<11.2					
2-Chlorophenol	ug/L	<10.0		<11.2					
2-Hexanone	ug/L	<10.0	<10.0	<10.0	<10.0	<.2	<10.0	<10.0	<10.0
2-Methylnaphthalene	ug/L	<10.0		<11.2					
2-Methylphenol [o-Cresol]	ug/L	<10.0		<11.2					
2-Naphthylamine	ug/L	<10.0		<11.2					
2-Nitroaniline	ug/L	<10.0		<11.2					
2-Nitrophenol	ug/L	<10.0		<11.2					
3,3-Dichlorobenzidine	ug/L	<10.0		<56.2					
3,3-Dimethylbenzidine	ug/L	<10.0		<11.2					
3-Methylcholanthrene	ug/L	<10.0		<11.2					
3-Nitroaniline	ug/L	<10.0		<11.2					
4,4'-DDD	ug/L	<.0320		<.0356					
4,4'-DDE	ug/L	<.0320		<.0356					
4,4'-DDT	ug/L	<.0320		<.0356					
4,6-Dinitro-2-methylphenol	ug/L	<10.0		<11.2					
4-Aminobiphenyl	ug/L	<10.0		<11.2					
4-Bromophenyl phenyl ether	ug/L	<10.0		<11.2					
4-Chloro-3-methylphenol	ug/L	<10.0		<11.2					
4-Chloroaniline	ug/L	<10.0		<11.2					
4-Chlorophenyl phenyl ether	ug/L	<10.0		<11.2					
4-Methyl-2-pentanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.22	<10.00	<10.00	<10.00
4-Nitroaniline	ug/L	<10.0		<11.2					
4-Nitrophenol	ug/L	<10.0		<11.2					
5-Nitro-o-toluidine	ug/L	<10.0		<11.2					
7,12-Dimethylbenz[a]anthracene	ug/L	<10.0		<11.2					
Acenaphthene	ug/L	<10.0		<11.2					
Acetone	ug/L	<10.00	<10.00	<10.00	47.80	<1.79	<10.00	<10.00	<10.00
Acetonitrile	ug/L	<10000		<10000					
Acetophenone	ug/L	<10.0		<11.2					
Acrolein	ug/L	<10		<10					
Acrylonitrile	ug/L	<10.00	<10.00	<10.00	<10.00	<.53	<10.00	<10.00	<10.00
Aldrin	ug/L	<.0320		<.0356					
Alkalinity as CaCO3	mg/L					284	265	258	370
Allyl Chloride	ug/L	<20		<2					
alpha-BHC	ug/L	<.0320		<.0356					
Aluminum	ug/L					39.1	37.3	70.1	33.5
Anthracene	ug/L	<10.0		<11.2					
Antimony	ug/L	<12.000	<6.000	<6.000	<6.000	<.161	<1.000	<1.000	<.237

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

Table 9

Analytical Data Summary for MW-300

Constituents	10/20/2016	3/7/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	3/10/2020	9/15/2020
1,1,1,2-Tetrachloroethane	<.21	<.21	<.21	<.21	<.38	<.38	<.38	<.38	<.38
1,1,1-Trichloroethane	<.12	<.12	<.12	<.12	<.19	<.19	<.19	<.19	<.19
1,1,2,2-Tetrachloroethane	<.10	<.10	<.10	<.10	<.47	<.47	<.47	<.47	<.47
1,1,2-Trichloroethane	<.12	<.12	<.12	<.12	<.45	<.45	<.45	<.45	<.45
1,1-Dichloroethane	<.21	<.21	<.21	<.21	<.22	<.22	<.22	<.22	<.22
1,1-Dichloroethene	<.15	<.15	<.15	<.15	<.56	<.56	<.56	<.56	<.56
1,1-Dichloropropene									
1,2,3-Trichloropropane	<.19	<.19	<.19	<.19	<.59	<.59	<.59	<.59	<.59
1,2,4,5-Tetrachlorobenzene									
1,2,4-Trichlorobenzene									
1,2-Dibromo-3-chloropropane	<.50	<.50	<.50	<.50	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dibromoethane	<.13	<.13	<.13	<.13	<.34	<.34	<.34	<.34	<.34
1,2-Dichlorobenzene	<.14	<.14	<.14	<.14	<.37	<.37	<.37	<.37	<.37
1,2-Dichloroethane	<.18	<.18	<.18	<.18	<.39	<.39	<.39	<.39	<.39
1,2-Dichloropropane	<.87	<.87	<.87	<.87	<.27	<.27	<.27	<.27	<.27
1,3,5-Trinitrobenzene									
1,3-Dichlorobenzene									
1,3-Dichloropropane									
1,3-Dinitrobenzene									
1,4-Dichlorobenzene	<.20	<.20	<.20	<.20	<.23	<.23	<.23	<.23	<.23
1,4-Naphthoquinone									
1-Naphthylamine									
2,2'-oxybis[1-Chloropropane]									
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	<1.04	<1.04	<1.04	<1.04	<2.10	<2.10	<2.10	<2.10	<2.10
2-Chloronaphthalene									
2-Chlorophenol									
2-Hexanone	<.2	<.2	<.2	<.2	<2.0	<2.0	<2.0	<2.0	<2.0
2-Methylnaphthalene									
2-Methylphenol [o-Cresol]									
2-Naphthylamine									
2-Nitroaniline									
2-Nitrophenol									
3,3-Dichlorobenzidine									
3,3-Dimethylbenzidine									
3-Methylcholanthrene									
3-Nitroaniline									
4,4'-DDD									
4,4'-DDE									
4,4'-DDT									
4,6-Dinitro-2-methylphenol									
4-Aminobiphenyl									
4-Bromophenyl phenyl ether									
4-Chloro-3-methylphenol									
4-Chloroaniline									
4-Chlorophenyl phenyl ether									
4-Methyl-2-pentanone	<.22	<.22	<.22	<.22	<2.10	<2.10	<2.10	<2.10	<2.10
4-Nitroaniline									
4-Nitrophenol									
5-Nitro-o-toluidine									
7,12-Dimethylbenz[a]anthracene									
Acenaphthene									
Acetone	<1.79	<1.79	4.29	48.60	<3.10	3.10	<3.10	<3.10	<3.10
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<.53	<.53	<.53	<.53	<2.20	<2.20	<2.20	<2.20	<2.20
Aldrin									
Alkalinity as CaCO3	242	288	283	292	258	134	252	333	329
Allyl Chloride									
alpha-BHC									
Aluminum	26.4	47.6	<413.0	<165.0	34.8	<108.0	<108.0	<30.0	16.5
Anthracene									
Antimony	<.237	<.185	<.925	<.740	<1.320	<2.120	<2.120	<.580	<.510

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

Table 9

Analytical Data Summary for MW-300

Constituents	4/15/2021	10/27/2021	4/13/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025
1,1,1,2-Tetrachloroethane	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<.19	<.19	<.19	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<.47	<.47	<.47	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloropropene									
1,2,3-Trichloropropane	<.59	<.59	<.59	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene									
1,2,4-Trichlorobenzene									
1,2-Dibromo-3-chloropropane	<1.20	<1.20	<1.20	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
1,2-Dibromoethane	<.34	<.34	<.34	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,3,5-Trinitrobenzene									
1,3-Dichlorobenzene									
1,3-Dichloropropane									
1,3-Dinitrobenzene									
1,4-Dichlorobenzene	<.23	<.23	<.23	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,4-Naphthoquinone									
1-Naphthylamine									
2,2'-oxybis[1-Chloropropane]									
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	<2.10	<2.10	<2.10	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
2-Chloronaphthalene									
2-Chlorophenol									
2-Hexanone	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Methylnaphthalene									
2-Methylphenol [o-Cresol]									
2-Naphthylamine									
2-Nitroaniline									
2-Nitrophenol									
3,3-Dichlorobenzidine									
3,3-Dimethylbenzidine									
3-Methylcholanthrene									
3-Nitroaniline									
4,4'-DDD									
4,4'-DDE									
4,4'-DDT									
4,6-Dinitro-2-methylphenol									
4-Aminobiphenyl									
4-Bromophenyl phenyl ether									
4-Chloro-3-methylphenol									
4-Chloroaniline									
4-Chlorophenyl phenyl ether									
4-Methyl-2-pentanone	<2.10	<2.10	<2.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
4-Nitroaniline									
4-Nitrophenol									
5-Nitro-o-toluidine									
7,12-Dimethylbenz[a]anthracene									
Acenaphthene									
Acetone	5.12	5.67	<3.10	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<2.20	<2.20	<2.20	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Aldrin									
Alkalinity as CaCO3	356	266	167	158	270	172	183	230	73
Allyl Chloride									
alpha-BHC									
Aluminum	63.8	<17.0	<68.0	1390.0	138.0	663.0	421.0	502.0	569.0
Anthracene									
Antimony	<1.100	<1.100	<2.760	<2.000	<2.000	<2.000	<2.000	<2.000	<1.000

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

Table 9

Analytical Data Summary for MW-300

Constituents	9/15/2025
1,1,1,2-Tetrachloroethane	<1.00
1,1,1-Trichloroethane	<1.00
1,1,2,2-Tetrachloroethane	<1.00
1,1,2-Trichloroethane	<1.00
1,1-Dichloroethane	<1.00
1,1-Dichloroethene	<1.00
1,1-Dichloropropene	
1,2,3-Trichloropropane	<1.00
1,2,4,5-Tetrachlorobenzene	
1,2,4-Trichlorobenzene	
1,2-Dibromo-3-chloropropane	<5.00
1,2-Dibromoethane	<1.00
1,2-Dichlorobenzene	<1.00
1,2-Dichloroethane	<1.00
1,2-Dichloropropane	<1.00
1,3,5-Trinitrobenzene	
1,3-Dichlorobenzene	
1,3-Dichloropropane	
1,3-Dinitrobenzene	
1,4-Dichlorobenzene	<1.00
1,4-Naphthoquinone	
1-Naphthylamine	
2,2'-oxybis[1-Chloropropane]	
2,2-Dichloropropane	
2,3,4,6-Tetrachlorophenol	
2,4,5-T	
2,4,5-TP [Silvex]	
2,4,5-Trichlorophenol	
2,4,6-Trichlorophenol	
2,4-D	
2,4-Dichlorophenol	
2,4-Dimethylphenol	
2,4-Dinitrophenol	
2,4-Dinitrotoluene	
2,6-Dichlorophenol	
2,6-Dinitrotoluene	
2-Acetylaminofluorene	
2-Butanone	<10.00
2-Chloronaphthalene	
2-Chlorophenol	
2-Hexanone	<5.0
2-Methylnaphthalene	
2-Methylphenol [o-Cresol]	
2-Naphthylamine	
2-Nitroaniline	
2-Nitrophenol	
3,3-Dichlorobenzidine	
3,3-Dimethylbenzidine	
3-Methylcholanthrene	
3-Nitroaniline	
4,4'-DDD	
4,4'-DDE	
4,4'-DDT	
4,6-Dinitro-2-methylphenol	
4-Aminobiphenyl	
4-Bromophenyl phenyl ether	
4-Chloro-3-methylphenol	
4-Chloroaniline	
4-Chlorophenyl phenyl ether	
4-Methyl-2-pentanone	<5.00
4-Nitroaniline	
4-Nitrophenol	
5-Nitro-o-toluidine	
7,12-Dimethylbenz[a]anthracene	
Acenaphthene	
Acetone	<10.00
Acetonitrile	
Acetophenone	
Acrolein	
Acrylonitrile	<5.00
Aldrin	
Alkalinity as CaCO3	179
Allyl Chloride	
alpha-BHC	
Aluminum	914.0
Anthracene	
Antimony	<1.000

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

Table 9

Analytical Data Summary for MW-300

Constituents	Units	9/18/2012	3/27/2013	9/25/2013	4/16/2014	9/26/2014	3/12/2015	9/2/2015	3/23/2016
Arsenic	ug/L	<1.000	1.350	<2.000	<1.000	2.160	2.830	<2.000	2.230
Barium	ug/L	14.20	12.90	14.50	3.44	16.60	11.70	17.70	10.70
Benzene	ug/L	<.50	<.50	<.50	<.50	<.11	<.50	<.50	<.50
Benzo[a]anthracene	ug/L	<10.0		<11.2					
Benzo[a]pyrene	ug/L	<10.0		<11.2					
Benzo[b]fluoranthene	ug/L	<10.0		<11.2					
Benzo[ghi]perylene	ug/L	<10.0		<11.2					
Benzo[k]fluoranthene	ug/L	<10.0		<11.2					
Benzyl alcohol	ug/L	<10.0		<11.2					
Beryllium	ug/L	<1.000	<1.000	.230	<1.000	.138	<1.000	<1.000	<.221
beta-BHC	ug/L	<.0320		<.0356					
Bis(2-chloroethoxy)methane	ug/L	<10.0		<11.2					
Bis(2-chloroethyl)ether	ug/L	<10.0		<11.2					
Bis(2-ethylhexyl)phthalate	ug/L	<10.0		<11.2					
Bromochloromethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.12	<5.00	<5.00	<5.00
Bromodichloromethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00
Bromoform	ug/L	<5.00	<5.00	<5.00	<5.00	<.14	<5.00	<5.00	<5.00
Bromomethane	ug/L	<20.00	<4.00	<4.00	<4.00	<.22	<4.00	<4.00	<4.00
Butylbenzylphthalate	ug/L	<10.0		<11.2					
Cadmium	ug/L	<.500	1.050	.240	8.080	.656	.259	<.500	.094
Carbon Disulfide	ug/L	<1.00	<1.00	<1.00	<1.00	<.15	<1.00	<1.00	<1.00
Carbon Tetrachloride	ug/L	<2.00	<2.00	<2.00	<2.00	<.24	<2.00	<2.00	<2.00
Chlordane	ug/L	<2.00		<2.22					
Chlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00
Chlorobenzilate	ug/L	<10.0		<11.2					
Chlorodibromomethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.20	<5.00	<5.00	<5.00
Chloroethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.15	<4.00	<4.00	<4.00
Chloroform	ug/L	<1.00	<1.00	<1.00	<1.00	<.28	<1.00	<1.00	<1.00
Chloromethane	ug/L	<3.00	<3.00	<3.00	<3.00	<.31	<3.00	<3.00	<3.00
Chloroprene	ug/L	<1		<1					
Chromium	ug/L	<20.000	<20.000	3.690	<20.000	<1.240	<5.000	<5.000	<.355
Chrysene	ug/L	<10.0		<11.2					
cis-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.13	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.15	<5.00	<5.00	<5.00
Cobalt	ug/L	357.0	330.0	332.0	42.3	289.0	251.0	383.0	328.0
Copper	ug/L	<20.00	32.00	<20.00	<20.00	22.90	1.38	<2.00	<1.22
Cyanide	mg/L	<.01		<.01					
delta-BHC	ug/L	<.0320		<.0356					
Diallate	ug/L	<10.0		<11.2					
Dibenzo(a,h)anthracene	ug/L	<10.0		<11.2					
Dibenzofuran	ug/L	<10.0		<11.2					
Dibromomethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00
Dichlorodifluoromethane	ug/L	<3		<3					
Dieldrin	ug/L	<.0320		<.0356					
Diethyl phthalate	ug/L	<10.0		<11.2					
Dimethoate	ug/L	<10.0		<11.2					
Dimethyl phthalate	ug/L	<10.0		<11.2					
Di-n-butylphthalate	ug/L	<10.0		<11.2					
Di-n-octylphthalate	ug/L	<10.0		<22.5					
Dinoseb	ug/L	<10.0		<11.2					
Diphenylamine	ug/L	<10.0		<11.2					
Disulfoton	ug/L	<10.0		<11.2					
Endosulfan I	ug/L	<.0320		<.0356					
Endosulfan II	ug/L	<.0320		<.0356					
Endosulfan Sulfate	ug/L	<.0320		<.0356					
Endrin	ug/L	<.0320		<.0356					
Endrin Aldehyde	ug/L	<.0320		<.0356					
Ethyl Methacrylate	ug/L	<2		<2					
Ethyl Methanesulfonate	ug/L	<10.0		<11.2					
Ethylbenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
Famphur	ug/L	<20.0		<22.5					
Fluoranthene	ug/L	<10.0		<11.2					
Fluorene	ug/L	<10.0		<11.2					
gamma-BHC (Lindane)	ug/L	<.0320		<.0356					
Heptachlor	ug/L	<.0320		<.0356					
Heptachlor Epoxide	ug/L	<.0320		<.0356					
Hexachlorobenzene	ug/L	<10.0		<11.2					
Hexachlorobutadiene	ug/L	<10.0		<11.2					
Hexachlorocyclopentadiene	ug/L	<10.0		<22.5					
Hexachloroethane	ug/L	<10.0		<11.2					
Hexachloropropene	ug/L	<10.0		<11.2					
Indeno[1,2,3-cd]pyrene	ug/L	<10.0		<11.2					
Iodomethane	ug/L	<10.0	<10.0	<10.0	<10.0	<.8	<10.0	<10.0	<10.0
Iron	ug/L					29200	40400	139000	129000
Isobutanol	ug/L	<10000		<10000					
Isodrin	ug/L	<10.0		<11.2					
Isophorone	ug/L	<10.0		<11.2					

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

Table 9

Analytical Data Summary for MW-300

Constituents	10/20/2016	3/7/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	3/10/2020	9/15/2020
Arsenic	2.480	1.800	1.920	<2.020	1.450	<3.000	<3.000	.942	2.580
Barium	13.60	12.30	13.90	11.60	14.00	11.30	12.10	9.65	13.30
Benzene	<.11	<.11	<.11	<.11	<.22	<.22	<.22	<.22	<.22
Benzo[a]anthracene									
Benzo[a]pyrene									
Benzo[b]fluoranthene									
Benzo[ghi]perylene									
Benzo[k]fluoranthene									
Benzyl alcohol									
Beryllium	<.221	.149	<1.250	<.500	<.530	<1.080	<1.080	<.270	<.270
beta-BHC									
Bis(2-chloroethoxy)methane									
Bis(2-chloroethyl)ether									
Bis(2-ethylhexyl)phthalate									
Bromochloromethane	<.12	<.12	<.12	<.12	<.54	<.54	<.54	<.54	<.54
Bromodichloromethane	<.12	<.12	<.12	<.12	<.39	<.39	<.39	<.39	<.39
Bromoform	<.14	<.14	<.14	<.14	<.78	<.78	<.78	<.78	<.78
Bromomethane	<.22	<.22	<.22	<.22	<1.10	<1.10	<1.10	<1.10	<1.10
Butylbenzylphthalate									
Cadmium	.231	.258	<.221	.360	.263	<.308	.156	.041	<.049
Carbon Disulfide	<.15	<.15	<.15	<.15	<.45	<.45	<.45	<.45	<.45
Carbon Tetrachloride	<.24	<.24	<.24	<.24	<.65	<.65	<.65	<.65	<.65
Chlordane									
Chlorobenzene	<.19	<.19	<.19	<.19	<.40	<.40	<.40	<.40	<.40
Chlorobenzilate									
Chlorodibromomethane	<.20	<.20	<.20	<.20	<.75	<.75	<.75	<.75	<.75
Chloroethane	<.15	<.15	<.15	<.15	<.79	<.79	<.79	<.79	<.79
Chloroform	<.28	<.28	<.28	<.28	<1.30	<1.30	<1.30	<1.30	<1.30
Chloromethane	<.31	<.31	<.31	<.31	<.61	<.61	<.61	<.61	<.61
Chloroprene									
Chromium	<.355	<.729	<7.290	<2.920	<1.140	<3.920	<3.920	<1.100	<1.100
Chrysene									
cis-1,2-Dichloroethene	<.13	<.13	<.13	<.13	<.21	<.21	<.21	<.21	<.21
cis-1,3-Dichloropropene	<.15	<.15	<.15	<.15	<.25	<.25	<.25	<.25	<.25
Cobalt	337.0	315.0	306.0	143.0	232.0	344.0	292.0	215.0	282.0
Copper	<1.22	<2.19	<11.00	<8.76	2.84	<8.00	<8.00	<3.20	<1.50
Cyanide									
delta-BHC									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromomethane	<.18	<.18	<.18	<.18	<.33	<.33	<.33	<.33	<.33
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethyl phthalate									
Di-n-butylphthalate									
Di-n-octylphthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan I									
Endosulfan II									
Endosulfan Sulfate									
Endrin									
Endrin Aldehyde									
Ethyl Methacrylate									
Ethyl Methanesulfonate									
Ethylbenzene	<.21	<.21	<.21	<.21	<.31	<.31	<.31	<.31	<.31
Famphur									
Fluoranthene									
Fluorene									
gamma-BHC (Lindane)									
Heptachlor									
Heptachlor Epoxide									
Hexachlorobenzene									
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno[1,2,3-cd]pyrene									
Iodomethane	<.8	<.8	<.8	<.8	<7.0	<7.0	<7.0	<7.0	<7.0
Iron	125000	158000	147000	31300	133000	168000	174000	173000	174000
Isobutanol									
Isodrin									
Isophorone									

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

Table 9

Analytical Data Summary for MW-300

Constituents	4/15/2021	10/27/2021	4/13/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025
Arsenic	1.860	3.110	<3.000	<4.000	<4.000	<4.000	<4.000	6.300	<2.000
Barium	12.10	13.40	10.70	12.60	13.40	11.30	11.90	14.10	12.40
Benzene	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Benzo[a]anthracene									
Benzo[a]pyrene									
Benzo[b]fluoranthene									
Benzo[ghi]perylene									
Benzo[k]fluoranthene									
Benzyl alcohol									
Beryllium	<.270	<.270	<1.080	<4.000	<4.000	<4.000	<4.000	<4.000	1.100
beta-BHC									
Bis(2-chloroethoxy)methane									
Bis(2-chloroethyl)ether									
Bis(2-ethylhexyl)phthalate									
Bromochloromethane	<.54	<.54	<.54	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromoform	<.78	<.78	<.78	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromomethane	<1.10	<1.10	<1.10	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Butylbenzylphthalate									
Cadmium	.075	.077	<.220	.900	<.800	<.800	<.800	<.800	.500
Carbon Disulfide	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Carbon Tetrachloride	<.65	<.65	<.65	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlordane									
Chlorobenzene	<.40	<.40	<.40	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlorobenzilate									
Chlorodibromomethane	<.75	<.75	<.75	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroethane	<.79	<.79	<.79	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	<1.30	<1.30	<1.30	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloromethane	<.61	<.61	<.61	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroprene									
Chromium	<1.100	<1.100	<4.400	<8.000	<8.000	<8.000	<8.000	<8.000	<1.000
Chrysene									
cis-1,2-Dichloroethene	<.21	<.21	<.21	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	<.25	<.25	<.25	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Cobalt	152.0	260.0	339.0	1370.0	294.0	881.0	691.0	799.0	462.0
Copper	<1.40	<1.40	<7.20	<4.00	<4.00	<4.00	<4.00	<4.00	<5.00
Cyanide									
delta-BHC									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromomethane	<.33	<.33	<.33	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethyl phthalate									
Di-n-butylphthalate									
Di-n-octylphthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan I									
Endosulfan II									
Endosulfan Sulfate									
Endrin									
Endrin Aldehyde									
Ethyl Methacrylate									
Ethyl Methanesulfonate									
Ethylbenzene	<.31	<.31	<.31	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Famphur									
Fluoranthene									
Fluorene									
gamma-BHC (Lindane)									
Heptachlor									
Heptachlor Epoxide									
Hexachlorobenzene									
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno[1,2,3-cd]pyrene									
Iodomethane	<7.0	<7.0	<7.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	127000	163000	177000	92700	69800	116000	88600	113000	181000
Isobutanol									
Isodrin									
Isophorone									

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

Table 9

Analytical Data Summary for MW-300

Constituents	9/15/2025
Arsenic	<2.000
Barium	13.80
Benzene	<1.00
Benzo[a]anthracene	
Benzo[a]pyrene	
Benzo[b]fluoranthene	
Benzo[ghi]perylene	
Benzo[k]fluoranthene	
Benzyl alcohol	
Beryllium	2.700
beta-BHC	
Bis(2-chloroethoxy)methane	
Bis(2-chloroethyl)ether	
Bis(2-ethylhexyl)phthalate	
Bromochloromethane	<1.00
Bromodichloromethane	<1.00
Bromoform	<1.00
Bromomethane	<1.00
Butylbenzylphthalate	
Cadmium	1.100
Carbon Disulfide	<1.00
Carbon Tetrachloride	<1.00
Chlordane	
Chlorobenzene	<1.00
Chlorobenzilate	
Chlorodibromomethane	<1.00
Chloroethane	<1.00
Chloroform	<1.00
Chloromethane	<1.00
Chloroprene	
Chromium	<1.000
Chrysene	
cis-1,2-Dichloroethene	<1.00
cis-1,3-Dichloropropene	<1.00
Cobalt	938.0
Copper	<5.00
Cyanide	
delta-BHC	
Diallate	
Dibenzo(a,h)anthracene	
Dibenzofuran	
Dibromomethane	<1.00
Dichlorodifluoromethane	
Dieldrin	
Diethyl phthalate	
Dimethoate	
Dimethyl phthalate	
Di-n-butylphthalate	
Di-n-octylphthalate	
Dinoseb	
Diphenylamine	
Disulfoton	
Endosulfan I	
Endosulfan II	
Endosulfan Sulfate	
Endrin	
Endrin Aldehyde	
Ethyl Methacrylate	
Ethyl Methanesulfonate	
Ethylbenzene	<1.00
Famphur	
Fluoranthene	
Fluorene	
gamma-BHC (Lindane)	
Heptachlor	
Heptachlor Epoxide	
Hexachlorobenzene	
Hexachlorobutadiene	
Hexachlorocyclopentadiene	
Hexachloroethane	
Hexachloropropene	
Indeno[1,2,3-cd]pyrene	
Iodomethane	<1.0
Iron	203000
Isobutanol	
Isodrin	
Isophorone	

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

Table 9

Analytical Data Summary for MW-300

Constituents	Units	9/18/2012	3/27/2013	9/25/2013	4/16/2014	9/26/2014	3/12/2015	9/2/2015	3/23/2016
Isosafrole	ug/L	<10.0		<11.2					
Kepon	ug/L	<10.0		<11.2					
Lead	ug/L	<4.000	<4.000	1.020	<4.000	1.380	.291	<.500	1.290
Mercury	ug/L	<.267		<.200					
Methacrylonitrile	ug/L	<1		<1					
Methapyrilene	ug/L	<10.0		<11.2					
Methoxychlor	ug/L	<.0320		<.0356					
Methyl Methacrylate	ug/L	<2		<2					
Methyl Methanesulfonate	ug/L	<10.0		<11.2					
Methyl Parathion	ug/L	<10.0		<11.2					
Methylene Chloride	ug/L	<5.000	<5.000	<5.000	<5.000	<.170	<5.000	<5.000	<5.000
Naphthalene	ug/L	<5		<5					
Nickel	ug/L	269.0	225.0	279.0	98.6	286.0	204.0	329.0	250.0
Nitrobenzene	ug/L	<10.0		<11.2					
N-Nitrosodiethylamine	ug/L	<10.0		<11.2					
N-Nitrosodimethylamine	ug/L	<10.0		<11.2					
N-Nitrosodi-n-butylamine	ug/L	<10.0		<11.2					
N-Nitrosodi-n-propylamine	ug/L	<10.0		<11.2					
N-Nitrosodiphenylamine	ug/L	<10.0		<11.2					
N-Nitrosomethylethylamine	ug/L	<10.0		<11.2					
N-Nitrosopiperidine	ug/L	<10.0		<11.2					
N-Nitrosopyrrolidine	ug/L	<10.0		<11.2					
o,o,o-Triethylphosphorothioate	ug/L	<10.0		<11.2					
o-Toluidine	ug/L	<10.0		<11.2					
p-[Dimethylamino]azobenzene	ug/L	<10.0		<11.2					
Parathion	ug/L	<10.0		<11.2					
PCB-1016	ug/L	<.800		<.816					
PCB-1221	ug/L	<.800		<.816					
PCB-1232	ug/L	<.800		<.816					
PCB-1242	ug/L	<.800		<.816					
PCB-1248	ug/L	<.800		<.816					
PCB-1254	ug/L	<.800		<.816					
PCB-1260	ug/L	<.800		<.816					
Pentachlorobenzene	ug/L	<10.0		<11.2					
Pentachloronitrobenzene	ug/L	<10.0		<11.2					
Pentachlorophenol	ug/L	<10.0		<11.2					
pH	SU					5.90	5.89	6.02	6.00
Phenacetin	ug/L	<10.0		<11.2					
Phenanthrene	ug/L	<10.0		<11.2					
Phenol	ug/L	<10.0		<11.2					
Phorate	ug/L	<10.0		<11.2					
p-Phenylenediamine	ug/L	<10.0		<11.2					
Pronamide	ug/L	<10.0		<11.2					
Propionitrile	ug/L	<10		<10					
Pyrene	ug/L	<10.0		<11.2					
Safrole	ug/L	<10.0		<11.2					
Selenium	ug/L	<5.000	<5.000	<5.000	<5.000	<3.340	<5.000	<5.000	<.630
Silver	ug/L	<20.000	<20.000	<20.000	<20.000	<.042	<1.000	<1.000	.163
Styrene	ug/L	<1.000	<1.000	<1.000	<1.000	<.100	<1.000	<1.000	<1.000
Sulfate	mg/L					2510	3090	2760	2820
Sulfide	mg/L	<1		<1					
Tetrachloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00
Thallium	ug/L	<2.000	<2.000	<2.000	<2.000	.355	.219	.251	.160
Thionazin	ug/L	<10.0		<11.2					
Tin	ug/L	160	<100	515	<100				
Toluene	ug/L								
Total Suspended Solids	mg/L					23.00	6.83	8.67	20.00
Toxaphene	ug/L	<2.00		<2.22					
trans-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.22	<5.00	<5.00	<5.00
trans-1,4-Dichloro-2-butene	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00	<10.00
Trichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00
Trichlorofluoromethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.17	<4.00	<4.00	<4.00
Vanadium	ug/L	<50.000	<50.000	<50.000	<50.000	<.449	.462	<5.000	<.255
Vinyl Acetate	ug/L	<2.00	<2.00	<2.00	<2.00	<.74	<10.00	<10.00	<10.00
Vinyl Chloride	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00
Xylenes, Total	ug/L	<3.00	<3.00	1.11	<3.00	<.13	<3.00	<3.00	<3.00
Zinc	ug/L	<20.0	838.0	248.0	522.0	669.0	712.0	171.0	187.0

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

Table 9

Analytical Data Summary for MW-300

Constituents	10/20/2016	3/7/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	3/10/2020	9/15/2020
Isosafrole									
Kepon									
Lead	.219	<.324	<1.620	<1.300	.717	<1.080	<.270	<.270	<.110
Mercury									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl Methacrylate									
Methyl Methanesulfonate									
Methyl Parathion									
Methylene Chloride	.264	.214	<.170	<.170	<1.700	<1.700	<1.700	<1.700	<1.700
Naphthalene									
Nickel	221.0	288.0	218.0	149.0	189.0	253.0	257.0	185.0	248.0
Nitrobenzene									
N-Nitrosodiethylamine									
N-Nitrosodimethylamine									
N-Nitrosodi-n-butylamine									
N-Nitrosodi-n-propylamine									
N-Nitrosodiphenylamine									
N-Nitrosomethylethylamine									
N-Nitrosopiperidine									
N-Nitrosopyrrolidine									
o,o,o-Triethylphosphorothioate									
o-Toluidine									
p-[Dimethylamino]azobenzene									
Parathion									
PCB-1016									
PCB-1221									
PCB-1232									
PCB-1242									
PCB-1248									
PCB-1254									
PCB-1260									
Pentachlorobenzene									
Pentachloronitrobenzene									
Pentachlorophenol									
pH	5.94	5.96	6.10	6.13	5.97	6.06	6.22	5.96	6.12
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
p-Phenylenediamine									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium	<.630	<.928	<.928	<3.710	1.010	<4.000	<4.000	<1.000	<1.000
Silver	<.153	.148	<.700	<.560	<.115	<1.480	<.370	<.370	<.370
Styrene	<.100	<.100	<.100	<.100	<.370	<.370	<.370	<.370	<.370
Sulfate	3190	2900	3070	2290	2590	2890	2880	2510	2930
Sulfide									
Tetrachloroethene	<.18	<.18	<.18	<.18	<.48	<.48	<.48	<.48	<.48
Thallium	.238	.208	.132	<.258	<.570	<1.080	<.270	<.260	<.260
Thionazin									
Tin									
Toluene					<.43	<.43	<.43	<.43	<.43
Total Suspended Solids	18.30	12.40	15.90	64.00	44.00	20.00	15.50	7.00	25.00
Toxaphene									
trans-1,2-Dichloroethene	<.21	<.21	<.21	<.21	<.27	<.27	<.27	<.27	<.27
trans-1,3-Dichloropropene	<.22	<.22	<.22	<.22	<.56	<.56	<.56	<.56	<.56
trans-1,4-Dichloro-2-butene	<.13	<.13	<.13	<.13	<1.10	<1.10	<1.10	<1.10	<1.10
Trichloroethene	<.19	<.19	<.19	<.19	<.43	<.43	<.43	<.43	<.43
Trichlorofluoromethane	<.17	<.17	<.17	<.17	<.38	<.38	<.38	<.38	<.38
Vanadium	<.255	<.840	<8.400	<3.360	<2.150	<3.280	<3.280	<.820	<.850
Vinyl Acetate	<.74	<.74	<.74	<.74	<2.50	<2.50	<2.50	<2.50	<2.50
Vinyl Chloride	<.10	<.10	<.10	<.10	<.60	<.60	<.18	<.18	<.18
Xylenes, Total	<.13	<.13	<.13	<.13	<.40	<.40	<.40	<.40	<.40
Zinc	308.0	257.0	77.8	209.0	33.6	176.0	63.7	17.7	31.0

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

Table 9

Analytical Data Summary for MW-300

Constituents	4/15/2021	10/27/2021	4/13/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025
Isosafrole									
Kepon									
Lead	<.210	1.190	<.960	<4.000	<4.000	<4.000	<4.000	<4.000	<1.000
Mercury									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl Methacrylate									
Methyl Methanesulfonate									
Methyl Parathion									
Methylene Chloride	<1.700	<1.700	<1.700	<5.000	<5.000	<5.000	<5.000	<5.000	<5.000
Naphthalene									
Nickel	156.0	237.0	365.0	1720.0	343.0	955.0	719.0	829.0	540.0
Nitrobenzene									
N-Nitrosodiethylamine									
N-Nitrosodimethylamine									
N-Nitrosodi-n-butylamine									
N-Nitrosodi-n-propylamine									
N-Nitrosodiphenylamine									
N-Nitrosomethylethylamine									
N-Nitrosopiperidine									
N-Nitrosopyrrolidine									
o,o,o-Triethylphosphorothioate									
o-Toluidine									
p-[Dimethylamino]azobenzene									
Parathion									
PCB-1016									
PCB-1221									
PCB-1232									
PCB-1242									
PCB-1248									
PCB-1254									
PCB-1260									
Pentachlorobenzene									
Pentachloronitrobenzene									
Pentachlorophenol									
pH	6.12	5.99	6.58	5.60	6.10	5.80	5.80	5.70	5.70
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
p-Phenylenediamine									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium	<.960	<.960	<3.840	4.800	<4.000	4.500	<4.000	<4.000	<2.000
Silver	<.420	<.420	<1.960	<4.000	<4.000	<4.000	<4.000	<4.000	<5.000
Styrene	<.370	.383	<.370	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000
Sulfate	2330	2860	3070	3570	1760	3280	2870	2810	2450
Sulfide									
Tetrachloroethene	<.48	<.48	<.48	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Thallium	<.260	<.260	<1.040	<2.000	<2.000	<2.000	<2.000	<2.000	<.500
Thionazin									
Tin									
Toluene	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Total Suspended Solids	23.40	38.50	250.00						
Toxaphene									
trans-1,2-Dichloroethene	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	<1.10	<1.10	<1.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Trichloroethene	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vanadium	<1.100	<1.100	<4.400	<20.000	<20.000	<20.000	<20.000	<20.000	<2.000
Vinyl Acetate	<2.50	<2.50	<2.50	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Vinyl Chloride	<.18	<.18	<.18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Xylenes, Total	<.40	<.40	<.40	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Zinc	50.5	51.2	73.5	1230.0	122.0	925.0	1350.0	1030.0	712.0

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

Table 9

Analytical Data Summary for MW-300

Constituents	9/15/2025
Isosafrole	
Kepone	
Lead	<1.000
Mercury	
Methacrylonitrile	
Methapyrilene	
Methoxychlor	
Methyl Methacrylate	
Methyl Methanesulfonate	
Methyl Parathion	
Methylene Chloride	<5.000
Naphthalene	
Nickel	1120.0
Nitrobenzene	
N-Nitrosodiethylamine	
N-Nitrosodimethylamine	
N-Nitrosodi-n-butylamine	
N-Nitrosodi-n-propylamine	
N-Nitrosodiphenylamine	
N-Nitrosomethylethylamine	
N-Nitrosopiperidine	
N-Nitrosopyrrolidine	
o,o,o-Triethylphosphorothioate	
o-Toluidine	
p-[Dimethylamino]azobenzene	
Parathion	
PCB-1016	
PCB-1221	
PCB-1232	
PCB-1242	
PCB-1248	
PCB-1254	
PCB-1260	
Pentachlorobenzene	
Pentachloronitrobenzene	
Pentachlorophenol	
pH	5.60
Phenacetin	
Phenanthrene	
Phenol	
Phorate	
p-Phenylenediamine	
Pronamide	
Propionitrile	
Pyrene	
Safrole	
Selenium	<2.000
Silver	<5.000
Styrene	<1.000
Sulfate	3700
Sulfide	
Tetrachloroethene	<1.00
Thallium	<.500
Thionazin	
Tin	
Toluene	<1.00
Total Suspended Solids	
Toxaphene	
trans-1,2-Dichloroethene	<1.00
trans-1,3-Dichloropropene	<1.00
trans-1,4-Dichloro-2-butene	<5.00
Trichloroethene	<1.00
Trichlorofluoromethane	<1.00
Vanadium	<2.000
Vinyl Acetate	<5.00
Vinyl Chloride	<1.00
Xylenes, Total	<2.00
Zinc	1530.0

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

Table 9**Analytical Data Summary for MW-300 (Low Flow**

Constituents	Units	11/15/2022
Cobalt	ug/L	2110
Nickel	ug/L	2470
Selenium	ug/L	27.4

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

Table 9**Analytical Data Summary for MW-300 (No Purge**

Constituents	Units	11/15/2022
Cobalt	ug/L	624
Nickel	ug/L	716
Selenium	ug/L	<4

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

Table 9

Analytical Data Summary for MW-303

Constituents	Units	9/19/2012	3/27/2013	9/26/2013	4/15/2014	9/25/2014	3/11/2015	9/2/2015	3/22/2016	10/21/2016
1,1,1,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00	<.21
1,1,1-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00	<.12
1,1,2,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00	<.10
1,1,2-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00	<.12
1,1-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00	<.21
1,1-Dichloroethene	ug/L	<2.00	<2.00	<2.00	<2.00	<.15	<2.00	<2.00	<2.00	<.15
1,2,3-Trichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00	<.19
1,2-Dibromo-3-chloropropane	ug/L	<10.00	<10.00	<10.00	<10.00	<.12	<10.00	<10.00	<10.00	<.50
1,2-Dibromoethane	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00	<10.00	<.13
1,2-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.14	<1.00	<1.00	<1.00	<.14
1,2-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00	<.18
1,2-Dichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.87	<1.00	<1.00	<1.00	<.87
1,4-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.20	<1.00	<1.00	<1.00	<.20
2-Butanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.47	<10.00	<10.00	<10.00	<1.04
2-Hexanone	ug/L	<10.0	<10.0	<10.0	<10.0	<.2	<10.0	<10.0	<10.0	<.2
4-Methyl-2-pentanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.22	<10.00	<10.00	<10.00	<.22
Acetone	ug/L	<10.00	<10.00	<10.00	<10.00	<1.79	<10.00	<10.00	<10.00	<1.79
Acrylonitrile	ug/L	<10.00	<10.00	<10.00	<10.00	<.53	<10.00	<10.00	<10.00	<.53
Alkalinity as CaCO3	mg/L					614	621	619	617	618
Aluminum	ug/L					12.0	<50.0	1380.0	<20.8	<20.8
Antimony	ug/L	<6.000	<6.000	<6.000	3.690	<.161	<1.000	<1.000	<.237	<.237
Arsenic	ug/L	<1.000	<1.000	2.030	<1.000	<.945	<2.000	<2.000	<.672	<.672
Barium	ug/L	31.9	26.8	39.1	26.1	106.0	72.5	36.6	66.8	69.2
Benzene	ug/L	<.50	<.50	<.50	<.50	<.11	<.50	<.50	<.50	<.11
Beryllium	ug/L	<1.000	<1.000	<1.000	<1.000	<.039	<1.000	<1.000	<.221	<.221
Bromochloromethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.12	<5.00	<5.00	<5.00	<.12
Bromodichloromethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00	<.12
Bromoform	ug/L	<5.00	<5.00	<5.00	<5.00	<.14	<5.00	<5.00	<5.00	<.14
Bromomethane	ug/L	<20.00	<4.00	<4.00	<4.00	<.22	<4.00	<4.00	<4.00	<.22
Cadmium	ug/L	<.5000	<.5000	<.5000	.0936	<.1120	<.5000	<.5000	<.0351	<.0351
Carbon Disulfide	ug/L	<1.000	<1.000	<1.000	<1.000	<.150	<1.000	<1.000	<1.000	.231
Carbon Tetrachloride	ug/L	<2.00	<2.00	<2.00	<2.00	<.24	<2.00	<2.00	<2.00	<.24
Chlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00	<.19
Chlorodibromomethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.20	<5.00	<5.00	<5.00	<.20
Chloroethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.15	<4.00	<4.00	<4.00	<.15
Chloroform	ug/L	<1.00	<1.00	<1.00	<1.00	<.28	<1.00	<1.00	<1.00	<.28
Chloromethane	ug/L	<3.00	<3.00	<3.00	<3.00	<.31	<3.00	<3.00	<3.00	<.31
Chromium	ug/L	<20.000	<20.000	4.760	<20.000	<1.240	<5.000	<5.000	<.355	<.355
cis-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.13	<1.00	<1.00	<1.00	<.13
cis-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.15	<5.00	<5.00	<5.00	<.15
Cobalt	ug/L	22.3	24.3	21.1	16.9	20.8	18.0	26.3	15.8	14.7
Copper	ug/L	<20.000	<20.000	<20.000	<20.000	<.485	<2.000	42.800	<1.220	<1.220
Dibromomethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00	<.18
Ethylbenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00	<.21
Iodomethane	ug/L	<10.0	<10.0	<10.0	<10.0	<.8	<10.0	<10.0	<10.0	<.8
Iron	ug/L					568	202	16800	271	179
Lead	ug/L	<4.000	<4.000	<4.000	<4.000	.097	.115	2.980	<.211	<.211
Methylene Chloride	ug/L	<5.000	<5.000	<5.000	<5.000	.573	<5.000	<5.000	<5.000	.308
Nickel	ug/L	51.2	51.8	56.2	44.5	38.5	31.3	52.8	30.2	28.9
pH	SU					6.45	6.41	6.57	6.53	6.50
Selenium	ug/L	<5.000	<5.000	<5.000	<5.000	<3.340	<5.000	<5.000	<.630	<.630
Silver	ug/L	<20.000	<20.000	<20.000	<20.000	<.042	<1.000	<1.000	.174	<.153
Styrene	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00	<.10
Sulfate	mg/L					79.6	116.0	740.0	97.9	89.3
Tetrachloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00	<.18
Thallium	ug/L	<2.0000	<2.0000	<2.0000	<2.0000	.0340	.0460	<1.0000	.0500	<.0255
Toluene	ug/L									
Total Suspended Solids	mg/L					2.570	<5.000	900.000	3.670	1.250
trans-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00	<.21
trans-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.22	<5.00	<5.00	<5.00	<.22
trans-1,4-Dichloro-2-butene	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00	<10.00	<.13
Trichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00	<.19
Trichlorofluoromethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.17	<4.00	<4.00	<4.00	<.17
Vanadium	ug/L	<50.000	<50.000	<50.000	<50.000	<.449	<5.000	8.730	<.255	<.255
Vinyl Acetate	ug/L	<2.00	<2.00	<2.00	<2.00	<.74	<10.00	<10.00	<10.00	<.74
Vinyl Chloride	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00	<.10
Xylenes, Total	ug/L	<3.000	<3.000	.232	<3.000	<.130	<3.000	<3.000	<3.000	.390
Zinc	ug/L	<20.00	74.80	199.00	<60.00	18.40	<10.00	30.80	<5.21	<5.21

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

Table 9

Analytical Data Summary for MW-303

Constituents	3/8/2017	9/25/2017	3/13/2018	10/1/2018	3/27/2019	9/23/2019	3/10/2020	9/15/2020	4/14/2021
1,1,1,2-Tetrachloroethane	<.21	<.21	<.21	<.38	<.38	<.38	<.38	<.38	<.38
1,1,1-Trichloroethane	<.12	<.12	<.12	<.19	<.19	<.19	<.19	<.19	<.19
1,1,2,2-Tetrachloroethane	<.10	<.10	<.10	<.47	<.47	<.47	<.47	<.47	<.47
1,1,2-Trichloroethane	<.12	<.12	<.12	<.45	<.45	<.45	<.45	<.45	<.45
1,1-Dichloroethane	<.21	<.21	<.21	<.22	<.22	<.22	<.22	<.22	<.22
1,1-Dichloroethene	<.15	<.15	<.15	<.56	<.56	<.56	<.56	<.56	<.56
1,2,3-Trichloropropane	<.19	<.19	<.19	<.59	<.59	<.59	<.59	<.59	<.59
1,2-Dibromo-3-chloropropane	<.50	<.50	<.50	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dibromoethane	<.13	<.13	<.13	<.34	<.34	<.34	<.34	<.34	<.34
1,2-Dichlorobenzene	<.14	<.14	<.14	<.37	<.37	<.37	<.37	<.37	<.37
1,2-Dichloroethane	<.18	<.18	<.18	<.39	<.39	<.39	<.39	<.39	<.39
1,2-Dichloropropane	<.87	<.87	<.87	<.27	<.27	<.27	<.27	<.27	<.27
1,4-Dichlorobenzene	<.20	<.20	<.20	<.23	<.23	<.23	<.23	<.23	<.23
2-Butanone	<1.04	<1.04	<1.04	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10
2-Hexanone	<.2	<.2	<.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4-Methyl-2-pentanone	<.22	<.22	<.22	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10
Acetone	<1.79	2.21	<1.79	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10
Acrylonitrile	<.53	<.53	<.53	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20
Alkalinity as CaCO3	628	582	627	664	659	648	580	680	644
Aluminum	<41.3	<41.3	<41.3	33.0	<27.0	<27.0	<30.0	<12.0	215.0
Antimony	<.185	<.185	<.185	<1.320	<.530	<.530	<.580	<.510	<1.100
Arsenic	.508	<.505	<.505	.370	1.910	<.750	<.880	<.880	2.070
Barium	42.9	68.4	66.1	37.4	20.8	39.1	59.0	25.0	14.5
Benzene	<.11	<.11	<.11	<.22	<.22	<.22	<.22	<.22	<.22
Beryllium	<.125	<.125	<.125	<.530	<.270	<.270	<.270	<.270	<.270
Bromochloromethane	<.12	<.12	<.12	<.54	<.54	<.54	<.54	<.54	<.54
Bromodichloromethane	<.12	<.12	<.12	<.39	<.39	<.39	<.39	<.39	<.39
Bromoform	<.14	<.14	<.14	<.78	<.78	<.78	<.78	<.78	<.78
Bromomethane	<.22	<.22	<.22	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10
Cadmium	<.0441	<.0441	<.0441	<.1670	<.0770	<.0390	<.0390	<.0490	.1000
Carbon Disulfide	<.150	<.150	<.150	<.450	<.450	<.450	<.450	<.450	<.450
Carbon Tetrachloride	<.24	<.24	<.24	<.65	<.65	<.65	<.65	<.65	<.65
Chlorobenzene	<.19	<.19	<.19	<.40	<.40	<.40	<.40	<.40	<.40
Chlorodibromomethane	<.20	<.20	<.20	<.75	<.75	<.75	<.75	<.75	<.75
Chloroethane	<.15	<.15	<.15	<.79	<.79	<.79	<.79	<.79	<.79
Chloroform	<.28	<.28	<.28	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30
Chloromethane	<.31	<.31	<.31	<.61	<.61	<.61	<.61	<.61	<.61
Chromium	<.729	<.729	<.729	1.180	<.980	<.980	16.000	<1.100	<1.100
cis-1,2-Dichloroethene	<.13	<.13	<.13	<.21	<.21	<.21	<.21	<.21	<.21
cis-1,3-Dichloropropene	<.15	<.15	<.15	<.25	<.25	<.25	<.25	<.25	<.25
Cobalt	19.1	17.2	16.3	14.7	19.9	16.0	15.5	13.8	20.5
Copper	<2.190	<2.190	<2.190	.502	<2.000	<2.000	<3.200	<1.500	1.620
Dibromomethane	<.18	<.18	<.18	<.33	<.33	<.33	<.33	<.33	<.33
Ethylbenzene	<.21	<.21	<.21	<.31	<.31	<.31	<.31	<.31	<.31
Iodomethane	<.8	<.8	<.8	<.70	<.70	<.70	<.70	<.70	<.70
Iron	3120	176	426	523	4100	617	489	1390	9030
Lead	<.324	<.324	<.324	<.186	<.270	<.270	<.270	<.110	.439
Methylene Chloride	<.170	<.170	.226	<1.700	<1.700	<1.700	<1.700	<1.700	<1.700
Nickel	42.5	27.6	28.7	27.4	50.8	29.5	25.9	31.6	61.6
pH	6.56	7.23	6.56	6.54	6.50	6.52	6.43	6.77	6.48
Selenium	<.928	<.928	<.928	<.982	<1.000	<1.000	<1.000	<1.000	<.960
Silver	<.140	<.140	.170	<.115	<.370	<.370	<.370	<.370	<.420
Styrene	<.10	<.10	<.10	<.37	<.37	<.37	<.37	<.37	<.37
Sulfate	963.0	106.0	93.1	295.0	1860.0	306.0	116.0	415.0	2070.0
Tetrachloroethene	<.18	<.18	<.18	<.48	<.48	<.48	<.48	<.48	<.48
Thallium	<.0644	<.0644	<.0644	<.5700	<.2700	<.2700	<.2600	<.2600	.9040
Toluene				<.43	<.43	<.43	<.43	<.43	<.43
Total Suspended Solids	3.380	1.130	1.000	2.130	3.000	2.630	<.638	2.000	69.500
trans-1,2-Dichloroethene	<.21	<.21	<.21	<.27	<.27	<.27	<.27	<.27	<.27
trans-1,3-Dichloropropene	<.22	<.22	<.22	<.56	<.56	<.56	<.56	<.56	<.56
trans-1,4-Dichloro-2-butene	<.13	<.13	<.13	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10
Trichloroethene	<.19	<.19	<.19	<.43	<.43	<.43	<.43	<.43	<.43
Trichlorofluoromethane	<.17	<.17	<.17	<.38	<.38	<.38	<.38	<.38	<.38
Vanadium	<.840	<.840	<.840	<2.150	<.820	<.820	<.820	<.850	1.360
Vinyl Acetate	<.74	<.74	<.74	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Vinyl Chloride	<.10	<.10	<.10	<.60	<.60	<.18	<.18	<.18	<.18
Xylenes, Total	.459	<.130	<.130	<.400	<.400	<.400	<.400	<.400	<.400
Zinc	<11.50	<11.50	<11.50	7.91	<10.00	<10.00	<10.00	<10.00	11.70

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

Table 9

Analytical Data Summary for MW-303

Constituents	10/27/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025	9/15/2025
1,1,1,2-Tetrachloroethane	<.38	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<.19	<.19	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<.47	<.47	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<.45	<.45	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	<.22	<.22	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	<.56	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	<.59	<.59	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dibromo-3-chloropropane	<1.20	<1.20	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
1,2-Dibromoethane	<.34	<.34	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<.37	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	<.39	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	<.27	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,4-Dichlorobenzene	<.23	<.23	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
2-Butanone	<2.10	<2.10	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
2-Hexanone	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Methyl-2-pentanone	<2.10	<2.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Acetone	<3.10	<3.10	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Acrylonitrile	<2.20	<2.20	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Alkalinity as CaCO3	654	627	522	530	536	584	608	554	562
Aluminum	22.3	28.5	199.0	142.0	76.0	264.0	<50.0	99.0	<50.0
Antimony	<1.100	<.690	<2.000	<2.000	<2.000	<2.000	<2.000	<1.000	<1.000
Arsenic	<.750	<.750	<4.000	<4.000	<4.000	<4.000	<4.000	<2.000	<2.000
Barium	73.3	58.8	58.0	73.9	35.5	92.9	83.1	72.9	78.6
Benzene	<.22	<.22	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Beryllium	<.270	<.270	<4.000	<4.000	<4.000	<4.000	<4.000	<.500	<.500
Bromochloromethane	<.54	<.54	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	<.39	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromoform	<.78	<.78	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromomethane	<1.10	<1.10	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Cadmium	<.0510	<.0550	<.8000	<.8000	<.8000	<.8000	<.8000	<.2000	<.2000
Carbon Disulfide	<.450	<.450	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000	1.500
Carbon Tetrachloride	<.65	<.65	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlorobenzene	<.40	<.40	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlorodibromomethane	<.75	<.75	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroethane	<.79	<.79	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	<1.30	<1.30	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloromethane	<.61	<.61	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chromium	<1.100	<1.100	<8.000	<8.000	<8.000	<8.000	<8.000	1.200	<1.000
cis-1,2-Dichloroethene	<.21	<.21	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	<.25	<.25	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Cobalt	16.9	14.7	9.9	27.9	17.5	23.1	14.0	10.6	8.5
Copper	<1.400	<1.800	<4.000	<4.000	<4.000	<4.000	<4.000	<5.000	<5.000
Dibromomethane	<.33	<.33	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	<.31	<.31	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Iodomethane	<.70	<.70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	580	776	733	1860	1360	1420	984	1760	887
Lead	.457	<.240	<4.000	<4.000	<4.000	<4.000	<4.000	<1.000	<1.000
Methylene Chloride	<1.700	<1.700	<5.000	<5.000	<5.000	<5.000	<5.000	<5.000	<5.000
Nickel	28.8	27.8	30.9	28.6	41.5	28.1	13.5	18.2	12.3
pH	6.49	6.66	6.40	6.50	6.40	6.50	6.40	6.40	6.40
Selenium	<.960	.966	<4.000	<4.000	<4.000	<4.000	<4.000	<2.000	<2.000
Silver	<.420	.580	<4.000	<4.000	<4.000	<4.000	<4.000	<5.000	<5.000
Styrene	<.37	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Sulfate	86.0	187.0	137.0	99.8	272.0	82.7	76.6	89.9	120.0
Tetrachloroethene	<.48	<.48	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Thallium	<.2600	<.2600	<2.0000	<2.0000	<2.0000	<2.0000	<2.0000	<.5000	<.5000
Toluene	<.43	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Total Suspended Solids	4.880	2.630							
trans-1,2-Dichloroethene	<.27	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<.56	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	<1.10	<1.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Trichloroethene	<.43	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	<.38	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vanadium	<1.100	<1.100	<20.000	<20.000	<20.000	<20.000	<20.000	<2.000	<2.000
Vinyl Acetate	<2.50	<2.50	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Vinyl Chloride	<.18	<.18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Xylenes, Total	<.400	<.400	<2.000	<2.000	<2.000	<2.000	<2.000	<2.000	<2.000
Zinc	<10.00	<10.00	<20.00	<20.00	<20.00	<20.00	<20.00	5.80	6.90

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

Table 9

Analytical Data Summary for MW-304

Constituents	Units	3/22/2016	10/20/2016	1/18/2017	3/7/2017	6/28/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019
1,1,1,2-Tetrachloroethane	ug/L	<1.00	<.21	<.21	<.21	<.21	<.21	<.21	<.38	<.38
1,1,1-Trichloroethane	ug/L	<1.00	<.12	<.12	<.12	<.12	<.12	<.12	<.19	<.19
1,1,2,2-Tetrachloroethane	ug/L	<1.00	<.10	<.10	<.10	<.10	<.10	<.10	<.47	<.47
1,1,2-Trichloroethane	ug/L	<1.00	<.12	<.12	<.12	<.12	<.12	<.12	<.45	<.45
1,1-Dichloroethane	ug/L	<1.00	<.21	<.21	<.21	<.21	<.21	<.21	<.22	<.22
1,1-Dichloroethene	ug/L	<2.00	<.15	<.15	<.15	<.15	<.15	<.15	<.56	<.56
1,2,3-Trichloropropane	ug/L	<1.00	<.19	<.19	<.19	<.19	<.19	<.19	<.59	<.59
1,2-Dibromo-3-chloropropane	ug/L	<10.0	<.5	<.5	<.5	<.5	<.5	<.5	<1.2	<1.2
1,2-Dibromoethane	ug/L	<10.00	<.13	<.13	<.13	<.13	<.13	<.13	<.34	<.34
1,2-Dichlorobenzene	ug/L	<1.00	<.14	<.14	<.14	<.14	<.14	<.14	<.37	<.37
1,2-Dichloroethane	ug/L	<1.00	<.18	<.18	<.18	<.18	<.18	<.18	<.39	<.39
1,2-Dichloropropane	ug/L	<1.00	<.87	<.87	<.87	<.87	<.87	<.87	<.27	<.27
1,4-Dichlorobenzene	ug/L	<1.00	<.20	<.20	<.20	<.20	<.20	<.20	<.23	<.23
2-Butanone	ug/L	<10.00	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<2.10	<2.10
2-Hexanone	ug/L	<10.0	<.2	<.2	<.2	<.2	<.2	<.2	<2.0	<2.0
4-Methyl-2-pentanone	ug/L	<10.00	<.22	<.22	<.22	<.22	<.22	<.22	<2.10	<2.10
Acetone	ug/L	<10.00	<1.79	<1.79	<1.79	3.74	2.99	<1.79	<3.10	<3.10
Acrylonitrile	ug/L	<10.00	<.53	<.53	<.53	<.53	<.53	<.53	<2.20	<2.20
Alkalinity as CaCO3	mg/L	464	448		422		422	361	397	412
Aluminum	ug/L	65.4	106.0		<41.3		<41.3	<41.3	<24.6	<27.0
Antimony	ug/L	<.237	<.237	<.237	.816	<.185	<.185	<.185	<1.320	<.530
Arsenic	ug/L	1.060	<.672	3.480	3.760	<.505	<.505	3.680	.509	<.750
Barium	ug/L	77.5	85.1	43.2	103.0	74.3	73.1	39.9	72.3	75.6
Benzene	ug/L	<.50	<.11	<.11	<.11	<.11	<.11	<.11	<.22	<.22
Beryllium	ug/L	<.221	<.221	<.221	<.125	<.125	<.125	<.125	<.530	<.270
Bromochloromethane	ug/L	<5.00	<.12	<.12	<.12	<.12	<.12	<.12	<.54	<.54
Bromodichloromethane	ug/L	<1.00	<.12	<.12	<.12	<.12	<.12	<.12	<.39	<.39
Bromoform	ug/L	<5.00	<.14	<.14	<.14	<.14	<.14	<.14	<.78	<.78
Bromomethane	ug/L	<4.000	<.220	<.220	<.220	<.220	.372	.448	<1.100	<1.100
Cadmium	ug/L	.3710	<.0351	<.0351	.0470	<.0441	<.0441	<.0441	<.1670	<.0770
Carbon Disulfide	ug/L	<1.00	<.15	<.15	<.15	<.15	<.15	<.15	<.45	<.45
Carbon Tetrachloride	ug/L	<2.00	<.24	<.24	<.24	<.24	<.24	<.24	<.65	<.65
Chlorobenzene	ug/L	<1.00	<.19	<.19	<.19	<.19	<.19	<.19	<.40	<.40
Chlorodibromomethane	ug/L	<5.00	<.20	<.20	<.20	<.20	<.20	<.20	<.75	<.75
Chloroethane	ug/L	<4.00	<.15	<.15	<.15	<.15	<.15	<.15	<.79	<.79
Chloroform	ug/L	<1.00	<.28	<.28	<.28	<.28	<.28	<.28	<1.30	<1.30
Chloromethane	ug/L	<3.00	<.31	<.31	<.31	<.31	<.31	<.31	<.61	<.61
Chromium	ug/L	<.355	.436	<.355	<.729	<.729	<.729	<.729	1.280	<.980
cis-1,2-Dichloroethene	ug/L	<1.00	<.13	<.13	<.13	<.13	<.13	<.13	<.21	<.21
cis-1,3-Dichloropropene	ug/L	<5.00	<.15	<.15	<.15	<.15	<.15	<.15	<.25	<.25
Cobalt	ug/L	8.49	6.44	6.64	8.48	4.59	6.39	7.20	7.33	4.75
Copper	ug/L	2.870	<1.220	<1.220	<2.190	<2.190	<2.190	<2.190	.864	<2.000
Dibromomethane	ug/L	<1.00	<.18	<.18	<.18	<.18	<.18	<.18	<.33	<.33
Ethylbenzene	ug/L	<1.00	<.21	<.21	<.21	<.21	<.21	<.21	<.31	<.31
Iodomethane	ug/L	<10.0	<.8	<.8	<.8	<.8	<.8	<.8	<.70	<.70
Iron	ug/L	2250	7870		12200		716	5170	2280	512
Lead	ug/L	.378	<.211	<.211	<.324	<.324	<.324	<.324	<.186	<.270
Methylene Chloride	ug/L	<5.000	<.170	.264	<.170	<.170	<.170	<.170	<1.700	<1.700
Nickel	ug/L	6.13	5.33	4.80	8.29	4.61	4.86	4.76	5.60	4.52
pH	SU	6.87	6.79		6.81		6.88	6.85	7.27	7.17
Selenium	ug/L	<.630	<.630	<.630	1.240	<.928	<.928	<.928	<.982	<1.000
Silver	ug/L	<.153	<.153	<.153	<.140	<.140	.180	<.140	<.115	<.370
Styrene	ug/L	<1.00	<.10	<.10	<.10	<.10	<.10	<.10	<.37	<.37
Sulfate	mg/L	68.0	116.0		86.9		98.2	170.0	85.6	86.0
Tetrachloroethene	ug/L	<1.00	<.18	<.18	<.18	<.18	<.18	<.18	<.48	<.48
Thallium	ug/L	<.0255	.0300	.0340	.1290	<.0644	<.0644	<.0644	<.5700	<.2700
Toluene	ug/L								<.43	<.43
Total Suspended Solids	mg/L	33.20	12.00	6.38	10.50	2.25	5.75	14.30	5.00	3.00
trans-1,2-Dichloroethene	ug/L	<1.00	<.21	<.21	<.21	<.21	<.21	<.21	<.27	<.27
trans-1,3-Dichloropropene	ug/L	<5.00	<.22	<.22	<.22	<.22	<.22	<.22	<.56	<.56
trans-1,4-Dichloro-2-butene	ug/L	<10.00	<.13	<.13	<.13	<.13	<.13	<.13	<1.10	<1.10
Trichloroethene	ug/L	<1.00	<.19	<.19	<.19	<.19	<.19	<.19	<.43	<.43
Trichlorofluoromethane	ug/L	<4.00	<.17	<.17	<.17	<.17	<.17	<.17	<.38	<.38
Vanadium	ug/L	<.255	<.255	<.255	<.840	<.840	<.840	<.840	<2.150	<.820
Vinyl Acetate	ug/L	<10.00	<.74	<.74	<.74	<.74	<.74	<.74	<2.50	<2.50
Vinyl Chloride	ug/L	<1.00	<.10	<.10	<.10	<.10	<.10	<.10	<.60	<.60
Xylenes, Total	ug/L	<3.00	<.13	<.13	<.13	<.13	<.13	<.13	<.40	<.40
Zinc	ug/L	6.66	<5.21	10.60	13.50	<11.50	<11.50	<11.50	7.48	<10.00

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

Table 9

Analytical Data Summary for MW-304

Constituents	9/24/2019	3/10/2020	9/15/2020	4/16/2021	10/27/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023
1,1,1,2-Tetrachloroethane	<.38	<.38	<.38	<.38	<.38	<.38	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<.19	<.19	<.19	<.19	<.19	<.19	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<.47	<.47	<.47	<.47	<.47	<.47	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<.45	<.45	<.45	<.45	<.45	<.45	<1.00	<1.00	<1.00
1,1-Dichloroethane	<.22	<.22	<.22	<.22	<.22	<.22	<1.00	<1.00	<1.00
1,1-Dichloroethene	<.56	<.56	<.56	<.56	<.56	<.56	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	<.59	<.59	<.59	<.59	<.59	<.59	<1.00	<1.00	<1.00
1,2-Dibromo-3-chloropropane	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<5.0	<5.0	<5.0
1,2-Dibromoethane	<.34	<.34	<.34	<.34	<.34	<.34	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<.37	<.37	<.37	<.37	<.37	<.37	<1.00	<1.00	<1.00
1,2-Dichloroethane	<.39	<.39	<.39	<.39	<.39	<.39	<1.00	<1.00	<1.00
1,2-Dichloropropane	<.27	<.27	<.27	<.27	<.27	<.27	<1.00	<1.00	<1.00
1,4-Dichlorobenzene	<.23	<.23	<.23	<.23	<.23	<.23	<1.00	<1.00	<1.00
2-Butanone	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<10.00	<10.00	<10.00
2-Hexanone	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0
4-Methyl-2-pentanone	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<5.00	<5.00	<5.00
Acetone	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<10.00	<10.00	<10.00
Acrylonitrile	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<5.00	<5.00	<5.00
Alkalinity as CaCO3	406	418	421	287	445	314	349	367	343
Aluminum	<27.0	<30.0	<12.0	<15.0	<17.0	<68.0	<100.0	<50.0	<50.0
Antimony	<.530	<.580	<.510	<1.100	<1.100	<2.760	<2.000	<2.000	<2.000
Arsenic	<.750	<.880	<.880	7.670	5.620	5.980	<4.000	<4.000	<4.000
Barium	68.9	71.1	68.1	42.4	36.8	40.8	60.2	66.5	61.0
Benzene	<.22	<.22	<.22	<.22	<.22	<.22	<1.00	<1.00	<1.00
Beryllium	<.270	<.270	<.270	<.270	<.270	<1.080	<4.000	<4.000	<4.000
Bromochloromethane	<.54	<.54	<.54	<.54	<.54	<.54	<1.00	<1.00	<1.00
Bromodichloromethane	<.39	<.39	<.39	<.39	<.39	<.39	<1.00	<1.00	<1.00
Bromoform	<.78	<.78	<.78	<.78	<.78	<.78	<1.00	<1.00	<1.00
Bromomethane	<1.100	<1.100	<1.100	<1.100	<1.100	<1.100	<1.000	<1.000	<1.000
Cadmium	<.0390	<.0390	<.0490	<.0510	<.0510	<.2200	<.8000	<.8000	<.8000
Carbon Disulfide	<.45	<.45	<.45	<.45	<.45	<.45	<1.00	<1.00	<1.00
Carbon Tetrachloride	<.65	<.65	<.65	<.65	<.65	<.65	<1.00	<1.00	<1.00
Chlorobenzene	<.40	<.40	<.40	<.40	<.40	<.40	<1.00	<1.00	<1.00
Chlorodibromomethane	<.75	<.75	<.75	<.75	<.75	<.75	<1.00	<1.00	<1.00
Chloroethane	<.79	<.79	<.79	<.79	<.79	<.79	<1.00	<1.00	<1.00
Chloroform	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.00	<1.00	<1.00
Chloromethane	<.61	<.61	<.61	<.61	<.61	<.61	<1.00	<1.00	<1.00
Chromium	<.980	<1.100	<1.100	<1.100	<1.100	<4.400	<8.000	<8.000	<8.000
cis-1,2-Dichloroethene	<.21	<.21	<.21	<.21	<.21	<.21	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	<.25	<.25	<.25	<.25	<.25	<.25	<1.00	<1.00	<1.00
Cobalt	9.79	8.06	8.98	37.20	18.20	28.90	7.80	4.40	7.10
Copper	<2.000	<3.200	<1.500	<1.400	<1.400	<7.200	<4.000	<4.000	<4.000
Dibromomethane	<.33	<.33	<.33	<.33	<.33	<.33	<1.00	<1.00	<1.00
Ethylbenzene	<.31	<.31	<.31	<.31	<.31	<.31	<1.00	<1.00	<1.00
Iodomethane	<.70	<.70	<.70	<.70	<.70	<.70	<1.0	<1.0	<1.0
Iron	3890	334	7840	13100	8080	12300	1580	6290	3780
Lead	<.270	<.270	<.110	<.210	.737	<.960	<4.000	<4.000	<4.000
Methylene Chloride	<1.700	<1.700	<1.700	<1.700	<1.700	<1.700	<5.000	<5.000	<5.000
Nickel	6.82	4.71	6.13	27.10	13.20	21.40	6.80	4.10	5.50
pH	7.08	6.93	6.90	6.45	6.66	6.83	6.60	7.00	6.80
Selenium	<1.000	<1.000	<1.000	<.960	<.960	<3.840	<4.000	<4.000	<4.000
Silver	<.370	<.370	<.370	<.420	<.420	<1.960	<4.000	<4.000	<4.000
Styrene	<.37	<.37	<.37	<.37	<.37	<.37	<1.00	<1.00	<1.00
Sulfate	135.0	96.1	151.0	1080.0	599.0	1120.0	162.0	80.9	92.6
Tetrachloroethene	<.48	<.48	<.48	<.48	<.48	<.48	<1.00	<1.00	<1.00
Thallium	<.2700	<.2600	<.2600	<.2600	<.2600	<1.0400	<2.0000	<2.0000	<2.0000
Toluene	<.43	<.43	<.43	<.43	<.43	<.43	<1.00	<1.00	<1.00
Total Suspended Solids	6.25	1.00	11.10	21.40	9.50	10.30			
trans-1,2-Dichloroethene	<.27	<.27	<.27	<.27	<.27	<.27	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<.56	<.56	<.56	<.56	<.56	<.56	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<5.00	<5.00	<5.00
Trichloroethene	<.43	<.43	<.43	<.43	<.43	<.43	<1.00	<1.00	<1.00
Trichlorofluoromethane	<.38	<.38	<.38	<.38	<.38	<.38	<1.00	<1.00	<1.00
Vanadium	<.820	<.820	<.850	<1.100	<1.100	<4.400	<20.000	<20.000	<20.000
Vinyl Acetate	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<5.00	<5.00	<5.00
Vinyl Chloride	<.18	<.18	<.18	<.18	<.18	<.18	<1.00	<1.00	<1.00
Xylenes, Total	<.40	<.40	<.40	<.40	<.40	<.40	<2.00	<2.00	<2.00
Zinc	<10.00	<10.00	<10.00	66.30	31.10	52.60	<20.00	<20.00	<20.00

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

Table 9

Analytical Data Summary for MW-304

Constituents	3/19/2024	10/3/2024	3/25/2025	9/15/2025
1,1,1,2-Tetrachloroethane	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	<1.00	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	<1.00	<1.00	<1.00	<1.00
1,2-Dibromo-3-chloropropane	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	<1.00	<1.00	<1.00	<1.00
1,4-Dichlorobenzene	<1.00	<1.00	<1.00	<1.00
2-Butanone	<10.00	<10.00	<10.00	<10.00
2-Hexanone	<5.0	<5.0	<5.0	<5.0
4-Methyl-2-pentanone	<5.00	<5.00	<5.00	<5.00
Acetone	<10.00	<10.00	<10.00	<10.00
Acrylonitrile	<5.00	<5.00	<5.00	<5.00
Alkalinity as CaCO3	359	392	378	374
Aluminum	51.0	<50.0	<50.0	<50.0
Antimony	<2.000	<2.000	<1.000	<1.000
Arsenic	<4.000	<4.000	<2.000	<2.000
Barium	78.6	87.0	82.9	74.7
Benzene	<1.00	<1.00	<1.00	<1.00
Beryllium	<4.000	<4.000	<500	<500
Bromochloromethane	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	<1.00	<1.00	<1.00	<1.00
Bromoform	<1.00	<1.00	<1.00	<1.00
Bromomethane	<1.000	<1.000	<1.000	<1.000
Cadmium	<.8000	<.8000	<.2000	<.2000
Carbon Disulfide	<1.00	<1.00	<1.00	<1.00
Carbon Tetrachloride	<1.00	<1.00	<1.00	<1.00
Chlorobenzene	<1.00	<1.00	<1.00	<1.00
Chlorodibromomethane	<1.00	<1.00	<1.00	<1.00
Chloroethane	<1.00	<1.00	<1.00	<1.00
Chloroform	<1.00	<1.00	<1.00	<1.00
Chloromethane	<1.00	<1.00	<1.00	<1.00
Chromium	<8.000	<8.000	<1.000	<1.000
cis-1,2-Dichloroethene	<1.00	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	<1.00	<1.00	<1.00	<1.00
Cobalt	4.60	4.30	3.20	.80
Copper	<4.000	<4.000	<5.000	<5.000
Dibromomethane	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	<1.00	<1.00	<1.00	<1.00
Iodomethane	<1.0	<1.0	<1.0	<1.0
Iron	4970	513	1410	<100
Lead	<4.000	<4.000	<1.000	<1.000
Methylene Chloride	<5.000	<5.000	<5.000	<5.000
Nickel	4.00	6.50	<5.00	<5.00
pH	6.80	6.70	6.80	6.80
Selenium	<4.000	<4.000	<2.000	<2.000
Silver	<4.000	<4.000	<5.000	<5.000
Styrene	<1.00	<1.00	<1.00	<1.00
Sulfate	45.5	75.7	45.6	47.1
Tetrachloroethene	<1.00	<1.00	<1.00	<1.00
Thallium	<2.0000	<2.0000	<.5000	<.5000
Toluene	<1.00	<1.00	<1.00	<1.00
Total Suspended Solids				
trans-1,2-Dichloroethene	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<1.00	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	<5.00	<5.00	<5.00	<5.00
Trichloroethene	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	<1.00	<1.00	<1.00	<1.00
Vanadium	<20.000	<20.000	<2.000	<2.000
Vinyl Acetate	<5.00	<5.00	<5.00	<5.00
Vinyl Chloride	<1.00	<1.00	<1.00	<1.00
Xylenes, Total	<2.00	<2.00	<2.00	<2.00
Zinc	<20.00	<20.00	<5.00	<5.00

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

Table 9

Analytical Data Summary for MW-307

Constituents	Units	9/18/2012	3/27/2013	9/26/2013	4/15/2014	9/1/2015	3/22/2016	10/21/2016	3/8/2017
1,1,1,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.21	<.21
1,1,1-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.12	<.12
1,1,2,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.10	<.10
1,1,2-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.12	<.12
1,1-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.21	<.21
1,1-Dichloroethene	ug/L	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<.15	<.15
1,1-Dichloropropene	ug/L	<1		<1					
1,2,3-Trichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.19	<.19
1,2,4,5-Tetrachlorobenzene	ug/L	<10.0		<10.2					
1,2,4-Trichlorobenzene	ug/L	<5		<5					
1,2-Dibromo-3-chloropropane	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.5	<.5
1,2-Dibromoethane	ug/L	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<.13	<.13
1,2-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.14	<.14
1,2-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.18	<.18
1,2-Dichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.87	<.87
1,3,5-Trinitrobenzene	ug/L	<10.0		<10.2					
1,3-Dichlorobenzene	ug/L	<1		<1					
1,3-Dichloropropane	ug/L	<1		<1					
1,3-Dinitrobenzene	ug/L	<10.0		<10.2					
1,4-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.20	<.20
1,4-Naphthoquinone	ug/L	<10.0		<10.2					
1-Naphthylamine	ug/L	<10.0		<10.2					
2,2'-oxybis[1-Chloropropane]	ug/L	<10.0		<10.2					
2,2-Dichloropropane	ug/L	<4		<4					
2,3,4,6-Tetrachlorophenol	ug/L	<10.0		<10.2					
2,4,5-T	ug/L	<1.00		<1.16					
2,4,5-TP [Silvex]	ug/L	<1.00		<1.16					
2,4,5-Trichlorophenol	ug/L	<10.0		<10.2					
2,4,6-Trichlorophenol	ug/L	<10.0		<10.2					
2,4-D	ug/L	<1.00		<1.16					
2,4-Dichlorophenol	ug/L	<10.0		<10.2					
2,4-Dimethylphenol	ug/L	<10.0		<10.2					
2,4-Dinitrophenol	ug/L	<20.0		<20.4					
2,4-Dinitrotoluene	ug/L	<10.0		<10.2					
2,6-Dichlorophenol	ug/L	<10.0		<10.2					
2,6-Dinitrotoluene	ug/L	<10.0		<10.2					
2-Acetylaminofluorene	ug/L	<10.0		<10.2					
2-Butanone	ug/L	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<1.04	<1.04
2-Chloronaphthalene	ug/L	<10.0		<10.2					
2-Chlorophenol	ug/L	<10.0		<10.2					
2-Hexanone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.2	<.2
2-Methylnaphthalene	ug/L	<10.0		<10.2					
2-Methylphenol [o-Cresol]	ug/L	<10.0		<10.2					
2-Naphthylamine	ug/L	<10.0		<10.2					
2-Nitroaniline	ug/L	<10.0		<10.2					
2-Nitrophenol	ug/L	<10.0		<10.2					
3,3-Dichlorobenzidine	ug/L	<10		<51					
3,3-Dimethylbenzidine	ug/L	<10.0		<10.2					
3-Methylcholanthrene	ug/L	<10.0		<10.2					
3-Nitroaniline	ug/L	<10.0		<10.2					
4,4'-DDD	ug/L	<.0320		<.0327					
4,4'-DDE	ug/L	<.0320		<.0327					
4,4'-DDT	ug/L	<.0320		<.0327					
4,6-Dinitro-2-methylphenol	ug/L	<10.0		<10.2					
4-Aminobiphenyl	ug/L	<10.0		<10.2					
4-Bromophenyl phenyl ether	ug/L	<10.0		<10.2					
4-Chloro-3-methylphenol	ug/L	<10.0		<10.2					
4-Chloroaniline	ug/L	<10.0		<10.2					
4-Chlorophenyl phenyl ether	ug/L	<10.0		<10.2					
4-Methyl-2-pentanone	ug/L	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<.22	<.22
4-Nitroaniline	ug/L	<10.0		<10.2					
4-Nitrophenol	ug/L	<10.0		<10.2					
5-Nitro-o-toluidine	ug/L	<10.0		<10.2					
7,12-Dimethylbenz[a]anthracene	ug/L	<10.0		<10.2					
Acenaphthene	ug/L	<10.0		<10.2					
Acetone	ug/L	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<1.79	2.61
Acetonitrile	ug/L	<10000		739					
Acetophenone	ug/L	<10.0		<10.2					
Acrolein	ug/L	<10		<10					
Acrylonitrile	ug/L	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<.53	<.53
Aldrin	ug/L	<.0320		<.0327					
Alkalinity as CaCO3	mg/L					<5.0	44.4	67.0	97.9
Allyl Chloride	ug/L	<20		<2					
alpha-BHC	ug/L	<.0320		<.0327					
Aluminum	ug/L					252.0	229.0	180.0	264.0
Anthracene	ug/L	<10.0		<10.2					
Antimony	ug/L	<12.000	<6.000	<6.000	<6.000	<1.000	<.237	<.237	<.185

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

Table 9

Analytical Data Summary for MW-307

Constituents	9/25/2017	3/13/2018	10/1/2018	3/27/2019	9/23/2019	3/9/2020	9/17/2020	4/16/2021	10/28/2021
1,1,1,2-Tetrachloroethane	<.21	<.21	<.38	<.38	<.38	<.38	<.38	<.38	<.38
1,1,1-Trichloroethane	<.12	<.12	<.19	<.19	<.19	<.19	<.19	<.19	<.19
1,1,2,2-Tetrachloroethane	<.10	<.10	<.47	<.47	<.47	<.47	<.47	<.47	<.47
1,1,2-Trichloroethane	<.12	<.12	<.45	<.45	<.45	<.45	<.45	<.45	<.45
1,1-Dichloroethane	<.21	<.21	<.22	<.22	<.22	<.22	<.22	<.22	<.22
1,1-Dichloroethene	<.15	<.15	<.56	<.56	<.56	<.56	<.56	<.56	<.56
1,1-Dichloropropene									
1,2,3-Trichloropropane	<.19	<.19	<.59	<.59	<.59	<.59	<.59	<.59	<.59
1,2,4,5-Tetrachlorobenzene									
1,2,4-Trichlorobenzene									
1,2-Dibromo-3-chloropropane	<.5	<.5	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromoethane	<.13	<.13	<.34	<.34	<.34	<.34	<.34	<.34	<.34
1,2-Dichlorobenzene	<.14	<.14	<.37	<.37	<.37	<.37	<.37	<.37	<.37
1,2-Dichloroethane	<.18	<.18	<.39	<.39	<.39	<.39	<.39	<.39	<.39
1,2-Dichloropropane	<.87	<.87	<.27	<.27	<.27	<.27	<.27	<.27	<.27
1,3,5-Trinitrobenzene									
1,3-Dichlorobenzene									
1,3-Dichloropropane									
1,3-Dinitrobenzene									
1,4-Dichlorobenzene	<.20	<.20	<.23	<.23	<.23	<.23	<.23	<.23	<.23
1,4-Naphthoquinone									
1-Naphthylamine									
2,2'-oxybis[1-Chloropropane]									
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	<1.04	<1.04	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10
2-Chloronaphthalene									
2-Chlorophenol									
2-Hexanone	<.2	<.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-Methylnaphthalene									
2-Methylphenol [o-Cresol]									
2-Naphthylamine									
2-Nitroaniline									
2-Nitrophenol									
3,3-Dichlorobenzidine									
3,3-Dimethylbenzidine									
3-Methylcholanthrene									
3-Nitroaniline									
4,4'-DDD									
4,4'-DDE									
4,4'-DDT									
4,6-Dinitro-2-methylphenol									
4-Aminobiphenyl									
4-Bromophenyl phenyl ether									
4-Chloro-3-methylphenol									
4-Chloroaniline									
4-Chlorophenyl phenyl ether									
4-Methyl-2-pentanone	<.22	<.22	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10
4-Nitroaniline									
4-Nitrophenol									
5-Nitro-o-toluidine									
7,12-Dimethylbenz[a]anthracene									
Acenaphthene									
Acetone	2.41	<1.79	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<.53	<.53	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20
Aldrin									
Alkalinity as CaCO3	82.4	37.8	82.4	56.7	89.1	95.0	130.0	79.2	200.0
Allyl Chloride									
alpha-BHC									
Aluminum	158.0	284.0	283.0	174.0	187.0	157.0	138.0	225.0	80.3
Anthracene									
Antimony	<.185	<.740	<1.320	<.530	<2.120	<.580	<.510	<1.100	<1.100

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

Table 9

Analytical Data Summary for MW-307

Constituents	4/13/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025	9/15/2025
1,1,1,2-Tetrachloroethane	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<.19	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<.47	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<.45	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	<.22	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloropropene								
1,2,3-Trichloropropane	<.59	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene								
1,2,4-Trichlorobenzene								
1,2-Dibromo-3-chloropropane	<1.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	<.34	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,3,5-Trinitrobenzene								
1,3-Dichlorobenzene								
1,3-Dichloropropane								
1,3-Dinitrobenzene								
1,4-Dichlorobenzene	<.23	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,4-Naphthoquinone								
1-Naphthylamine								
2,2'-oxybis[1-Chloropropane]								
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	<2.10	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
2-Chloronaphthalene								
2-Chlorophenol								
2-Hexanone	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Methylnaphthalene								
2-Methylphenol [o-Cresol]								
2-Naphthylamine								
2-Nitroaniline								
2-Nitrophenol								
3,3-Dichlorobenzidine								
3,3-Dimethylbenzidine								
3-Methylcholanthrene								
3-Nitroaniline								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
4,6-Dinitro-2-methylphenol								
4-Aminobiphenyl								
4-Bromophenyl phenyl ether								
4-Chloro-3-methylphenol								
4-Chloroaniline								
4-Chlorophenyl phenyl ether								
4-Methyl-2-pentanone	<2.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
4-Nitroaniline								
4-Nitrophenol								
5-Nitro-o-toluidine								
7,12-Dimethylbenz[a]anthracene								
Acenaphthene								
Acetone	<3.10	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Acetonitrile								
Acetophenone								
Acrolein								
Acrylonitrile	<2.20	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Aldrin								
Alkalinity as CaCO3	103.0	62.0	53.0	84.0	102.0	117.0	<10.0	<50.0
Allyl Chloride								
alpha-BHC								
Aluminum	198.0	237.0	213.0	695.0	236.0	245.0	278.0	90.0
Anthracene								
Antimony	<2.760	<2.000	<2.000	4.400	<2.000	<2.000	<1.000	<1.000

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

Table 9

Analytical Data Summary for MW-307

Constituents	Units	9/18/2012	3/27/2013	9/26/2013	4/15/2014	9/1/2015	3/22/2016	10/21/2016	3/8/2017
Arsenic	ug/L	2.01	<2.00	4.67	<1.00	3.70	4.35	3.96	<5.05
Barium	ug/L	<10.00	10.40	<30.00	<10.00	9.59	8.51	8.92	8.71
Benzene	ug/L	<.50	<.50	<.50	<.50	<.50	<.50	<.11	<.11
Benzo[a]anthracene	ug/L	<10.0		<10.2					
Benzo[a]pyrene	ug/L	<10.0		<10.2					
Benzo[b]fluoranthene	ug/L	<10.0		<10.2					
Benzo[ghi]perylene	ug/L	<10.0		<10.2					
Benzo[k]fluoranthene	ug/L	<10.0		<10.2					
Benzyl alcohol	ug/L	<10.0		<10.2					
Beryllium	ug/L	<1.000	.624	.580	.265	<1.000	.539	.477	.455
beta-BHC	ug/L	<.0320		<.0327					
Bis(2-chloroethoxy)methane	ug/L	<10.0		<10.2					
Bis(2-chloroethyl)ether	ug/L	<10.0		<10.2					
Bis(2-ethylhexyl)phthalate	ug/L	<10.0		<10.2					
Bromochloromethane	ug/L	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<.12	<.12
Bromodichloromethane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.12	<.12
Bromoform	ug/L	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<.14	<.14
Bromomethane	ug/L	<20.00	<4.00	<4.00	<4.00	<4.00	<4.00	<.22	<.22
Butylbenzylphthalate	ug/L	<10.0		<10.2					
Cadmium	ug/L	<.500	<.500	<.500	.147	<.500	.162	.115	.106
Carbon Disulfide	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.15	<.15
Carbon Tetrachloride	ug/L	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<.24	<.24
Chlordane	ug/L	<2.00		<2.04					
Chlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.19	<.19
Chlorobenzilate	ug/L	<10.0		<10.2					
Chlorodibromomethane	ug/L	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<.20	<.20
Chloroethane	ug/L	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<.15	<.15
Chloroform	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.28	<.28
Chloromethane	ug/L	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<.31	<.31
Chloroprene	ug/L	<1		<1					
Chromium	ug/L	<20.000	<20.000	<60.000	<20.000	<5.000	<.355	<.355	<7.290
Chrysene	ug/L	<10.0		<10.2					
cis-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.13	<.13
cis-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<.15	<.15
Cobalt	ug/L	60.1	83.8	44.3	59.8	41.9	50.9	59.1	68.4
Copper	ug/L	<20.00	<20.00	<60.00	<20.00	<2.00	<1.22	<1.22	<2.19
Cyanide	mg/L	<.01		<.01					
delta-BHC	ug/L	<.0320		<.0327					
Diallate	ug/L	<10.0		<10.2					
Dibenzo(a,h)anthracene	ug/L	<10.0		<10.2					
Dibenzofuran	ug/L	<10.0		<10.2					
Dibromomethane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.18	<.18
Dichlorodifluoromethane	ug/L	<3.00	<3.00	<3.00	<3.00			<.20	<.20
Dieldrin	ug/L	<.0320		<.0327					
Diethyl phthalate	ug/L	<10.0		<10.2					
Dimethoate	ug/L	<10.0		<10.2					
Dimethyl phthalate	ug/L	<10.0		<10.2					
Di-n-butylphthalate	ug/L	<10.0		<10.2					
Di-n-octylphthalate	ug/L	<10.0		<20.4					
Dinoseb	ug/L	<10.0		<10.2					
Diphenylamine	ug/L	<10.0		<10.2					
Disulfoton	ug/L	<10.0		<10.2					
Endosulfan I	ug/L	<.0320		<.0327					
Endosulfan II	ug/L	<.0320		<.0327					
Endosulfan Sulfate	ug/L	<.0320		<.0327					
Endrin	ug/L	<.0320		<.0327					
Endrin Aldehyde	ug/L	<.0320		<.0327					
Ethyl Methacrylate	ug/L	<2		<2					
Ethyl Methanesulfonate	ug/L	<10.0		<10.2					
Ethylbenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.21	<.21
Famphur	ug/L	<20.0		<20.4					
Fluoranthene	ug/L	<10.0		<10.2					
Fluorene	ug/L	<10.0		<10.2					
gamma-BHC (Lindane)	ug/L	<.0320		<.0327					
Heptachlor	ug/L	<.0320		<.0327					
Heptachlor Epoxide	ug/L	<.0320		<.0327					
Hexachlorobenzene	ug/L	<10.0		<10.2					
Hexachlorobutadiene	ug/L	<10.0		<10.2					
Hexachlorocyclopentadiene	ug/L	<10.0		<20.4					
Hexachloroethane	ug/L	<10.0		<10.2					
Hexachloropropene	ug/L	<10.0		<10.2					
Indeno[1,2,3-cd]pyrene	ug/L	<10.0		<10.2					
Iodomethane	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.8	<.8
Iron	ug/L					380000	354000	349000	343000
Isobutanol	ug/L	<10000		<10000					
Isodrin	ug/L	<10.0		<10.2					
Isophorone	ug/L	<10.0		<10.2					

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

Table 9

Analytical Data Summary for MW-307

Constituents	9/25/2017	3/13/2018	10/1/2018	3/27/2019	9/23/2019	3/9/2020	9/17/2020	4/16/2021	10/28/2021
Arsenic	3.89	3.72	4.41	3.69	3.91	3.97	3.92	4.34	<.75
Barium	8.57	9.27	7.24	7.86	7.97	8.26	7.67	9.91	17.60
Benzene	<.11	<.11	<.22	<.22	<.22	<.22	<.22	<.22	<.22
Benzo[a]anthracene									
Benzo[a]pyrene									
Benzo[b]fluoranthene									
Benzo[ghi]perylene									
Benzo[k]fluoranthene									
Benzyl alcohol									
Beryllium	.427	<.500	<.530	.375	<1.080	.330	<1.080	.577	<.270
beta-BHC									
Bis(2-chloroethoxy)methane									
Bis(2-chloroethyl)ether									
Bis(2-ethylhexyl)phthalate									
Bromochloromethane	<.12	<.12	<.54	<.54	<.54	<.54	<.54	<.54	<.54
Bromodichloromethane	<.12	<.12	<.39	<.39	<.39	<.39	<.39	<.39	<.39
Bromoform	<.14	<.14	<.78	<.78	<.78	<.78	<.78	<.78	<.78
Bromomethane	<.22	<.22	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10
Butylbenzylphthalate									
Cadmium	.075	<.176	.817	.091	<.156	.128	.086	.116	.084
Carbon Disulfide	<.15	<.15	<.45	<.45	<.45	<.45	<.45	<.45	<.45
Carbon Tetrachloride	<.24	<.24	<.65	<.65	<.65	<.65	<.65	<.65	<.65
Chlordane									
Chlorobenzene	<.19	<.19	<.40	<.40	<.40	<.40	<.40	<.40	<.40
Chlorobenzilate									
Chlorodibromomethane	<.20	<.20	<.75	<.75	<.75	<.75	<.75	<.75	<.75
Chloroethane	<.15	<.15	<.79	<.79	<.79	<.79	<.79	<.79	<.79
Chloroform	<.28	<.28	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30
Chloromethane	<.31	<.31	<.61	<.61	<.61	<.61	<.61	<.61	<.61
Chloroprene									
Chromium	<.729	<2.920	1.600	<.980	<3.920	<1.100	<1.100	<1.100	<1.100
Chrysene									
cis-1,2-Dichloroethene	<.13	<.13	<.21	<.21	<.21	<.21	<.21	<.21	<.21
cis-1,3-Dichloropropene	<.15	<.15	<.25	<.25	<.25	<.25	<.25	<.25	<.25
Cobalt	58.0	65.1	52.4	35.6	44.9	42.0	45.8	59.1	14.8
Copper	<2.19	<8.76	1.24	<2.00	<8.00	<3.20	<1.50	<1.40	1.54
Cyanide									
delta-BHC									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromomethane	<.18	<.18	<.33	<.33	<.33	<.33	<.33	<.33	<.33
Dichlorodifluoromethane	<.20	<.20	<.25		<.25				
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethyl phthalate									
Di-n-butylphthalate									
Di-n-octylphthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan I									
Endosulfan II									
Endosulfan Sulfate									
Endrin									
Endrin Aldehyde									
Ethyl Methacrylate									
Ethyl Methanesulfonate									
Ethylbenzene	<.21	<.21	<.31	<.31	<.31	<.31	<.31	<.31	<.31
Famphur									
Fluoranthene									
Fluorene									
gamma-BHC (Lindane)									
Heptachlor									
Heptachlor Epoxide									
Hexachlorobenzene									
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno[1,2,3-cd]pyrene									
Iodomethane	<.8	<.8	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Iron	322000	310000	293000	250000	287000	313000	290000	350000	1490
Isobutanol									
Isodrin									
Isophorone									

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

Table 9

Analytical Data Summary for MW-307

Constituents	4/13/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025	9/15/2025
Arsenic	3.92	<4.00	4.30	31.90	4.00	4.50	<2.00	2.60
Barium	8.82	8.30	8.90	21.80	9.00	12.80	9.50	9.90
Benzene	<.22	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Benzo[a]anthracene								
Benzo[a]pyrene								
Benzo[b]fluoranthene								
Benzo[ghi]perylene								
Benzo[k]fluoranthene								
Benzyl alcohol								
Beryllium	<1.080	<4.000	<4.000	<4.000	<4.000	<4.000	<.500	<.500
beta-BHC								
Bis(2-chloroethoxy)methane								
Bis(2-chloroethyl)ether								
Bis(2-ethylhexyl)phthalate								
Bromochloromethane	<.54	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromoform	<.78	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromomethane	<1.10	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Butylbenzylphthalate								
Cadmium	<.220	<.800	<.800	<.800	<.800	<.800	.200	<.200
Carbon Disulfide	<.45	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	3.20
Carbon Tetrachloride	<.65	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlordane								
Chlorobenzene	<.40	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlorobenzilate								
Chlorodibromomethane	<.75	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroethane	<.79	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	<1.30	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloromethane	<.61	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroprene								
Chromium	<4.400	<8.000	<8.000	<8.000	<8.000	<8.000	<1.000	<1.000
Chrysene								
cis-1,2-Dichloroethene	<.21	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	<.25	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Cobalt	53.5	39.9	48.5	36.6	42.8	39.7	37.4	36.5
Copper	<7.20	<4.00	<4.00	4.20	<4.00	<4.00	<5.00	<5.00
Cyanide								
delta-BHC								
Diallate								
Dibenzo(a,h)anthracene								
Dibenzofuran								
Dibromomethane	<.33	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Dichlorodifluoromethane								
Dieldrin								
Diethyl phthalate								
Dimethoate								
Dimethyl phthalate								
Di-n-butylphthalate								
Di-n-octylphthalate								
Dinoseb								
Diphenylamine								
Disulfoton								
Endosulfan I								
Endosulfan II								
Endosulfan Sulfate								
Endrin								
Endrin Aldehyde								
Ethyl Methacrylate								
Ethyl Methanesulfonate								
Ethylbenzene	<.31	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Famphur								
Fluoranthene								
Fluorene								
gamma-BHC (Lindane)								
Heptachlor								
Heptachlor Epoxide								
Hexachlorobenzene								
Hexachlorobutadiene								
Hexachlorocyclopentadiene								
Hexachloroethane								
Hexachloropropene								
Indeno[1,2,3-cd]pyrene								
Iodomethane	<7.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	272000	268000	280000	266000	243000	225000	257000	230000
Isobutanol								
Isodrin								
Isophorone								

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

Table 9

Analytical Data Summary for MW-307

Constituents	Units	9/18/2012	3/27/2013	9/26/2013	4/15/2014	9/1/2015	3/22/2016	10/21/2016	3/8/2017
Isosafrole	ug/L	<10.0		<10.2					
Kepon	ug/L	<10.0		<10.2					
Lead	ug/L	<4.000	<4.000	<4.000	<4.000	<.500	<.211	<.211	<.324
Mercury	ug/L	<.267		<.200					
Methacrylonitrile	ug/L	<1		<1					
Methapyrilene	ug/L	<10.0		<10.2					
Methoxychlor	ug/L	<.0320		<.0327					
Methyl Methacrylate	ug/L	<2		<2					
Methyl Methanesulfonate	ug/L	<10.0		<10.2					
Methyl Parathion	ug/L	<10.0		<10.2					
Methylene Chloride	ug/L	<5.000	<5.000	<5.000	<5.000	<5.000	<5.000	.231	<.170
Naphthalene	ug/L	<5		<5					
Nickel	ug/L	115.0	122.0	79.6	101.0	70.9	84.3	69.8	112.0
Nitrobenzene	ug/L	<10.0		<10.2					
N-Nitrosodiethylamine	ug/L	<10.0		<10.2					
N-Nitrosodimethylamine	ug/L	<10.0		<10.2					
N-Nitrosodi-n-butylamine	ug/L	<10.0		<10.2					
N-Nitrosodi-n-propylamine	ug/L	<10.0		<10.2					
N-Nitrosodiphenylamine	ug/L	<10.0		<10.2					
N-Nitrosomethylethylamine	ug/L	<10.0		<10.2					
N-Nitrosopiperidine	ug/L	<10.0		<10.2					
N-Nitrosopyrrolidine	ug/L	<10.0		<10.2					
o,o,o-Triethylphosphorothioate	ug/L	<10.0		<10.2					
o-Toluidine	ug/L	<10.0		<10.2					
p-[Dimethylamino]azobenzene	ug/L	<10.0		<10.2					
Parathion	ug/L	<10.0		<10.2					
PCB-1016	ug/L	<.800		<.816					
PCB-1221	ug/L	<.800		<.816					
PCB-1232	ug/L	<.800		<.816					
PCB-1242	ug/L	<.800		<.816					
PCB-1248	ug/L	<.800		<.816					
PCB-1254	ug/L	<.800		<.816					
PCB-1260	ug/L	<.800		<.816					
Pentachlorobenzene	ug/L	<10.0		<10.2					
Pentachloronitrobenzene	ug/L	<10.0		<10.2					
Pentachlorophenol	ug/L	<10.0		<10.2					
pH	SU					5.88	5.90	5.92	5.67
Phenacetin	ug/L	<10.0		<10.2					
Phenanthrene	ug/L	<10.0		<10.2					
Phenol	ug/L	<10.0		<10.2					
Phorate	ug/L	<10.0		<10.2					
p-Phenylenediamine	ug/L	<10.0		<10.2					
Pronamide	ug/L	<10.0		<10.2					
Propionitrile	ug/L	<10		<10					
Pyrene	ug/L	<10.0		<10.2					
Safrole	ug/L	<10.0		<10.2					
Selenium	ug/L	<5.000	<5.000	<5.000	<5.000	<5.000	.643	1.480	2.310
Silver	ug/L	36.000	<20.000	18.100	<20.000	<1.000	<.153	<.153	<1.400
Styrene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.10	<.10
Sulfate	mg/L					475	3380	3260	2690
Sulfide	mg/L	<1.000	.696	1.400	5.280			<.180	3.340
Tetrachloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.18	<.18
Thallium	ug/L	<2.0000	<2.0000	<2.0000	<2.0000	<1.0000	.0460	.0440	<.0644
Thionazin	ug/L	<10.0		<10.2					
Tin	ug/L	<100.000	<100.000	913.000	<100.000			<.832	<1.620
Toluene	ug/L								
Total Suspended Solids	mg/L					34.70	19.50	14.00	3.75
Toxaphene	ug/L	<2.00		<2.04					
trans-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.21	<.21
trans-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<.22	<.22
trans-1,4-Dichloro-2-butene	ug/L	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<.13	<.13
Trichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.19	<.19
Trichlorofluoromethane	ug/L	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<.17	<.17
Vanadium	ug/L	<50.000	22.700	<150.000	<50.000	<5.000	<.255	<.255	<.840
Vinyl Acetate	ug/L	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<.74	<.74
Vinyl Chloride	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.10	<.10
Xylenes, Total	ug/L	<3.000	<3.000	<3.000	<3.000	<3.000	<3.000	.324	.362
Zinc	ug/L	434.0	663.0	695.0	356.0	338.0	385.0	456.0	492.0

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

Table 9

Analytical Data Summary for MW-307

Constituents	9/25/2017	3/13/2018	10/1/2018	3/27/2019	9/23/2019	3/9/2020	9/17/2020	4/16/2021	10/28/2021
Isosafrole									
Kepon									
Lead	<.324	<1.300	<.186	<.270	<1.080	<.270	<.110	<.210	.770
Mercury									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl Methacrylate									
Methyl Methanesulfonate									
Methyl Parathion									
Methylene Chloride	<.170	<.170	<1.700	<1.700	<1.700	<1.700	<1.700	<1.700	<1.700
Naphthalene									
Nickel	62.0	98.9	92.9	79.1	75.9	71.1	76.9	104.0	31.5
Nitrobenzene									
N-Nitrosodiethylamine									
N-Nitrosodimethylamine									
N-Nitrosodi-n-butylamine									
N-Nitrosodi-n-propylamine									
N-Nitrosodiphenylamine									
N-Nitrosomethylethylamine									
N-Nitrosopiperidine									
N-Nitrosopyrrolidine									
o,o,o-Triethylphosphorothioate									
o-Toluidine									
p-[Dimethylamino]azobenzene									
Parathion									
PCB-1016									
PCB-1221									
PCB-1232									
PCB-1242									
PCB-1248									
PCB-1254									
PCB-1260									
Pentachlorobenzene									
Pentachloronitrobenzene									
Pentachlorophenol									
pH	5.82	5.73	5.73	5.75	5.63	5.77	5.84	5.85	6.82
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
p-Phenylenediamine									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium	1.060	<3.710	1.040	1.230	<4.000	1.240	<1.000	<.960	<.960
Silver	<.140	<.560	<.115	<.370	<1.480	<.370	<.370	<.420	<.420
Styrene	<.10	<.10	<.37	<.37	<.37	<.37	<.37	<.37	<.37
Sulfate	2380	2590	3200	2510	2140	2130	2140	2400	1010
Sulfide	6.740	6.990	7.200	2.360	1.450	3.680	11.400	<10.000	<.231
Tetrachloroethene	<.18	<.18	<.48	<.48	<.48	<.48	<.48	<.48	<.48
Thallium	<.0644	<.2580	<.5700	<.2700	<1.0800	<.2600	<.2600	<.2600	<.2600
Thionazin									
Tin	<1.620	<6.480	<1.300	<1.800	<1.800				
Toluene			<.43	<.43	<.43	<.43	<.43	<.43	<.43
Total Suspended Solids	7.00	15.80	10.80	6.63	33.50	5.63	12.80	11.80	6.60
Toxaphene									
trans-1,2-Dichloroethene	<.21	<.21	<.27	<.27	<.27	<.27	<.27	<.27	<.27
trans-1,3-Dichloropropene	<.22	<.22	<.56	<.56	<.56	<.56	<.56	<.56	<.56
trans-1,4-Dichloro-2-butene	<.13	<.13	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10
Trichloroethene	<.19	<.19	<.43	<.43	<.43	<.43	<.43	<.43	<.43
Trichlorofluoromethane	<.17	<.17	<.38	<.38	<.38	<.38	<.38	<.38	<.38
Vanadium	<.840	<3.360	<2.150	<.820	<3.280	<.820	<.850	<1.100	<1.100
Vinyl Acetate	<.74	<.74	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Vinyl Chloride	<.10	<.10	<.60	<.60	<.18	<.18	<.18	<.18	<.18
Xylenes, Total	<.130	<.130	<.400	.481	<.400	<.400	<.400	<.400	<.400
Zinc	283.0	447.0	424.0	346.0	322.0	308.0	349.0	443.0	10.6

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

Table 9

Analytical Data Summary for MW-307

Constituents	4/13/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025	9/15/2025
Isosafrole								
Kepon								
Lead	<.960	<4.000	<4.000	<4.000	<4.000	<4.000	<1.000	<1.000
Mercury								
Methacrylonitrile								
Methapyrilene								
Methoxychlor								
Methyl Methacrylate								
Methyl Methanesulfonate								
Methyl Parathion								
Methylene Chloride	<1.700	<5.000	<5.000	<5.000	<5.000	<5.000	<5.000	<5.000
Naphthalene								
Nickel	88.8	70.0	83.7	68.1	74.2	69.8	53.4	62.8
Nitrobenzene								
N-Nitrosodiethylamine								
N-Nitrosodimethylamine								
N-Nitrosodi-n-butylamine								
N-Nitrosodi-n-propylamine								
N-Nitrosodiphenylamine								
N-Nitrosomethylethylamine								
N-Nitrosopiperidine								
N-Nitrosopyrrolidine								
o,o,o-Triethylphosphorothioate								
o-Toluidine								
p-[Dimethylamino]azobenzene								
Parathion								
PCB-1016								
PCB-1221								
PCB-1232								
PCB-1242								
PCB-1248								
PCB-1254								
PCB-1260								
Pentachlorobenzene								
Pentachloronitrobenzene								
Pentachlorophenol								
pH	5.85	5.70	5.50	5.60	5.70	5.60	5.60	5.80
Phenacetin								
Phenanthrene								
Phenol								
Phorate								
p-Phenylenediamine								
Pronamide								
Propionitrile								
Pyrene								
Safrole								
Selenium	<3.840	<4.000	<4.000	6.400	<4.000	<4.000	<2.000	<2.000
Silver	<1.960	<4.000	<4.000	<4.000	<4.000	<4.000	<5.000	<5.000
Styrene	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Sulfate	2230	1990	2130	1980	2020	1910	2030	2200
Sulfide	<.231	<.300						
Tetrachloroethene	<.48	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Thallium	<1.0400	<2.0000	<2.0000	<2.0000	<2.0000	<2.0000	<.5000	<.5000
Thionazin								
Tin								
Toluene	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Total Suspended Solids	29.00							
Toxaphene								
trans-1,2-Dichloroethene	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	<1.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Trichloroethene	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vanadium	<4.400	<20.000	<20.000	<20.000	<20.000	<20.000	<2.000	<2.000
Vinyl Acetate	<2.50	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Vinyl Chloride	<.18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Xylenes, Total	<.400	<2.000	<2.000	<2.000	<2.000	<2.000	<2.000	<2.000
Zinc	374.0	271.0	324.0	383.0	304.0	253.0	238.0	311.0

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

Table 9

Analytical Data Summary for MW-309

Constituents	Units	9/1/2015
1,1,1,2-Tetrachloroethane	ug/L	<1
1,1,1-Trichloroethane	ug/L	<1
1,1,2,2-Tetrachloroethane	ug/L	<1
1,1,2-Trichloroethane	ug/L	<1
1,1-Dichloroethane	ug/L	<1
1,1-Dichloroethene	ug/L	<2
1,2,3-Trichloropropane	ug/L	<1
1,2-Dibromo-3-chloropropane	ug/L	<10
1,2-Dibromoethane	ug/L	<10
1,2-Dichlorobenzene	ug/L	<1
1,2-Dichloroethane	ug/L	<1
1,2-Dichloropropane	ug/L	<1
1,4-Dichlorobenzene	ug/L	<1
2-Butanone	ug/L	<10
2-Hexanone	ug/L	<10
4-Methyl-2-pentanone	ug/L	<10
Acetone	ug/L	<10
Acrylonitrile	ug/L	<10
Alkalinity as CaCO3	mg/L	268
Aluminum	ug/L	229
Antimony	ug/L	<1
Arsenic	ug/L	<2
Barium	ug/L	17.2
Benzene	ug/L	<.5
Beryllium	ug/L	<1
Bromochloromethane	ug/L	<5
Bromodichloromethane	ug/L	<1
Bromoform	ug/L	<5
Bromomethane	ug/L	<4
Cadmium	ug/L	.519
Carbon Disulfide	ug/L	<1
Carbon Tetrachloride	ug/L	<2
Chlorobenzene	ug/L	<1
Chlorodibromomethane	ug/L	<5
Chloroethane	ug/L	<4
Chloroform	ug/L	<1
Chloromethane	ug/L	<3
Chromium	ug/L	<5
cis-1,2-Dichloroethene	ug/L	<1
cis-1,3-Dichloropropene	ug/L	<5
Cobalt	ug/L	3.61
Copper	ug/L	6.93
Dibromomethane	ug/L	<1
Ethylbenzene	ug/L	<1
Iodomethane	ug/L	<10
Iron	ug/L	1690
Lead	ug/L	1.43
Methylene Chloride	ug/L	<5
Nickel	ug/L	34
pH	SU	6.56
Selenium	ug/L	<5
Silver	ug/L	<1
Styrene	ug/L	<1
Sulfate	mg/L	3020
Tetrachloroethene	ug/L	<1
Thallium	ug/L	<1
Total Suspended Solids	mg/L	221
trans-1,2-Dichloroethene	ug/L	<1
trans-1,3-Dichloropropene	ug/L	<5
trans-1,4-Dichloro-2-butene	ug/L	<10
Trichloroethene	ug/L	<1
Trichlorofluoromethane	ug/L	<4
Vanadium	ug/L	<5
Vinyl Acetate	ug/L	<10
Vinyl Chloride	ug/L	<1
Xylenes, Total	ug/L	<3
Zinc	ug/L	162

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

Table 9

Analytical Data Summary for MW-310

Constituents	Units	9/20/2012	3/27/2013	9/26/2013	4/16/2014	9/25/2014	3/11/2015	9/1/2015	3/22/2016
1,1,1,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00
1,1-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
1,1-Dichloroethene	ug/L	<2.00	<2.00	<2.00	<2.00	<.15	<2.00	<2.00	<2.00
1,1-Dichloropropene	ug/L	<1		<1					
1,2,3-Trichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene	ug/L	<10.0		<11.2					
1,2,4-Trichlorobenzene	ug/L	<5		<5					
1,2-Dibromo-3-chloropropane	ug/L	<10.00	<10.00	<10.00	<10.00	<.12	<10.00	<10.00	<10.00
1,2-Dibromoethane	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00	<10.00
1,2-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.14	<1.00	<1.00	<1.00
1,2-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00
1,2-Dichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.87	<1.00	<1.00	<1.00
1,3,5-Trinitrobenzene	ug/L	<10.0		<11.2					
1,3-Dichlorobenzene	ug/L	<1		<1					
1,3-Dichloropropane	ug/L	<1		<1					
1,3-Dinitrobenzene	ug/L	<10.0		<11.2					
1,4-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.20	<1.00	<1.00	<1.00
1,4-Naphthoquinone	ug/L	<10.0		<11.2					
1-Naphthylamine	ug/L	<10.0		<11.2					
2,2'-oxybis[1-Chloropropane]	ug/L	<10.0		<11.2					
2,2-Dichloropropane	ug/L	<4		<4					
2,3,4,6-Tetrachlorophenol	ug/L	<10.0		<11.2					
2,4,5-T	ug/L	<1.00		<1.08					
2,4,5-TP [Silvex]	ug/L	<1.00		<1.08					
2,4,5-Trichlorophenol	ug/L	<10.0		<11.2					
2,4,6-Trichlorophenol	ug/L	<10.0		<11.2					
2,4-D	ug/L	<1.00		<1.08					
2,4-Dichlorophenol	ug/L	<10.0		<11.2					
2,4-Dimethylphenol	ug/L	<10.0		<11.2					
2,4-Dinitrophenol	ug/L	<20.0		<22.5					
2,4-Dinitrotoluene	ug/L	<10.0		<11.2					
2,6-Dichlorophenol	ug/L	<10.0		<11.2					
2,6-Dinitrotoluene	ug/L	<10.0		<11.2					
2-Acetylaminofluorene	ug/L	<10.0		<11.2					
2-Butanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.47	<10.00	<10.00	<10.00
2-Chloronaphthalene	ug/L	<10.0		<11.2					
2-Chlorophenol	ug/L	<10.0		<11.2					
2-Hexanone	ug/L	<10.0	<10.0	<10.0	<10.0	<.2	<10.0	<10.0	<10.0
2-Methylnaphthalene	ug/L	<10.0		<11.2					
2-Methylphenol [o-Cresol]	ug/L	<10.0		<11.2					
2-Naphthylamine	ug/L	<10.0		<11.2					
2-Nitroaniline	ug/L	<10.0		<11.2					
2-Nitrophenol	ug/L	<10.0		<11.2					
3,3-Dichlorobenzidine	ug/L	<10.0		<56.2					
3,3-Dimethylbenzidine	ug/L	<10.0		<11.2					
3-Methylcholanthrene	ug/L	<10.0		<11.2					
3-Nitroaniline	ug/L	<10.0		<11.2					
4,4'-DDD	ug/L	<.0320		<.0356					
4,4'-DDE	ug/L	<.0320		<.0356					
4,4'-DDT	ug/L	<.0320		<.0356					
4,6-Dinitro-2-methylphenol	ug/L	<10.0		<11.2					
4-Aminobiphenyl	ug/L	<10.0		<11.2					
4-Bromophenyl phenyl ether	ug/L	<10.0		<11.2					
4-Chloro-3-methylphenol	ug/L	<10.0		<11.2					
4-Chloroaniline	ug/L	<10.0		<11.2					
4-Chlorophenyl phenyl ether	ug/L	<10.0		<11.2					
4-Methyl-2-pentanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.22	<10.00	<10.00	<10.00
4-Nitroaniline	ug/L	<10.0		<11.2					
4-Nitrophenol	ug/L	<10.0		<11.2					
5-Nitro-o-toluidine	ug/L	<10.0		<11.2					
7,12-Dimethylbenz[a]anthracene	ug/L	<10.0		<11.2					
Acenaphthene	ug/L	<10.0		<11.2					
Acetone	ug/L	<10.00	<10.00	<10.00	<10.00	<1.79	<10.00	<10.00	<10.00
Acetonitrile	ug/L	<10000		841					
Acetophenone	ug/L	<10.0		<11.2					
Acrolein	ug/L	<10		<10					
Acrylonitrile	ug/L	<10.00	<10.00	<10.00	<10.00	<.53	<10.00	<10.00	<10.00
Aldrin	ug/L	<.0320		<.0356					
Alkalinity as CaCO3	mg/L					341	443	547	494
Allyl Chloride	ug/L	<20		<2					
alpha-BHC	ug/L	<.0320		<.0356					
Aluminum	ug/L					1200.0	157.0	196.0	187.0
Anthracene	ug/L	<10.0		<11.2					
Antimony	ug/L	<6.000	<6.000	<6.000	<6.000	<.161	<1.000	<1.000	<.237

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

Table 9

Analytical Data Summary for MW-310

Constituents	10/20/2016	3/8/2017	9/27/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	11/7/2019
1,1,1,2-Tetrachloroethane	<.21	<.21	<.21	<.21	<.38	<.38	<.38	
1,1,1-Trichloroethane	<.12	<.12	<.12	<.12	<.19	<.19	<.19	
1,1,2,2-Tetrachloroethane	<.10	<.10	<.10	<.10	<.47	<.47	<.47	
1,1,2-Trichloroethane	<.12	<.12	<.12	<.12	<.45	<.45	<.45	
1,1-Dichloroethane	<.21	<.21	<.21	<.21	<.22	<.22	<.22	
1,1-Dichloroethene	<.15	<.15	<.15	<.15	<.56	<.56	<.56	
1,1-Dichloropropene								
1,2,3-Trichloropropane	<.19	<.19	<.19	<.19	<.59	<.59	<.59	
1,2,4,5-Tetrachlorobenzene								
1,2,4-Trichlorobenzene								
1,2-Dibromo-3-chloropropane	<.50	<.50	<.50	<.50	<1.20	<1.20	<1.20	
1,2-Dibromoethane	<.13	<.13	<.13	<.13	<.34	<.34	<.34	
1,2-Dichlorobenzene	<.14	<.14	<.14	<.14	<.37	<.37	<.37	
1,2-Dichloroethane	<.18	<.18	<.18	<.18	<.39	<.39	<.39	
1,2-Dichloropropane	<.87	<.87	<.87	<.87	<.27	<.27	<.27	
1,3,5-Trinitrobenzene								
1,3-Dichlorobenzene								
1,3-Dichloropropane								
1,3-Dinitrobenzene								
1,4-Dichlorobenzene	<.20	<.20	<.20	<.20	<.23	<.23	<.23	
1,4-Naphthoquinone								
1-Naphthylamine								
2,2'-oxybis[1-Chloropropane]								
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	<1.04	<1.04	<1.04	<1.04	<2.10	<2.10	<2.10	
2-Chloronaphthalene								
2-Chlorophenol								
2-Hexanone	<.2	<.2	<.2	<.2	<2.0	<2.0	<2.0	
2-Methylnaphthalene								
2-Methylphenol [o-Cresol]								
2-Naphthylamine								
2-Nitroaniline								
2-Nitrophenol								
3,3-Dichlorobenzidine								
3,3-Dimethylbenzidine								
3-Methylcholanthrene								
3-Nitroaniline								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
4,6-Dinitro-2-methylphenol								
4-Aminobiphenyl								
4-Bromophenyl phenyl ether								
4-Chloro-3-methylphenol								
4-Chloroaniline								
4-Chlorophenyl phenyl ether								
4-Methyl-2-pentanone	<.22	<.22	<.22	<.22	<2.10	<2.10	<2.10	
4-Nitroaniline								
4-Nitrophenol								
5-Nitro-o-toluidine								
7,12-Dimethylbenz[a]anthracene								
Acenaphthene								
Acetone	<1.79	2.61	3.78	1.96	<3.10	<3.10	<3.10	
Acetonitrile								
Acetophenone								
Acrolein								
Acrylonitrile	<.53	<.53	<.53	<.53	<2.20	<2.20	<2.20	
Aldrin								
Alkalinity as CaCO3	448	355	345	381	644	474	386	
Allyl Chloride								
alpha-BHC								
Aluminum	178.0	336.0	425.0	585.0	33.9	110.0	582.0	
Anthracene								
Antimony	<.237	<.185	<.185	<1.850	<1.320	<.530	<1.060	<.530

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

Table 9

Analytical Data Summary for MW-310

Constituents	Units	9/20/2012	3/27/2013	9/26/2013	4/16/2014	9/25/2014	3/11/2015	9/1/2015	3/22/2016
Arsenic	ug/L	<1.00	<1.00	1.49	<1.00	1.02	<6.00	<2.00	2.02
Barium	ug/L	14.10	14.80	8.27	8.45	21.80	17.80	16.80	14.30
Benzene	ug/L	<.50	<.50	<.50	<.50	<.11	<.50	<.50	<.50
Benzo[a]anthracene	ug/L	<10.0		<11.2					
Benzo[a]pyrene	ug/L	<10.0		<11.2					
Benzo[b]fluoranthene	ug/L	<10.0		<11.2					
Benzo[ghi]perylene	ug/L	<10.0		<11.2					
Benzo[k]fluoranthene	ug/L	<10.0		<11.2					
Benzyl alcohol	ug/L	<10.0		<11.2					
Beryllium	ug/L	1.400	.439	.570	.366	.618	<3.000	<1.000	.337
beta-BHC	ug/L	<.0320		<.0356					
Bis(2-chloroethoxy)methane	ug/L	<10.0		<11.2					
Bis(2-chloroethyl)ether	ug/L	<10.0		<11.2					
Bis(2-ethylhexyl)phthalate	ug/L	<10.0		<11.2					
Bromochloromethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.12	<5.00	<5.00	<5.00
Bromodichloromethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00
Bromoform	ug/L	<5.00	<5.00	<5.00	<5.00	<.14	<5.00	<5.00	<5.00
Bromomethane	ug/L	<20.00	<4.00	<4.00	<4.00	<.22	<4.00	<4.00	<4.00
Butylbenzylphthalate	ug/L	<10.0		<11.2					
Cadmium	ug/L	5.150	.638	.540	2.650	8.160	1.630	2.570	1.010
Carbon Disulfide	ug/L	<1.00	<1.00	<1.00	<1.00	<.15	<1.00	<1.00	<1.00
Carbon Tetrachloride	ug/L	<2.00	<2.00	<2.00	<2.00	<.24	<2.00	<2.00	<2.00
Chlordane	ug/L	<2.00		<2.22					
Chlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00
Chlorobenzilate	ug/L	<10.0		<11.2					
Chlorodibromomethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.20	<5.00	<5.00	<5.00
Chloroethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.15	<4.00	<4.00	<4.00
Chloroform	ug/L	<1.00	<1.00	<1.00	<1.00	<.28	<1.00	<1.00	<1.00
Chloromethane	ug/L	<3.00	<3.00	<3.00	<3.00	<.31	<3.00	<3.00	<3.00
Chloroprene	ug/L	<1		<1					
Chromium	ug/L	25.100	<20.000	2.250	<40.000	<1.240	<15.000	<5.000	<.355
Chrysene	ug/L	<10.0		<11.2					
cis-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.13	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.15	<5.00	<5.00	<5.00
Cobalt	ug/L	190.0	94.6	86.6	146.0	109.0	147.0	70.9	214.0
Copper	ug/L	<20.00	<20.00	<20.00	<40.00	5.06	<6.00	<2.00	<1.22
Cyanide	mg/L	<.01		<.01					
delta-BHC	ug/L	<.0320		<.0356					
Diallate	ug/L	<10.0		<11.2					
Dibenzo(a,h)anthracene	ug/L	<10.0		<11.2					
Dibenzofuran	ug/L	<10.0		<11.2					
Dibromomethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00
Dichlorodifluoromethane	ug/L	<3		<3					
Dieldrin	ug/L	<.0320		<.0356					
Diethyl phthalate	ug/L	<10.0		<11.2					
Dimethoate	ug/L	<10.0		<11.2					
Dimethyl phthalate	ug/L	<10.0		<11.2					
Di-n-butylphthalate	ug/L	<10.0		<11.2					
Di-n-octylphthalate	ug/L	<10.0		<22.5					
Dinoseb	ug/L	<10.0		<11.2					
Diphenylamine	ug/L	<10.0		<11.2					
Disulfoton	ug/L	<10.0		<11.2					
Endosulfan I	ug/L	<.0320		<.0356					
Endosulfan II	ug/L	<.0320		<.0356					
Endosulfan Sulfate	ug/L	<.0320		<.0356					
Endrin	ug/L	<.0320		<.0356					
Endrin Aldehyde	ug/L	<.0320		<.0356					
Ethyl Methacrylate	ug/L	<2		<2					
Ethyl Methanesulfonate	ug/L	<10.0		<11.2					
Ethylbenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
Famphur	ug/L	<20.0		<22.5					
Fluoranthene	ug/L	<10.0		<11.2					
Fluorene	ug/L	<10.0		<11.2					
gamma-BHC (Lindane)	ug/L	<.0320		<.0356					
Heptachlor	ug/L	<.0320		<.0356					
Heptachlor Epoxide	ug/L	<.0320		<.0356					
Hexachlorobenzene	ug/L	<10.0		<11.2					
Hexachlorobutadiene	ug/L	<10.0		<11.2					
Hexachlorocyclopentadiene	ug/L	<10.0		<22.5					
Hexachloroethane	ug/L	<10.0		<11.2					
Hexachloropropene	ug/L	<10.0		<11.2					
Indeno[1,2,3-cd]pyrene	ug/L	<10.0		<11.2					
Iodomethane	ug/L	<10.0	<10.0	<10.0	<10.0	<.8	<10.0	<10.0	<10.0
Iron	ug/L					2720	15800	14400	19500
Isobutanol	ug/L	<10000		<10000					
Isodrin	ug/L	<10.0		<11.2					
Isophorone	ug/L	<10.0		<11.2					

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

Table 9

Analytical Data Summary for MW-310

Constituents	10/20/2016	3/8/2017	9/27/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	11/7/2019
Arsenic	1.24	<2.53	<2.53	<5.05	2.93	1.68	<1.50	2.36
Barium	13.40	14.20	14.90	18.60	13.30	14.70	16.00	14.70
Benzene	<.11	<.11	<.11	<.11	<.22	<.22	<.22	
Benzo[a]anthracene								
Benzo[a]pyrene								
Benzo[b]fluoranthene								
Benzo[ghi]perylene								
Benzo[k]fluoranthene								
Benzyl alcohol								
Beryllium	.652	.710	.745	<1.250	<.530	.391	1.090	.586
beta-BHC								
Bis(2-chloroethoxy)methane								
Bis(2-chloroethyl)ether								
Bis(2-ethylhexyl)phthalate								
Bromochloromethane	<.12	<.12	<.12	<.12	<.54	<.54	<.54	
Bromodichloromethane	<.12	<.12	<.12	<.12	<.39	<.39	<.39	
Bromoform	<.14	<.14	<.14	<.14	<.78	<.78	<.78	
Bromomethane	<.22	<.22	<.22	<.22	<1.10	<1.10	<1.10	
Butylbenzylphthalate								
Cadmium	.478	.681	.748	.940	.282	.299	1.850	1.340
Carbon Disulfide	<.15	<.15	<.15	<.15	<.45	<.45	<.45	
Carbon Tetrachloride	<.24	<.24	<.24	<.24	<.65	<.65	<.65	
Chlordane								
Chlorobenzene	<.19	<.19	<.19	<.19	<.40	<.40	<.40	
Chlorobenzilate								
Chlorodibromomethane	<.20	<.20	<.20	<.20	<.75	<.75	<.75	
Chloroethane	<.15	<.15	<.15	<.15	<.79	<.79	<.79	
Chloroform	<.28	<.28	<.28	<.28	<1.30	<1.30	<1.30	
Chloromethane	<.31	<.31	<.31	<.31	<.61	<.61	<.61	
Chloroprene								
Chromium	<.355	<3.650	<.729	<7.290	<1.140	<.980	<1.960	<.980
Chrysene								
cis-1,2-Dichloroethene	<.13	<.13	<.13	<.13	<.21	<.21	<.21	
cis-1,3-Dichloropropene	<.15	<.15	<.15	<.15	<.25	<.25	<.25	
Cobalt	210.0	160.0	142.0	169.0	39.1	168.0	338.0	235.0
Copper	<1.22	<11.00	<2.19	<21.90	1.16	<2.00	<4.00	<2.00
Cyanide								
delta-BHC								
Diallate								
Dibenzo(a,h)anthracene								
Dibenzofuran								
Dibromomethane	<.18	<.18	<.18	<.18	<.33	<.33	<.33	
Dichlorodifluoromethane								
Dieldrin								
Diethyl phthalate								
Dimethoate								
Dimethyl phthalate								
Di-n-butylphthalate								
Di-n-octylphthalate								
Dinoseb								
Diphenylamine								
Disulfoton								
Endosulfan I								
Endosulfan II								
Endosulfan Sulfate								
Endrin								
Endrin Aldehyde								
Ethyl Methacrylate								
Ethyl Methanesulfonate								
Ethylbenzene	<.21	<.21	<.21	<.21	<.31	<.31	<.31	
Famphur								
Fluoranthene								
Fluorene								
gamma-BHC (Lindane)								
Heptachlor								
Heptachlor Epoxide								
Hexachlorobenzene								
Hexachlorobutadiene								
Hexachlorocyclopentadiene								
Hexachloroethane								
Hexachloropropene								
Indeno[1,2,3-cd]pyrene								
Iodomethane	<.8	<.8	<.8	<.8	<7.0	<7.0	<7.0	
Iron	22100	20100	20700	34500	13700	19800	24200	
Isobutanol								
Isodrin								
Isophorone								

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

Table 9

Analytical Data Summary for MW-310

Constituents	Units	9/20/2012	3/27/2013	9/26/2013	4/16/2014	9/25/2014	3/11/2015	9/1/2015	3/22/2016
Isosafrole	ug/L	<10.0		<11.2					
Kepone	ug/L	<10.0		<11.2					
Lead	ug/L	<4.000	<4.000	<4.000	<4.000	4.760	.117	<.500	<.211
Mercury	ug/L	<.267		<.200					
Methacrylonitrile	ug/L	<1		<1					
Methapyrilene	ug/L	<10.0		<11.2					
Methoxychlor	ug/L	<.0320		<.0356					
Methyl Methacrylate	ug/L	<2		<2					
Methyl Methanesulfonate	ug/L	<10.0		<11.2					
Methyl Parathion	ug/L	<10.0		<11.2					
Methylene Chloride	ug/L	<5.000	<5.000	<5.000	<5.000	.756	<5.000	<5.000	<5.000
Naphthalene	ug/L	<5		<5					
Nickel	ug/L	400.0	205.0	196.0	294.0	183.0	247.0	140.0	429.0
Nitrobenzene	ug/L	<10.0		<11.2					
N-Nitrosodiethylamine	ug/L	<10.0		<11.2					
N-Nitrosodimethylamine	ug/L	<10.0		<11.2					
N-Nitrosodi-n-butylamine	ug/L	<10.0		<11.2					
N-Nitrosodi-n-propylamine	ug/L	<10.0		<11.2					
N-Nitrosodiphenylamine	ug/L	<10.0		<11.2					
N-Nitrosomethylethylamine	ug/L	<10.0		<11.2					
N-Nitrosopiperidine	ug/L	<10.0		<11.2					
N-Nitrosopyrrolidine	ug/L	<10.0		<11.2					
o,o,o-Triethylphosphorothioate	ug/L	<10.0		<11.2					
o-Toluidine	ug/L	<10.0		<11.2					
p-[Dimethylamino]azobenzene	ug/L	<10.0		<11.2					
Parathion	ug/L	<10.0		<11.2					
PCB-1016	ug/L	<.800		<.879					
PCB-1221	ug/L	<.800		<.879					
PCB-1232	ug/L	<.800		<.879					
PCB-1242	ug/L	<.800		<.879					
PCB-1248	ug/L	<.800		<.879					
PCB-1254	ug/L	<.800		<.879					
PCB-1260	ug/L	<.800		<.879					
Pentachlorobenzene	ug/L	<10.0		<11.2					
Pentachloronitrobenzene	ug/L	<10.0		<11.2					
Pentachlorophenol	ug/L	<10.0		<11.2					
pH	SU					5.99	6.13	6.48	6.33
Phenacetin	ug/L	<10.0		<11.2					
Phenanthrene	ug/L	<10.0		<11.2					
Phenol	ug/L	<10.0		<11.2					
Phorate	ug/L	<10.0		<11.2					
p-Phenylenediamine	ug/L	<10.0		<11.2					
Pronamide	ug/L	<10.0		<11.2					
Propionitrile	ug/L	<10		<10					
Pyrene	ug/L	<10.0		<11.2					
Safrole	ug/L	<10.0		<11.2					
Selenium	ug/L	<5.000	<5.000	<5.000	<5.000	<3.340	<15.000	<5.000	.692
Silver	ug/L	<20.000	<20.000	<20.000	<40.000	<.042	<1.000	<1.000	<.153
Styrene	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00
Sulfate	mg/L					2990	3410	2570	3570
Sulfide	mg/L	<1		<1					
Tetrachloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00
Thallium	ug/L	<2.0000	<2.0000	<2.0000	<2.0000	.0810	.0480	<1.0000	.0360
Thionazin	ug/L	<10.0		<11.2					
Tin	ug/L	432	<100	450	<200				
Toluene	ug/L								
Total Suspended Solids	mg/L					114.00	5.67	7.67	6.50
Toxaphene	ug/L	<2.00		<2.22					
trans-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.22	<5.00	<5.00	<5.00
trans-1,4-Dichloro-2-butene	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00	<10.00
Trichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00
Trichlorofluoromethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.17	<4.00	<4.00	<4.00
Vanadium	ug/L	<50.000	<50.000	<50.000	<100.000	<.449	<5.000	<5.000	<.255
Vinyl Acetate	ug/L	<2.00	<2.00	<2.00	<2.00	<.74	<10.00	<10.00	<10.00
Vinyl Chloride	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00
Xylenes, Total	ug/L	<3.000	<3.000	<3.000	<3.000	<.130	<3.000	<3.000	<3.000
Zinc	ug/L	384.0	211.0	344.0	142.0	168.0	194.0	94.8	231.0

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

Table 9

Analytical Data Summary for MW-310

Constituents	10/20/2016	3/8/2017	9/27/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	11/7/2019
Isosafrole								
Kepone								
Lead	<.211	<.324	<.324	<3.240	<.186	<.270	<.270	<.270
Mercury								
Methacrylonitrile								
Methapyrilene								
Methoxychlor								
Methyl Methacrylate								
Methyl Methanesulfonate								
Methyl Parathion								
Methylene Chloride	.186	<.170	<.170	<.170	<1.700	<1.700	<1.700	
Naphthalene								
Nickel	254.0	228.0	226.0	224.0	75.3	300.0	722.0	349.0
Nitrobenzene								
N-Nitrosodiethylamine								
N-Nitrosodimethylamine								
N-Nitrosodi-n-butylamine								
N-Nitrosodi-n-propylamine								
N-Nitrosodiphenylamine								
N-Nitrosomethylethylamine								
N-Nitrosopiperidine								
N-Nitrosopyrrolidine								
o,o,o-Triethylphosphorothioate								
o-Toluidine								
p-[Dimethylamino]azobenzene								
Parathion								
PCB-1016								
PCB-1221								
PCB-1232								
PCB-1242								
PCB-1248								
PCB-1254								
PCB-1260								
Pentachlorobenzene								
Pentachloronitrobenzene								
Pentachlorophenol								
pH	6.22	6.20	6.04	6.22	6.65	6.58	6.19	
Phenacetin								
Phenanthrene								
Phenol								
Phorate								
p-Phenylenediamine								
Pronamide								
Propionitrile								
Pyrene								
Safrole								
Selenium	<.630	2.480	2.720	<9.280	<.982	<1.000	3.370	1.850
Silver	<.153	<.140	<.700	<1.400	<.115	<.370	<.370	<.370
Styrene	<.10	<.10	<.10	<.10	<.37	<.37	<.37	
Sulfate	3370	3120	2980	2980	2920	3480	3600	
Sulfide								
Tetrachloroethene	<.18	<.18	<.18	<.18	<.48	<.48	<.48	
Thallium	.0390	<.0644	<.0644	<.6440	<.5700	<.2700	<.2700	<.2700
Thionazin								
Tin								
Toluene					<.43	<.43	<.43	
Total Suspended Solids	8.20	3.25	2.38	6.25	11.80	7.00	5.25	3.87
Toxaphene								
trans-1,2-Dichloroethene	<.21	<.21	<.21	<.21	<.27	<.27	<.27	
trans-1,3-Dichloropropene	<.22	<.22	<.22	<.22	<.56	<.56	<.56	
trans-1,4-Dichloro-2-butene	<.13	<.13	<.13	<.13	<1.10	<1.10	<1.10	
Trichloroethene	<.19	<.19	<.19	<.19	<.43	<.43	<.43	
Trichlorofluoromethane	<.17	<.17	<.17	<.17	<.38	<.38	<.38	
Vanadium	<.255	<.840	<.840	<8.400	<2.150	<.820	<1.640	<.820
Vinyl Acetate	<.74	<.74	<.74	<.74	<2.50	<2.50	<2.50	
Vinyl Chloride	<.10	<.10	<.10	<.10	<.60	<.60	<.18	
Xylenes, Total	.351	1.090	.363	<.130	<.400	<.400	<.400	
Zinc	297.0	223.0	165.0	199.0	31.6	192.0	524.0	287.0

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

Table 9

Analytical Data Summary for MW-311

Constituents	Units	9/20/2012	12/12/2012	3/28/2013	6/20/2013	9/25/2013	4/16/2014	9/1/2015
1,1,1,2-Tetrachloroethane	ug/L							<1
1,1,1-Trichloroethane	ug/L							<1
1,1,2,2-Tetrachloroethane	ug/L							<1
1,1,2-Trichloroethane	ug/L							<1
1,1-Dichloroethane	ug/L							<1
1,1-Dichloroethene	ug/L							<2
1,2,3-Trichloropropane	ug/L							<1
1,2-Dibromo-3-chloropropane	ug/L							<10
1,2-Dibromoethane	ug/L							<10
1,2-Dichlorobenzene	ug/L							<1
1,2-Dichloroethane	ug/L							<1
1,2-Dichloropropane	ug/L							<1
1,4-Dichlorobenzene	ug/L							<1
2-Butanone	ug/L							<10
2-Hexanone	ug/L							<10
4-Methyl-2-pentanone	ug/L							<10
Acetone	ug/L							<10
Acrylonitrile	ug/L							<10
Alkalinity as CaCO3	mg/L							<5
Aluminum	ug/L							90
Antimony	ug/L	<6	<6	<6	<6	<6	<6	<1
Arsenic	ug/L	9.27	33.20	<2.00	<5.00	6.59	3.71	3.01
Barium	ug/L	15.30	13.00	10.90	6.35	8.88	<20.00	14.90
Benzene	ug/L							<5
Beryllium	ug/L	<1.00	<1.00	<1.00	<1.00	.27	<1.00	<1.00
Bromochloromethane	ug/L							<5
Bromodichloromethane	ug/L							<1
Bromoform	ug/L							<5
Bromomethane	ug/L							<4
Cadmium	ug/L	<.500	<.500	.233	.244	<.500	.127	<.500
Carbon Disulfide	ug/L							<1
Carbon Tetrachloride	ug/L							<2
Chlorobenzene	ug/L							<1
Chlorodibromomethane	ug/L							<5
Chloroethane	ug/L							<4
Chloroform	ug/L							<1
Chloromethane	ug/L							<3
Chromium	ug/L	<20.00	<20.00	<20.00	<20.00	2.87	<40.00	<5.00
cis-1,2-Dichloroethene	ug/L							<1
cis-1,3-Dichloropropene	ug/L							<5
Cobalt	ug/L	247	262	260	237	258	266	309
Copper	ug/L	<20	<20	<20	<20	<20	<40	<2
Dibromomethane	ug/L							<1
Ethylbenzene	ug/L							<1
Iodomethane	ug/L							<10
Iron	ug/L							179000
Lead	ug/L	<4.000	<4.000	<4.000	4.350	2.370	<4.000	.597
Mercury	ug/L	<.267	<.200	<.200	<.200	<.200	<.200	
Methylene Chloride	ug/L							<5
Nickel	ug/L	210	241	238	235	258	258	270
pH	SU							5.78
Selenium	ug/L	<5	<5	<5	<5	<5	<5	<5
Silver	ug/L	<20	<20	<20	<20	<20	<40	<1
Styrene	ug/L							<1
Sulfate	mg/L							3120
Sulfide	mg/L				<1	<1	<1	
Tetrachloroethene	ug/L							<1
Thallium	ug/L	<2	<2	<2	<2	<2	<2	<1
Tin	ug/L	292	<100	<100	<100	419	<200	
Total Suspended Solids	mg/L							7.67
trans-1,2-Dichloroethene	ug/L							<1
trans-1,3-Dichloropropene	ug/L							<5
trans-1,4-Dichloro-2-butene	ug/L							<10
Trichloroethene	ug/L							<1
Trichlorofluoromethane	ug/L							<4
Vanadium	ug/L	<50	<50	<50	<50	<50	<100	<5
Vinyl Acetate	ug/L							<10
Vinyl Chloride	ug/L							<1
Xylenes, Total	ug/L							<3
Zinc	ug/L	188	315	328	311	438	186	278

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

Table 9

Analytical Data Summary for MW-312

Constituents	Units	9/20/2012	12/12/2012	3/28/2013	6/19/2013	9/26/2013	4/16/2014	9/1/2015	3/22/2016
1,1,1,2-Tetrachloroethane	ug/L							<1.00	<1.00
1,1,1-Trichloroethane	ug/L							<1.00	<1.00
1,1,2,2-Tetrachloroethane	ug/L							<1.00	<1.00
1,1,2-Trichloroethane	ug/L							<1.00	<1.00
1,1-Dichloroethane	ug/L							<1.00	<1.00
1,1-Dichloroethene	ug/L							<2.00	<2.00
1,2,3-Trichloropropane	ug/L							<1.00	<1.00
1,2-Dibromo-3-chloropropane	ug/L							<10.0	<10.0
1,2-Dibromoethane	ug/L							<10.00	<10.00
1,2-Dichlorobenzene	ug/L							<1.00	<1.00
1,2-Dichloroethane	ug/L							<1.00	<1.00
1,2-Dichloropropane	ug/L							<1.00	<1.00
1,4-Dichlorobenzene	ug/L							<1.00	<1.00
2-Butanone	ug/L							<10.00	<10.00
2-Hexanone	ug/L							<10.0	<10.0
4-Methyl-2-pentanone	ug/L							<10.00	<10.00
Acetone	ug/L							<10.00	<10.00
Acrylonitrile	ug/L							<10.00	<10.00
Alkalinity as CaCO3	mg/L							310	538
Aluminum	ug/L							152.0	<20.8
Antimony	ug/L	<6.000	<6.000	<6.000	<6.000	<6.000	<6.000	<1.000	<237
Arsenic	ug/L	<1.000	<2.000	<1.000	<3.000	2.320	<1.000	<2.000	<672
Barium	ug/L	16.60	18.50	12.30	16.70	8.47	10.70	15.40	24.90
Benzene	ug/L							<.50	<.50
Beryllium	ug/L	<1.000	<1.000	<1.000	<1.000	.280	<1.000	<1.000	<.221
Bromochloromethane	ug/L							<5.00	<5.00
Bromodichloromethane	ug/L							<1.00	<1.00
Bromoform	ug/L							<5.00	<5.00
Bromomethane	ug/L							<4.000	<4.000
Cadmium	ug/L	<.5000	<.5000	<.5000	.2460	<.5000	<.5000	<.5000	.0670
Carbon Disulfide	ug/L							<1.00	<1.00
Carbon Tetrachloride	ug/L							<2.00	<2.00
Chlorobenzene	ug/L							<1.00	<1.00
Chlorodibromomethane	ug/L							<5.00	<5.00
Chloroethane	ug/L							<4.00	<4.00
Chloroform	ug/L							<1.00	<1.00
Chloromethane	ug/L							<3.00	<3.00
Chromium	ug/L	<20.000	<20.000	<20.000	<20.000	3.900	<20.000	<5.000	<.355
cis-1,2-Dichloroethene	ug/L							<1.00	<1.00
cis-1,3-Dichloropropene	ug/L							<5.00	<5.00
Cobalt	ug/L	36.2	34.3	54.5	43.7	44.9	20.8	32.4	37.1
Copper	ug/L	<20.00	<20.00	2.19	<20.00	<20.00	<20.00	<2.00	<1.22
Dibromomethane	ug/L							<1.00	<1.00
Dichlorodifluoromethane	ug/L								
Ethylbenzene	ug/L							<1.00	<1.00
Iodomethane	ug/L							<10.0	<10.0
Iron	ug/L							46400	3180
Lead	ug/L	<4.000	<4.000	<4.000	1.670	<4.000	<4.000	<.500	<.211
Mercury	ug/L	<.267	<.200	<.200	<.200	<.200	<.200		
Methylene Chloride	ug/L							<5.000	<5.000
Nickel	ug/L	89.5	82.0	121.0	119.0	117.0	101.0	108.0	45.0
pH	SU							6.39	6.36
Selenium	ug/L	<5.000	<5.000	<5.000	<5.000	<5.000	<5.000	<5.000	<.630
Silver	ug/L	<20.000	<20.000	<20.000	<20.000	<20.000	<20.000	<1.000	<.153
Styrene	ug/L							<1.00	<1.00
Sulfate	mg/L							2260	530
Sulfide	mg/L				<1.000	<1.000	<1.000		
Tetrachloroethene	ug/L							<1.00	<1.00
Thallium	ug/L	<2.0000	<2.0000	<2.0000	<2.0000	<2.0000	<2.0000	<1.0000	.0650
Tin	ug/L	<100.000	<100.000	<100.000	<100.000	572.000	<100.000		
Toluene	ug/L								
Total Suspended Solids	mg/L							32.00	5.00
trans-1,2-Dichloroethene	ug/L							<1.00	<1.00
trans-1,3-Dichloropropene	ug/L							<5.00	<5.00
trans-1,4-Dichloro-2-butene	ug/L							<10.00	<10.00
Trichloroethene	ug/L							<1.00	<1.00
Trichlorofluoromethane	ug/L							<4.00	<4.00
Vanadium	ug/L	<50.000	<50.000	<50.000	<50.000	<50.000	<50.000	<5.000	<.255
Vinyl Acetate	ug/L							<10.00	<10.00
Vinyl Chloride	ug/L							<1.00	<1.00
Xylenes, Total	ug/L							<3.000	<3.000
Zinc	ug/L	<20.0	85.0	84.9	70.1	209.0	<60.0	<10.0	6.8

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

Table 9

Analytical Data Summary for MW-312

Constituents	10/21/2016	3/8/2017	9/25/2017	3/13/2018	10/1/2018	3/27/2019	9/23/2019	3/9/2020	9/15/2020
1,1,1,2-Tetrachloroethane	<.21	<.21	<.21	<.21	<.38	<.38	<.38	<.38	<.38
1,1,1-Trichloroethane	<.12	<.12	<.12	<.12	<.19	<.19	<.19	<.19	<.19
1,1,2,2-Tetrachloroethane	<.10	<.10	<.10	<.10	<.47	<.47	<.47	<.47	<.47
1,1,2-Trichloroethane	<.12	<.12	<.12	<.12	<.45	<.45	<.45	<.45	<.45
1,1-Dichloroethane	<.21	<.21	<.21	<.21	<.22	<.22	<.22	<.22	<.22
1,1-Dichloroethene	<.15	<.15	<.15	<.15	<.56	<.56	<.56	<.56	<.56
1,2,3-Trichloropropane	<.19	<.19	<.19	<.19	<.59	<.59	<.59	<.59	<.59
1,2-Dibromo-3-chloropropane	<.5	<.5	<.5	<.5	<.12	<.12	<.12	<.12	<.12
1,2-Dibromoethane	<.13	<.13	<.13	<.13	<.34	<.34	<.34	<.34	<.34
1,2-Dichlorobenzene	<.14	<.14	<.14	<.14	<.37	<.37	<.37	<.37	<.37
1,2-Dichloroethane	<.18	<.18	<.18	<.18	<.39	<.39	<.39	<.39	<.39
1,2-Dichloropropane	<.87	<.87	<.87	<.87	<.27	<.27	<.27	<.27	<.27
1,4-Dichlorobenzene	<.20	<.20	<.20	<.20	<.23	<.23	<.23	<.23	<.23
2-Butanone	<1.04	<1.04	<1.04	<1.04	<2.10	<2.10	<2.10	<2.10	<2.10
2-Hexanone	<.2	<.2	<.2	<.2	<.0	<.0	<.0	<.0	<.0
4-Methyl-2-pentanone	<.22	<.22	<.22	<.22	<2.10	<2.10	<2.10	<2.10	<2.10
Acetone	<1.79	2.39	<1.79	<1.79	<3.10	<3.10	<3.10	<3.10	<3.10
Acrylonitrile	<.53	<.53	<.53	<.53	<2.20	<2.20	<2.20	<2.20	<2.20
Alkalinity as CaCO3	371	376	366	362	371	350	297	342	367
Aluminum	85.9	64.1	47.6	<165.0	27.0	44.5	35.4	<30.0	92.6
Antimony	<.237	<.185	<.185	<.740	<1.320	<.530	<.530	<.580	<.510
Arsenic	1.430	1.020	1.230	<2.020	1.840	1.130	1.220	<.880	2.150
Barium	13.80	14.10	16.50	12.80	13.40	14.60	11.10	14.90	13.60
Benzene	<.11	<.11	<.11	<.11	<.22	<.22	<.22	<.22	<.22
Beryllium	<.221	.143	.198	<.500	<.530	<.270	.318	<.270	<.270
Bromochloromethane	<.12	<.12	<.12	<.12	<.54	<.54	<.54	<.54	<.54
Bromodichloromethane	<.12	<.12	<.12	<.12	<.39	<.39	<.39	<.39	<.39
Bromoform	<.14	<.14	<.14	<.14	<.78	<.78	<.78	<.78	<.78
Bromomethane	<.220	<.220	.233	<.220	<1.100	<1.100	<1.100	<1.100	<1.100
Cadmium	<.0351	<.0441	<.0441	<.1760	<.1670	<.0770	<.0390	.0680	<.0490
Carbon Disulfide	<.15	<.15	<.15	<.15	<.45	<.45	<.45	<.45	<.45
Carbon Tetrachloride	<.24	<.24	<.24	<.24	<.65	<.65	<.65	<.65	<.65
Chlorobenzene	<.19	<.19	<.19	<.19	<.40	<.40	<.40	<.40	<.40
Chlorodibromomethane	<.20	<.20	<.20	<.20	<.75	<.75	<.75	<.75	<.75
Chloroethane	<.15	<.15	<.15	<.15	<.79	<.79	<.79	<.79	<.79
Chloroform	<.28	<.28	<.28	<.28	<1.30	<1.30	<1.30	<1.30	<1.30
Chloromethane	<.31	<.31	<.31	<.31	<.61	<.61	<.61	<.61	<.61
Chromium	<.355	<.729	<.729	<2.920	1.260	<.980	<.980	<1.100	<1.100
cis-1,2-Dichloroethene	<.13	<.13	<.13	<.13	<.21	<.21	<.21	<.21	<.21
cis-1,3-Dichloropropene	<.15	<.15	<.15	<.15	<.25	<.25	<.25	<.25	<.25
Cobalt	36.4	35.0	30.3	24.1	29.8	32.7	34.9	34.7	41.4
Copper	<1.22	<2.19	<2.19	<8.76	1.18	<2.00	<2.00	<3.20	<1.50
Dibromomethane	<.18	<.18	<.18	<.18	<.33	<.33	<.33	<.33	<.33
Dichlorodifluoromethane	<.20	<.20	<.20	<.20	<.25	<.25	<.25	<.25	<.25
Ethylbenzene	<.21	<.21	<.21	<.21	<.31	<.31	<.31	<.31	<.31
Iodomethane	<.8	<.8	<.8	<.8	<.70	<.70	<.70	<.70	<.70
Iron	32000	40300	33000	39000	34400	38100	47400	24800	39300
Lead	<.211	<.324	<.324	<1.300	<.186	<.270	.274	<.270	.177
Mercury									
Methylene Chloride	.295	<.170	<.170	.334	<1.700	<1.700	<1.700	<1.700	<1.700
Nickel	94.4	100.0	80.1	88.8	91.6	101.0	120.0	85.8	119.0
pH	6.23	6.36	6.40	6.37	6.56	6.28	6.28	6.34	6.25
Selenium	<.630	<.928	<.928	<3.710	<.982	<1.000	<1.000	<1.000	<1.000
Silver	<.153	<.140	<.140	<.560	<.115	<.370	<.370	<.370	<.370
Styrene	<.10	<.10	<.10	<.10	<.37	<.37	<.37	<.37	<.37
Sulfate	2210	2450	2160	2350	2240	2080	2260	1650	2240
Sulfide	<.180	<.180	1.530	<.231	<.231	<.231	<.231	<.231	10.000
Tetrachloroethene	<.18	<.18	<.18	<.18	<.48	<.48	<.48	<.48	<.48
Thallium	<.0255	<.0644	<.0644	<.2580	<.5700	<.2700	<.2700	<.2600	<.2600
Tin	<.832	<1.620	<1.620	<6.480	<1.300	<1.800	<1.800		
Toluene					<.43	<.43	<.43	<.43	<.43
Total Suspended Solids	13.50	11.50	8.12	11.50	7.62	6.12	37.00	3.87	34.80
trans-1,2-Dichloroethene	<.21	<.21	<.21	<.21	<.27	<.27	<.27	<.27	<.27
trans-1,3-Dichloropropene	<.22	<.22	<.22	<.22	<.56	<.56	<.56	<.56	<.56
trans-1,4-Dichloro-2-butene	<.13	<.13	<.13	<.13	<1.10	<1.10	<1.10	<1.10	<1.10
Trichloroethene	<.19	<.19	<.19	<.19	<.43	<.43	<.43	<.43	<.43
Trichlorofluoromethane	<.17	<.17	<.17	<.17	<.38	<.38	<.38	<.38	<.38
Vanadium	<.255	<.840	<.840	<3.360	<2.150	<.820	<.820	<.820	<.850
Vinyl Acetate	<.74	<.74	<.74	<.74	<2.50	<2.50	<2.50	<2.50	<2.50
Vinyl Chloride	<.10	<.10	<.10	<.10	<.60	<.60	<.18	<.18	<.18
Xylenes, Total	<.130	.654	<.130	<.130	<.400	<.400	<.400	<.400	<.400
Zinc	12.3	17.6	<11.5	<46.0	10.0	<10.0	<10.0	<10.0	12.9

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

Table 9

Analytical Data Summary for MW-312

Constituents	4/15/2021	10/27/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025
1,1,1,2-Tetrachloroethane	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<.19	<.19	<.19	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<.47	<.47	<.47	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	<.59	<.59	<.59	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dibromo-3-chloropropane	<1.2	<1.2	<1.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	<.34	<.34	<.34	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,4-Dichlorobenzene	<.23	<.23	<.23	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
2-Butanone	<2.10	<2.10	<2.10	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
2-Hexanone	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Methyl-2-pentanone	<2.10	<2.10	<2.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Acetone	<3.10	<3.10	<3.10	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Acrylonitrile	<2.20	<2.20	<2.20	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Alkalinity as CaCO3	327	481	353	325	328	312	298	354	334
Aluminum	28.4	27.1	286.0	193.0	92.0	53.0	<50.0	58.0	95.0
Antimony	<1.100	<1.100	<2.760	<2.000	<2.000	<2.000	<2.000	<2.000	<1.000
Arsenic	1.280	1.290	<3.000	<4.000	<4.000	<4.000	<4.000	<4.000	<2.000
Barium	12.50	11.90	14.60	23.90	25.30	22.90	24.30	24.90	25.60
Benzene	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Beryllium	.312	.275	<1.080	<4.000	<4.000	<4.000	<4.000	<4.000	<.500
Bromochloromethane	<.54	<.54	<.54	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromoform	<.78	<.78	<.78	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromomethane	<1.100	<1.100	<1.100	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000
Cadmium	<.0510	<.0510	<.2200	<.8000	<.8000	<.8000	<.8000	<.8000	<.2000
Carbon Disulfide	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Carbon Tetrachloride	<.65	<.65	<.65	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlorobenzene	<.40	<.40	<.40	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlorodibromomethane	<.75	<.75	<.75	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroethane	<.79	<.79	<.79	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	<1.30	<1.30	<1.30	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloromethane	<.61	<.61	<.61	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chromium	<1.100	<1.100	<4.400	<8.000	<8.000	<8.000	<8.000	<8.000	<1.000
cis-1,2-Dichloroethene	<.21	<.21	<.21	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	<.25	<.25	<.25	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Cobalt	52.3	38.6	47.4	34.0	44.8	42.9	44.2	38.9	36.7
Copper	<1.40	<1.40	7.99	<4.00	<4.00	<4.00	<4.00	<4.00	<5.00
Dibromomethane	<.33	<.33	<.33	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Dichlorodifluoromethane									
Ethylbenzene	<.31	<.31	<.31	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Iodomethane	<7.0	<7.0	<7.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	50200	50300	46100	4070	5270	800	2480	815	7040
Lead	<.210	1.410	<.960	<4.000	<4.000	<4.000	<4.000	<4.000	<1.000
Mercury									
Methylene Chloride	<1.700	<1.700	<1.700	<5.000	<5.000	<5.000	<5.000	<5.000	<5.000
Nickel	150.0	128.0	141.0	64.5	64.8	72.1	58.4	57.6	53.0
pH	6.30	6.34	6.39	6.20	6.20	6.10	6.10	6.10	6.10
Selenium	<.960	<.960	<3.840	<4.000	<4.000	<4.000	<4.000	<4.000	<2.000
Silver	<.420	<.420	<1.960	<4.000	<4.000	<4.000	<4.000	<4.000	<5.000
Styrene	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Sulfate	2480	2320	2310	907	373	422	614	445	361
Sulfide	14.700	<.231	<.231	<.100					
Tetrachloroethene	<.48	<.48	<.48	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Thallium	<.2600	<.2600	<1.0400	<2.0000	<2.0000	<2.0000	<2.0000	<2.0000	<.5000
Tin									
Toluene	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Total Suspended Solids	12.50	29.10	140.00						
trans-1,2-Dichloroethene	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	<1.10	<1.10	<1.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Trichloroethene	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vanadium	<1.100	<1.100	<4.400	<20.000	<20.000	<20.000	<20.000	<20.000	<2.000
Vinyl Acetate	<2.50	<2.50	<2.50	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Vinyl Chloride	<.18	<.18	<.18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Xylenes, Total	<4.00	1.050	<.400	<2.000	<2.000	<2.000	<2.000	<2.000	<2.000
Zinc	<10.0	<10.0	<40.0	<20.0	<20.0	<20.0	<20.0	<20.0	8.9

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

Table 9

Analytical Data Summary for MW-312

Constituents	9/15/2025
1,1,1,2-Tetrachloroethane	<1.00
1,1,1-Trichloroethane	<1.00
1,1,2,2-Tetrachloroethane	<1.00
1,1,2-Trichloroethane	<1.00
1,1-Dichloroethane	<1.00
1,1-Dichloroethene	<1.00
1,2,3-Trichloropropane	<1.00
1,2-Dibromo-3-chloropropane	<5.0
1,2-Dibromoethane	<1.00
1,2-Dichlorobenzene	<1.00
1,2-Dichloroethane	<1.00
1,2-Dichloropropane	<1.00
1,4-Dichlorobenzene	<1.00
2-Butanone	<10.00
2-Hexanone	<5.0
4-Methyl-2-pentanone	<5.00
Acetone	<10.00
Acrylonitrile	<5.00
Alkalinity as CaCO3	335
Aluminum	<50.0
Antimony	<1.000
Arsenic	<2.000
Barium	23.30
Benzene	<1.00
Beryllium	<.500
Bromochloromethane	<1.00
Bromodichloromethane	<1.00
Bromoform	<1.00
Bromomethane	<1.000
Cadmium	.2000
Carbon Disulfide	<1.00
Carbon Tetrachloride	<1.00
Chlorobenzene	<1.00
Chlorodibromomethane	<1.00
Chloroethane	<1.00
Chloroform	<1.00
Chloromethane	<1.00
Chromium	<1.000
cis-1,2-Dichloroethene	<1.00
cis-1,3-Dichloropropene	<1.00
Cobalt	40.5
Copper	<5.00
Dibromomethane	<1.00
Dichlorodifluoromethane	
Ethylbenzene	<1.00
Iodomethane	<1.0
Iron	8050
Lead	<1.000
Mercury	
Methylene Chloride	<5.000
Nickel	64.5
pH	6.10
Selenium	<2.000
Silver	<5.000
Styrene	<1.00
Sulfate	409
Sulfide	
Tetrachloroethene	<1.00
Thallium	<.5000
Tin	
Toluene	<1.00
Total Suspended Solids	
trans-1,2-Dichloroethene	<1.00
trans-1,3-Dichloropropene	<1.00
trans-1,4-Dichloro-2-butene	<5.00
Trichloroethene	<1.00
Trichlorofluoromethane	<1.00
Vanadium	<2.000
Vinyl Acetate	<5.00
Vinyl Chloride	<1.00
Xylenes, Total	<2.000
Zinc	17.2

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

Table 9

Analytical Data Summary for MW-313

Constituents	Units	9/18/2012	3/28/2013	9/25/2013	4/16/2014	9/26/2014	3/11/2015	9/2/2015	3/22/2016
1,1,1,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00
1,1-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
1,1-Dichloroethene	ug/L	<2.00	<2.00	<2.00	<2.00	<.15	<2.00	<2.00	<2.00
1,1-Dichloropropene	ug/L	<1		<1					
1,2,3-Trichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene	ug/L	<10.0		<10.3					
1,2,4-Trichlorobenzene	ug/L	<5		<5					
1,2-Dibromo-3-chloropropane	ug/L	<10.00	<10.00	<10.00	<10.00	<.12	<10.00	<10.00	<10.00
1,2-Dibromoethane	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00	<10.00
1,2-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.14	<1.00	<1.00	<1.00
1,2-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00
1,2-Dichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.87	<1.00	<1.00	<1.00
1,3,5-Trinitrobenzene	ug/L	<10.0		<10.3					
1,3-Dichlorobenzene	ug/L	<1		<1					
1,3-Dichloropropane	ug/L	<1		<1					
1,3-Dinitrobenzene	ug/L	<10.0		<10.3					
1,4-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.20	<1.00	<1.00	<1.00
1,4-Naphthoquinone	ug/L	<10.0		<10.3					
1-Naphthylamine	ug/L	<10.0		<10.3					
2,2'-oxybis[1-Chloropropane]	ug/L	<10.0		<10.3					
2,2-Dichloropropane	ug/L	<4		<4					
2,3,4,6-Tetrachlorophenol	ug/L	<10.0		<10.3					
2,4,5-T	ug/L	<1.00		<1.09					
2,4,5-TP [Silvex]	ug/L	<1.00		<1.09					
2,4,5-Trichlorophenol	ug/L	<10.0		<10.3					
2,4,6-Trichlorophenol	ug/L	<10.0		<10.3					
2,4-D	ug/L	<1.00		<1.09					
2,4-Dichlorophenol	ug/L	<10.0		<10.3					
2,4-Dimethylphenol	ug/L	<10.0		<10.3					
2,4-Dinitrophenol	ug/L	<20.0		<20.6					
2,4-Dinitrotoluene	ug/L	<10.0		<10.3					
2,6-Dichlorophenol	ug/L	<10.0		<10.3					
2,6-Dinitrotoluene	ug/L	<10.0		<10.3					
2-Acetylaminofluorene	ug/L	<10.0		<10.3					
2-Butanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.47	<10.00	<10.00	<10.00
2-Chloronaphthalene	ug/L	<10.0		<10.3					
2-Chlorophenol	ug/L	<10.0		<10.3					
2-Hexanone	ug/L	<10.0	<10.0	<10.0	<10.0	<.2	<10.0	<10.0	<10.0
2-Methylnaphthalene	ug/L	<10.0		<10.3					
2-Methylphenol [o-Cresol]	ug/L	<10.0		<10.3					
2-Naphthylamine	ug/L	<10.0		<10.3					
2-Nitroaniline	ug/L	<10.0		<10.3					
2-Nitrophenol	ug/L	<10.0		<10.3					
3,3-Dichlorobenzidine	ug/L	<10.0		<51.5					
3,3-Dimethylbenzidine	ug/L	<10.0		<10.3					
3-Methylcholanthrene	ug/L	<10.0		<10.3					
3-Nitroaniline	ug/L	<10.0		<10.3					
4,4'-DDD	ug/L	<.03200		.00214					
4,4'-DDE	ug/L	<.0320		.0032					
4,4'-DDT	ug/L	<.0320		<.0333					
4,6-Dinitro-2-methylphenol	ug/L	<10.0		<10.3					
4-Aminobiphenyl	ug/L	<10.0		<10.3					
4-Bromophenyl phenyl ether	ug/L	<10.0		<10.3					
4-Chloro-3-methylphenol	ug/L	<10.0		<10.3					
4-Chloroaniline	ug/L	<10.0		<10.3					
4-Chlorophenyl phenyl ether	ug/L	<10.0		<10.3					
4-Methyl-2-pentanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.22	<10.00	<10.00	<10.00
4-Nitroaniline	ug/L	<10.0		<10.3					
4-Nitrophenol	ug/L	<10.0		<10.3					
5-Nitro-o-toluidine	ug/L	<10.0		<10.3					
7,12-Dimethylbenz[a]anthracene	ug/L	<10.0		<10.3					
Acenaphthene	ug/L	<10.0		<10.3					
Acetone	ug/L	<10.00	<10.00	<10.00	<10.00	1.88	<10.00	<10.00	<10.00
Acetonitrile	ug/L	<10000		<10000					
Acetophenone	ug/L	<10.0		<10.3					
Acrolein	ug/L	<10		<10					
Acrylonitrile	ug/L	<10.00	<10.00	<10.00	<10.00	<.53	<10.00	<10.00	<10.00
Aldrin	ug/L	<.0320		<.0333					
Alkalinity as CaCO3	mg/L					330	724	583	582
Allyl Chloride	ug/L	<20		<2					
alpha-BHC	ug/L	<.03200		.00451					
Aluminum	ug/L					172.0	<50.0	<50.0	50.3
Anthracene	ug/L	<10.0		<10.3					
Antimony	ug/L	<12.000	<6.000	8.010	<6.000	.223	<1.000	<1.000	.329

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

Table 9

Analytical Data Summary for MW-313

Constituents	10/21/2016	3/8/2017	9/25/2017	3/13/2018	10/1/2018	3/27/2019	9/23/2019	3/10/2020	9/16/2020
1,1,1,2-Tetrachloroethane	<.21	<.21	<.21	<.21	<.38	<.38	<.38	<.38	<.38
1,1,1-Trichloroethane	<.12	<.12	<.12	<.12	<.19	<.19	<.19	<.19	<.19
1,1,2,2-Tetrachloroethane	<.10	<.10	<.10	<.10	<.47	<.47	<.47	<.47	<.47
1,1,2-Trichloroethane	<.12	<.12	<.12	<.12	<.45	<.45	<.45	<.45	<.45
1,1-Dichloroethane	<.21	<.21	<.21	<.21	<.22	<.22	<.22	<.22	<.22
1,1-Dichloroethene	<.15	<.15	<.15	<.15	<.56	<.56	<.56	<.56	<.56
1,1-Dichloropropene									
1,2,3-Trichloropropane	<.19	<.19	<.19	<.19	<.59	<.59	<.59	<.59	<.59
1,2,4,5-Tetrachlorobenzene									
1,2,4-Trichlorobenzene									
1,2-Dibromo-3-chloropropane	<.50	<.50	<.50	<.50	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dibromoethane	<.13	<.13	<.13	<.13	<.34	<.34	<.34	<.34	<.34
1,2-Dichlorobenzene	<.14	<.14	<.14	<.14	<.37	<.37	<.37	<.37	<.37
1,2-Dichloroethane	<.18	<.18	<.18	<.18	<.39	<.39	<.39	<.39	<.39
1,2-Dichloropropane	<.87	<.87	<.87	<.87	<.27	<.27	<.27	<.27	<.27
1,3,5-Trinitrobenzene									
1,3-Dichlorobenzene									
1,3-Dichloropropane									
1,3-Dinitrobenzene									
1,4-Dichlorobenzene	<.20	<.20	<.20	<.20	<.23	<.23	<.23	<.23	<.23
1,4-Naphthoquinone									
1-Naphthylamine									
2,2'-oxybis[1-Chloropropane]									
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	<1.04	<1.04	<1.04	<1.04	<2.10	<2.10	<2.10	<2.10	<2.10
2-Chloronaphthalene									
2-Chlorophenol									
2-Hexanone	<.2	<.2	<.2	<.2	<2.0	<2.0	<2.0	<2.0	<2.0
2-Methylnaphthalene									
2-Methylphenol [o-Cresol]									
2-Naphthylamine									
2-Nitroaniline									
2-Nitrophenol									
3,3-Dichlorobenzidine									
3,3-Dimethylbenzidine									
3-Methylcholanthrene									
3-Nitroaniline									
4,4'-DDD									
4,4'-DDE									
4,4'-DDT									
4,6-Dinitro-2-methylphenol									
4-Aminobiphenyl									
4-Bromophenyl phenyl ether									
4-Chloro-3-methylphenol									
4-Chloroaniline									
4-Chlorophenyl phenyl ether									
4-Methyl-2-pentanone	<.22	<.22	<.22	<.22	<2.10	<2.10	<2.10	<2.10	<2.10
4-Nitroaniline									
4-Nitrophenol									
5-Nitro-o-toluidine									
7,12-Dimethylbenz[a]anthracene									
Acenaphthene									
Acetone	<1.79	1.87	2.76	<1.79	<3.10	3.82	<3.10	<3.10	<3.10
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<.53	<.53	<.53	<.53	<2.20	<2.20	<2.20	<2.20	<2.20
Aldrin									
Alkalinity as CaCO3	551	556	484	443	448	520	545	475	551
Allyl Chloride									
alpha-BHC									
Aluminum	<20.8	<41.3	<41.3	<41.3	65.7	<27.0	<27.0	<30.0	13.0
Anthracene									
Antimony	<.237	.189	<.185	.309	<1.320	<.530	<.530	<.580	<.510

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

Table 9

Analytical Data Summary for MW-313

Constituents	4/15/2021	10/26/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025
1,1,1,2-Tetrachloroethane	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<.19	<.19	<.19	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<.47	<.47	<.47	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloropropene									
1,2,3-Trichloropropane	<.59	<.59	<.59	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene									
1,2,4-Trichlorobenzene									
1,2-Dibromo-3-chloropropane	<1.20	<1.20	<1.20	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
1,2-Dibromoethane	<.34	<.34	<.34	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,3,5-Trinitrobenzene									
1,3-Dichlorobenzene									
1,3-Dichloropropane									
1,3-Dinitrobenzene									
1,4-Dichlorobenzene	<.23	<.23	<.23	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,4-Naphthoquinone									
1-Naphthylamine									
2,2'-oxybis[1-Chloropropane]									
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	<2.10	<2.10	<2.10	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
2-Chloronaphthalene									
2-Chlorophenol									
2-Hexanone	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Methylnaphthalene									
2-Methylphenol [o-Cresol]									
2-Naphthylamine									
2-Nitroaniline									
2-Nitrophenol									
3,3-Dichlorobenzidine									
3,3-Dimethylbenzidine									
3-Methylcholanthrene									
3-Nitroaniline									
4,4'-DDD									
4,4'-DDE									
4,4'-DDT									
4,6-Dinitro-2-methylphenol									
4-Aminobiphenyl									
4-Bromophenyl phenyl ether									
4-Chloro-3-methylphenol									
4-Chloroaniline									
4-Chlorophenyl phenyl ether									
4-Methyl-2-pentanone	<2.10	<2.10	<2.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
4-Nitroaniline									
4-Nitrophenol									
5-Nitro-o-toluidine									
7,12-Dimethylbenz[a]anthracene									
Acenaphthene									
Acetone	<3.10	<3.10	<3.10	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<2.20	<2.20	<2.20	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Aldrin									
Alkalinity as CaCO3	465	587	539	484	472	478	488	584	404
Allyl Chloride									
alpha-BHC									
Aluminum	94.9	65.1	76.7	<100.0	<50.0	115.0	128.0	86.0	149.0
Anthracene									
Antimony	<1.100	<1.100	<2.760	<2.000	<2.000	<2.000	<2.000	<2.000	<1.000

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

Table 9

Analytical Data Summary for MW-313

Constituents	9/15/2025
1,1,1,2-Tetrachloroethane	<1.00
1,1,1-Trichloroethane	<1.00
1,1,2,2-Tetrachloroethane	<1.00
1,1,2-Trichloroethane	<1.00
1,1-Dichloroethane	<1.00
1,1-Dichloroethene	<1.00
1,1-Dichloropropene	
1,2,3-Trichloropropane	<1.00
1,2,4,5-Tetrachlorobenzene	
1,2,4-Trichlorobenzene	
1,2-Dibromo-3-chloropropane	<5.00
1,2-Dibromoethane	<1.00
1,2-Dichlorobenzene	<1.00
1,2-Dichloroethane	<1.00
1,2-Dichloropropane	<1.00
1,3,5-Trinitrobenzene	
1,3-Dichlorobenzene	
1,3-Dichloropropane	
1,3-Dinitrobenzene	
1,4-Dichlorobenzene	<1.00
1,4-Naphthoquinone	
1-Naphthylamine	
2,2'-oxybis[1-Chloropropane]	
2,2-Dichloropropane	
2,3,4,6-Tetrachlorophenol	
2,4,5-T	
2,4,5-TP [Silvex]	
2,4,5-Trichlorophenol	
2,4,6-Trichlorophenol	
2,4-D	
2,4-Dichlorophenol	
2,4-Dimethylphenol	
2,4-Dinitrophenol	
2,4-Dinitrotoluene	
2,6-Dichlorophenol	
2,6-Dinitrotoluene	
2-Acetylaminofluorene	
2-Butanone	<10.00
2-Chloronaphthalene	
2-Chlorophenol	
2-Hexanone	<5.0
2-Methylnaphthalene	
2-Methylphenol [o-Cresol]	
2-Naphthylamine	
2-Nitroaniline	
2-Nitrophenol	
3,3-Dichlorobenzidine	
3,3-Dimethylbenzidine	
3-Methylcholanthrene	
3-Nitroaniline	
4,4'-DDD	
4,4'-DDE	
4,4'-DDT	
4,6-Dinitro-2-methylphenol	
4-Aminobiphenyl	
4-Bromophenyl phenyl ether	
4-Chloro-3-methylphenol	
4-Chloroaniline	
4-Chlorophenyl phenyl ether	
4-Methyl-2-pentanone	<5.00
4-Nitroaniline	
4-Nitrophenol	
5-Nitro-o-toluidine	
7,12-Dimethylbenz[a]anthracene	
Acenaphthene	
Acetone	<10.00
Acetonitrile	
Acetophenone	
Acrolein	
Acrylonitrile	<5.00
Aldrin	
Alkalinity as CaCO3	480
Allyl Chloride	
alpha-BHC	
Aluminum	<50.0
Anthracene	
Antimony	<1.000

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

Table 9

Analytical Data Summary for MW-313

Constituents	Units	9/18/2012	3/28/2013	9/25/2013	4/16/2014	9/26/2014	3/11/2015	9/2/2015	3/22/2016
Arsenic	ug/L	4.57	3.60	<1.00	10.90	25.70	1.49	<2.00	13.50
Barium	ug/L	40.1	51.7	15.6	30.4	61.3	26.0	16.2	28.1
Benzene	ug/L	<.50	<.50	<.50	<.50	<.11	<.50	<.50	<.50
Benzo[a]anthracene	ug/L	<10.0		<10.3					
Benzo[a]pyrene	ug/L	<10.0		<10.3					
Benzo[b]fluoranthene	ug/L	<10.0		<10.3					
Benzo[ghi]perylene	ug/L	<10.0		<10.3					
Benzo[k]fluoranthene	ug/L	<10.0		<10.3					
Benzyl alcohol	ug/L	<10.0		<10.3					
Beryllium	ug/L	<1.000	<1.000	<1.000	<1.000	.199	<1.000	<1.000	<.221
beta-BHC	ug/L	<.03200		.00598					
Bis(2-chloroethoxy)methane	ug/L	<10.0		<10.3					
Bis(2-chloroethyl)ether	ug/L	<10.0		<10.3					
Bis(2-ethylhexyl)phthalate	ug/L	<10.0		<10.3					
Bromochloromethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.12	<5.00	<5.00	<5.00
Bromodichloromethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00
Bromoform	ug/L	<5.00	<5.00	<5.00	<5.00	<.14	<5.00	<5.00	<5.00
Bromomethane	ug/L	<20.000	<4.000	<4.000	<4.000	<.220	<4.000	<4.000	<4.000
Butylbenzylphthalate	ug/L	<10.0		<10.3					
Cadmium	ug/L	<.5000	<.5000	<.5000	<.5000	.1320	<.5000	<.5000	.0860
Carbon Disulfide	ug/L	<1.00	<1.00	<1.00	<1.00	<.15	<1.00	<1.00	<1.00
Carbon Tetrachloride	ug/L	<2.00	<2.00	<2.00	<2.00	<.24	<2.00	<2.00	<2.00
Chlordane	ug/L	<2.00		<2.08					
Chlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00
Chlorobenzilate	ug/L	<10.0		<10.3					
Chlorodibromomethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.20	<5.00	<5.00	<5.00
Chloroethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.15	<4.00	<4.00	<4.00
Chloroform	ug/L	<1.00	<1.00	<1.00	<1.00	<.28	<1.00	<1.00	<1.00
Chloromethane	ug/L	<3.000	<3.000	<3.000	<3.000	<.310	<3.000	<3.000	<3.000
Chloroprene	ug/L	<1		<1					
Chromium	ug/L	<20.000	<20.000	2.980	<20.000	<1.240	<5.000	<5.000	.655
Chrysene	ug/L	<10.0		<10.3					
cis-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.13	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.15	<5.00	<5.00	<5.00
Cobalt	ug/L	4.640	3.020	<7.000	<7.000	9.690	7.370	2.150	17.400
Copper	ug/L	<20.00	<20.00	<20.00	<20.00	2.99	<2.00	<2.00	1.68
Cyanide	mg/L	<.01		<.01					
delta-BHC	ug/L	<.03200		.00444					
Diallate	ug/L	<10.0		<10.3					
Dibenzo(a,h)anthracene	ug/L	<10.0		<10.3					
Dibenzofuran	ug/L	<10.0		<10.3					
Dibromomethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00
Dichlorodifluoromethane	ug/L	<3		<3					
Dieldrin	ug/L	<.0320		<.0333					
Diethyl phthalate	ug/L	<10.0		<10.3					
Dimethoate	ug/L	<10.0		<10.3					
Dimethyl phthalate	ug/L	<10.0		<10.3					
Di-n-butylphthalate	ug/L	<10.0		<10.3					
Di-n-octylphthalate	ug/L	<10.0		<20.6					
Dinoseb	ug/L	<10.0		<10.3					
Diphenylamine	ug/L	<10.0		<10.3					
Disulfoton	ug/L	<10.0		<10.3					
Endosulfan I	ug/L	<.0320		<.0333					
Endosulfan II	ug/L	<.0320		<.0333					
Endosulfan Sulfate	ug/L	<.0320		<.0333					
Endrin	ug/L	<.0320		<.0333					
Endrin Aldehyde	ug/L	<.0320		<.0333					
Ethyl Methacrylate	ug/L	<2		<2					
Ethyl Methanesulfonate	ug/L	<10.0		<10.3					
Ethylbenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
Famphur	ug/L	<20.0		<20.6					
Fluoranthene	ug/L	<10.0		<10.3					
Fluorene	ug/L	<10.0		<10.3					
gamma-BHC (Lindane)	ug/L	<.0320		<.0333					
Heptachlor	ug/L	<.0320		<.0333					
Heptachlor Epoxide	ug/L	<.0320		<.0333					
Hexachlorobenzene	ug/L	<10.0		<10.3					
Hexachlorobutadiene	ug/L	<10.0		<10.3					
Hexachlorocyclopentadiene	ug/L	<10.0		<20.6					
Hexachloroethane	ug/L	<10.0		<10.3					
Hexachloropropene	ug/L	<10.0		<10.3					
Indeno[1,2,3-cd]pyrene	ug/L	<10.0		<10.3					
Iodomethane	ug/L	<10.00	<10.00	<10.00	<10.00	<.80	<10.00	<10.00	<10.00
Iron	ug/L					47600	1310	589	17900
Isobutanol	ug/L	<10000		<10000					
Isodrin	ug/L	<10.0		<10.3					
Isophorone	ug/L	<10.0		<10.3					

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

Table 9

Analytical Data Summary for MW-313

Constituents	10/21/2016	3/8/2017	9/25/2017	3/13/2018	10/1/2018	3/27/2019	9/23/2019	3/10/2020	9/16/2020
Arsenic	1.54	6.87	7.49	1.26	2.19	3.17	3.04	4.79	2.64
Barium	16.4	24.7	20.7	15.7	15.3	23.5	24.4	17.3	22.0
Benzene	<.11	<.11	<.11	<.11	<.22	<.22	<.22	<.22	<.22
Benzo[a]anthracene									
Benzo[a]pyrene									
Benzo[b]fluoranthene									
Benzo[ghi]perylene									
Benzo[k]fluoranthene									
Benzyl alcohol									
Beryllium	<.221	<.125	<.125	<.125	<.530	<.270	<.270	<.270	<.270
beta-BHC									
Bis(2-chloroethoxy)methane									
Bis(2-chloroethyl)ether									
Bis(2-ethylhexyl)phthalate									
Bromochloromethane	<.12	<.12	<.12	<.12	<.54	<.54	<.54	<.54	<.54
Bromodichloromethane	<.12	<.12	<.12	<.12	<.39	<.39	<.39	<.39	<.39
Bromoform	<.14	<.14	<.14	<.14	<.78	<.78	<.78	<.78	<.78
Bromomethane	2.660	<.220	.344	<.220	<1.100	<1.100	<1.100	<1.100	<1.100
Butylbenzylphthalate									
Cadmium	<.0351	.0510	.0560	<.0441	<.1670	.1190	.1640	.0500	<.0490
Carbon Disulfide	<.15	<.15	<.15	<.15	<.45	<.45	<.45	<.45	<.45
Carbon Tetrachloride	<.24	<.24	<.24	<.24	<.65	<.65	<.65	<.65	<.65
Chlordane									
Chlorobenzene	<.19	<.19	<.19	<.19	<.40	<.40	<.40	<.40	<.40
Chlorobenzilate									
Chlorodibromomethane	<.20	<.20	<.20	<.20	<.75	<.75	<.75	<.75	<.75
Chloroethane	<.15	<.15	<.15	<.15	<.79	<.79	<.79	<.79	<.79
Chloroform	<.28	<.28	<.28	<.28	<1.30	<1.30	<1.30	<1.30	<1.30
Chloromethane	.701	<.310	<.310	<.310	<.610	<.610	<.610	<.610	<.610
Chloroprene									
Chromium	<.355	<.729	<.729	<.729	1.380	<.980	<.980	<1.100	<1.100
Chrysene									
cis-1,2-Dichloroethene	<.13	<.13	<.13	<.13	<.21	<.21	<.21	<.21	<.21
cis-1,3-Dichloropropene	<.15	<.15	<.15	<.15	<.25	<.25	<.25	<.25	<.25
Cobalt	.968	.501	.175	.107	.403	32.700	39.600	40.300	43.600
Copper	<1.22	<2.19	<2.19	<2.19	1.53	<2.00	<2.00	<3.20	<1.50
Cyanide									
delta-BHC									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromomethane	<.18	<.18	<.18	<.18	<.33	<.33	<.33	<.33	<.33
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethyl phthalate									
Di-n-butylphthalate									
Di-n-octylphthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan I									
Endosulfan II									
Endosulfan Sulfate									
Endrin									
Endrin Aldehyde									
Ethyl Methacrylate									
Ethyl Methanesulfonate									
Ethylbenzene	<.21	<.21	<.21	<.21	<.31	<.31	<.31	<.31	<.31
Famphur									
Fluoranthene									
Fluorene									
gamma-BHC (Lindane)									
Heptachlor									
Heptachlor Epoxide									
Hexachlorobenzene									
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno[1,2,3-cd]pyrene									
Iodomethane	1.41	<.80	<.80	<.80	<7.00	<7.00	<7.00	<7.00	<7.00
Iron	1310	9270	9510	979	1640	3380	3720	7970	3840
Isobutanol									
Isodrin									
Isophorone									

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

Table 9

Analytical Data Summary for MW-313

Constituents	4/15/2021	10/26/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025
Arsenic	8.83	3.08	9.44	6.00	4.90	12.20	29.00	4.60	4.60
Barium	21.3	22.5	27.7	15.3	22.6	26.8	42.0	29.8	21.8
Benzene	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Benzo[a]anthracene									
Benzo[a]pyrene									
Benzo[b]fluoranthene									
Benzo[ghi]perylene									
Benzo[k]fluoranthene									
Benzyl alcohol									
Beryllium	<.270	<.270	<1.080	<4.000	<4.000	<4.000	<4.000	<4.000	<.500
beta-BHC									
Bis(2-chloroethoxy)methane									
Bis(2-chloroethyl)ether									
Bis(2-ethylhexyl)phthalate									
Bromochloromethane	<.54	<.54	<.54	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromoform	<.78	<.78	<.78	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromomethane	<1.100	1.280	<1.100	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000
Butylbenzylphthalate									
Cadmium	<.0510	<.0510	.4640	<.8000	<.8000	<.8000	<.8000	<.8000	.2000
Carbon Disulfide	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Carbon Tetrachloride	<.65	<.65	<.65	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlordane									
Chlorobenzene	<.40	<.40	<.40	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlorobenzilate									
Chlorodibromomethane	<.75	<.75	<.75	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroethane	<.79	<.79	<.79	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	<1.30	<1.30	<1.30	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloromethane	<.610	<.610	<.610	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000
Chloroprene									
Chromium	<1.100	<1.100	<4.400	<8.000	<8.000	<8.000	<8.000	<8.000	1.300
Chrysene									
cis-1,2-Dichloroethene	<.21	<.21	<.21	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	<.25	<.25	<.25	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Cobalt	42.900	2.990	13.900	2.800	1.400	.800	.900	.700	<.500
Copper	<1.40	<1.40	<7.20	<4.00	<4.00	<4.00	<4.00	<4.00	<5.00
Cyanide									
delta-BHC									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromomethane	<.33	<.33	<.33	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethyl phthalate									
Di-n-butylphthalate									
Di-n-octylphthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan I									
Endosulfan II									
Endosulfan Sulfate									
Endrin									
Endrin Aldehyde									
Ethyl Methacrylate									
Ethyl Methanesulfonate									
Ethylbenzene	<.31	<.31	<.31	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Famphur									
Fluoranthene									
Fluorene									
gamma-BHC (Lindane)									
Heptachlor									
Heptachlor Epoxide									
Hexachlorobenzene									
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno[1,2,3-cd]pyrene									
Iodomethane	<7.00	<7.00	<7.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Iron	12400	6230	12800	7300	4630	39400	47200	9620	9220
Isobutanol									
Isodrin									
Isophorone									

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Table 9

Analytical Data Summary for MW-313

Constituents	9/15/2025
Arsenic	10.90
Barium	42.5
Benzene	<1.00
Benzo[a]anthracene	
Benzo[a]pyrene	
Benzo[b]fluoranthene	
Benzo[ghi]perylene	
Benzo[k]fluoranthene	
Benzyl alcohol	
Beryllium	<.500
beta-BHC	
Bis(2-chloroethoxy)methane	
Bis(2-chloroethyl)ether	
Bis(2-ethylhexyl)phthalate	
Bromochloromethane	<1.00
Bromodichloromethane	<1.00
Bromoform	<1.00
Bromomethane	<1.000
Butylbenzylphthalate	
Cadmium	.5000
Carbon Disulfide	<1.00
Carbon Tetrachloride	<1.00
Chlordane	
Chlorobenzene	<1.00
Chlorobenzilate	
Chlorodibromomethane	<1.00
Chloroethane	<1.00
Chloroform	<1.00
Chloromethane	<1.000
Chloroprene	
Chromium	1.100
Chrysene	
cis-1,2-Dichloroethene	<1.00
cis-1,3-Dichloropropene	<1.00
Cobalt	.700
Copper	<5.00
Cyanide	
delta-BHC	
Diallate	
Dibenzo(a,h)anthracene	
Dibenzofuran	
Dibromomethane	<1.00
Dichlorodifluoromethane	
Dieldrin	
Diethyl phthalate	
Dimethoate	
Dimethyl phthalate	
Di-n-butylphthalate	
Di-n-octylphthalate	
Dinoseb	
Diphenylamine	
Disulfoton	
Endosulfan I	
Endosulfan II	
Endosulfan Sulfate	
Endrin	
Endrin Aldehyde	
Ethyl Methacrylate	
Ethyl Methanesulfonate	
Ethylbenzene	<1.00
Famphur	
Fluoranthene	
Fluorene	
gamma-BHC (Lindane)	
Heptachlor	
Heptachlor Epoxide	
Hexachlorobenzene	
Hexachlorobutadiene	
Hexachlorocyclopentadiene	
Hexachloroethane	
Hexachloropropene	
Indeno[1,2,3-cd]pyrene	
Iodomethane	<1.00
Iron	10600
Isobutanol	
Isodrin	
Isophorone	

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

Table 9

Analytical Data Summary for MW-313

Constituents	Units	9/18/2012	3/28/2013	9/25/2013	4/16/2014	9/26/2014	3/11/2015	9/2/2015	3/22/2016
Isosafrole	ug/L	<10.0		<10.3					
Kepona	ug/L	<10.0		<10.3					
Lead	ug/L	<4.000	<4.000	<4.000	<4.000	1.120	<.500	<.500	.401
Mercury	ug/L	<.267		<.200					
Methacrylonitrile	ug/L	<1		<1					
Methapyrilene	ug/L	<10.0		<10.3					
Methoxychlor	ug/L	<.0320		<.0333					
Methyl Methacrylate	ug/L	<2		<2					
Methyl Methanesulfonate	ug/L	<10.0		<10.3					
Methyl Parathion	ug/L	<10.0		<10.3					
Methylene Chloride	ug/L	<5.000	<5.000	<5.000	<5.000	<.170	<5.000	<5.000	<5.000
Naphthalene	ug/L	<5		<5					
Nickel	ug/L	<50.000	<50.000	2.610	<50.000	6.150	35.900	8.920	33.000
Nitrobenzene	ug/L	<10.0		<10.3					
N-Nitrosodiethylamine	ug/L	<10.0		<10.3					
N-Nitrosodimethylamine	ug/L	<10.0		<10.3					
N-Nitrosodi-n-butylamine	ug/L	<10.0		<10.3					
N-Nitrosodi-n-propylamine	ug/L	<10.0		<10.3					
N-Nitrosodiphenylamine	ug/L	<10.0		<10.3					
N-Nitrosomethylethylamine	ug/L	<10.0		<10.3					
N-Nitrosopiperidine	ug/L	<10.0		<10.3					
N-Nitrosopyrrolidine	ug/L	<10.0		<10.3					
o,o,o-Triethylphosphorothioate	ug/L	<10.0		<10.3					
o-Toluidine	ug/L	<10.0		<10.3					
p-[Dimethylamino]azobenzene	ug/L	<10.0		<10.3					
Parathion	ug/L	<10.0		<10.3					
PCB-1016	ug/L	<.800		<.808					
PCB-1221	ug/L	<.800		<.808					
PCB-1232	ug/L	<.800		<.808					
PCB-1242	ug/L	<.800		<.808					
PCB-1248	ug/L	<.800		<.808					
PCB-1254	ug/L	<.800		<.808					
PCB-1260	ug/L	<.800		<.808					
Pentachlorobenzene	ug/L	<10.0		<10.3					
Pentachloronitrobenzene	ug/L	<10.0		<10.3					
Pentachlorophenol	ug/L	<10.0		<10.3					
pH	SU					6.82	6.62	7.46	6.69
Phenacetin	ug/L	<10.0		<10.3					
Phenanthrene	ug/L	<10.0		<10.3					
Phenol	ug/L	<10.0		<10.3					
Phorate	ug/L	<10.0		<10.3					
p-Phenylenediamine	ug/L	<10.0		<10.3					
Pronamide	ug/L	<10.0		<10.3					
Propionitrile	ug/L	<10		<10					
Pyrene	ug/L	<10.0		<10.3					
Safrole	ug/L	<10.0		<10.3					
Selenium	ug/L	<5.000	<5.000	<5.000	<5.000	<3.340	<5.000	<5.000	<.630
Silver	ug/L	<20.000	<20.000	<20.000	<20.000	<.042	<1.000	<1.000	<.153
Styrene	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00
Sulfate	mg/L					405	2300	603	2300
Sulfide	mg/L	<1		<1					
Tetrachloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00
Thallium	ug/L	<2.0000	<2.0000	<2.0000	<2.0000	<.0325	<1.0000	<1.0000	<.0255
Thionazin	ug/L	<10.0		<10.3					
Tin	ug/L	<100		453	<100				
Toluene	ug/L								
Total Suspended Solids	mg/L					304.00	6.33	<5.00	43.70
Toxaphene	ug/L	<2.00		<2.08					
trans-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.22	<5.00	<5.00	<5.00
trans-1,4-Dichloro-2-butene	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00	<10.00
Trichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00
Trichlorofluoromethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.17	<4.00	<4.00	<4.00
Vanadium	ug/L	<50.00	<50.00	<50.00	<50.00	2.89	3.07	<5.00	15.40
Vinyl Acetate	ug/L	<2.00	<2.00	<2.00	<2.00	<.74	<10.00	<10.00	<10.00
Vinyl Chloride	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00
Xylenes, Total	ug/L	<3.000	<3.000	.321	<3.000	<.130	<3.000	<3.000	<3.000
Zinc	ug/L	<20.00	61.30	114.00	<40.00	32.20	13.50	<10.00	11.40

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

Table 9

Analytical Data Summary for MW-313

Constituents	10/21/2016	3/8/2017	9/25/2017	3/13/2018	10/1/2018	3/27/2019	9/23/2019	3/10/2020	9/16/2020
Isosafrole									
Kepon									
Lead	1.030	<.324	<.324	<.324	<.186	<.270	<.270	<.270	<.110
Mercury									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl Methacrylate									
Methyl Methanesulfonate									
Methyl Parathion									
Methylene Chloride	.277	<.170	<.170	.207	<1.700	<1.700	<1.700	<1.700	<1.700
Naphthalene									
Nickel	3.000	2.540	<.929	3.290	4.060	44.900	49.800	51.400	53.100
Nitrobenzene									
N-Nitrosodiethylamine									
N-Nitrosodimethylamine									
N-Nitrosodi-n-butylamine									
N-Nitrosodi-n-propylamine									
N-Nitrosodiphenylamine									
N-Nitrosomethylethylamine									
N-Nitrosopiperidine									
N-Nitrosopyrrolidine									
o,o,o-Triethylphosphorothioate									
o-Toluidine									
p-[Dimethylamino]azobenzene									
Parathion									
PCB-1016									
PCB-1221									
PCB-1232									
PCB-1242									
PCB-1248									
PCB-1254									
PCB-1260									
Pentachlorobenzene									
Pentachloronitrobenzene									
Pentachlorophenol									
pH	7.16	6.91	7.02	6.87	6.89	6.67	6.65	6.54	6.48
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
p-Phenylenediamine									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium	<.630	<.928	<.928	<.928	<.982	<1.000	<1.000	<1.000	<1.000
Silver	<.153	<.140	<.140	<.140	<.115	<.370	<.370	<.370	<.370
Styrene	<.10	<.10	<.10	<.10	<.37	<.37	<.37	<.37	<.37
Sulfate	709	665	717	693	730	2230	2180	2290	2420
Sulfide									
Tetrachloroethene	<.18	<.18	<.18	<.18	<.48	<.48	<.48	<.48	<.48
Thallium	<.0255	<.0644	<.0644	<.0644	<.5700	<.2700	<.2700	<.2600	<.2600
Thionazin									
Tin									
Toluene					<.43	<.43	<.43	<.43	<.43
Total Suspended Solids	3.38	18.60	14.50	5.00	22.00	12.70	11.80	13.30	10.00
Toxaphene									
trans-1,2-Dichloroethene	<.21	<.21	<.21	<.21	<.27	<.27	<.27	<.27	<.27
trans-1,3-Dichloropropene	<.22	<.22	<.22	<.22	<.56	<.56	<.56	<.56	<.56
trans-1,4-Dichloro-2-butene	<.13	<.13	<.13	<.13	<1.10	<1.10	<1.10	<1.10	<1.10
Trichloroethene	<.19	<.19	<.19	<.19	<.43	<.43	<.43	<.43	<.43
Trichlorofluoromethane	<.17	<.17	<.17	<.17	<.38	<.38	<.38	<.38	<.38
Vanadium	2.29	6.76	5.34	1.79	3.51	2.71	3.87	2.90	1.27
Vinyl Acetate	<.74	<.74	<.74	<.74	<2.50	<2.50	<2.50	<2.50	<2.50
Vinyl Chloride	<.10	<.10	<.10	<.10	<.60	<.60	<.18	<.18	<.18
Xylenes, Total	1.890	.786	<.130	<.130	<.400	<.400	<.400	<.400	<.400
Zinc	6.37	<11.50	<11.50	<11.50	10.30	13.10	18.60	15.10	15.80

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

Table 9

Analytical Data Summary for MW-313

Constituents	4/15/2021	10/26/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025
Isosafrole									
Kepon									
Lead	.335	.356	<.960	<4.000	<4.000	<4.000	<4.000	<4.000	<1.000
Mercury									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl Methacrylate									
Methyl Methanesulfonate									
Methyl Parathion									
Methylene Chloride	<1.700	<1.700	<1.700	<5.000	<5.000	<5.000	<5.000	<5.000	<5.000
Naphthalene									
Nickel	51.100	5.050	38.800	7.200	19.800	4.000	<4.000	<4.000	6.600
Nitrobenzene									
N-Nitrosodiethylamine									
N-Nitrosodimethylamine									
N-Nitrosodi-n-butylamine									
N-Nitrosodi-n-propylamine									
N-Nitrosodiphenylamine									
N-Nitrosomethylethylamine									
N-Nitrosopiperidine									
N-Nitrosopyrrolidine									
o,o,o-Triethylphosphorothioate									
o-Toluidine									
p-[Dimethylamino]azobenzene									
Parathion									
PCB-1016									
PCB-1221									
PCB-1232									
PCB-1242									
PCB-1248									
PCB-1254									
PCB-1260									
Pentachlorobenzene									
Pentachloronitrobenzene									
Pentachlorophenol									
pH	6.57	6.93	6.59	6.70	6.80	6.90	6.90	6.70	6.70
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
p-Phenylenediamine									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium	<.960	<.960	4.890	<4.000	<4.000	<4.000	<4.000	<4.000	<2.000
Silver	<.420	<.420	2.380	<4.000	<4.000	<4.000	<4.000	<4.000	<5.000
Styrene	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Sulfate	2480	509	2090	510	1800	387	359	1140	1660
Sulfide									
Tetrachloroethene	<.48	<.48	<.48	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Thallium	<.2600	<.2600	<1.0400	<2.0000	<2.0000	<2.0000	<2.0000	<2.0000	<.5000
Thionazin									
Tin									
Toluene	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Total Suspended Solids	34.40	29.00	2.63						
Toxaphene									
trans-1,2-Dichloroethene	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	<1.10	<1.10	<1.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Trichloroethene	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vanadium	4.75	3.31	10.50	<20.00	<20.00	<20.00	<20.00	<20.00	4.80
Vinyl Acetate	<2.50	<2.50	<2.50	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Vinyl Chloride	<.18	<.18	<.18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Xylenes, Total	<.400	<.400	<.400	<2.000	<2.000	<2.000	<2.000	<2.000	<2.000
Zinc	15.90	<10.00	<40.00	<20.00	<20.00	<20.00	<20.00	<20.00	7.80

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

Table 9

Analytical Data Summary for MW-313

Constituents	9/15/2025
Isosafrole	
Kepone	
Lead	<1.000
Mercury	
Methacrylonitrile	
Methapyrilene	
Methoxychlor	
Methyl Methacrylate	
Methyl Methanesulfonate	
Methyl Parathion	
Methylene Chloride	<5.000
Naphthalene	
Nickel	34.000
Nitrobenzene	
N-Nitrosodiethylamine	
N-Nitrosodimethylamine	
N-Nitrosodi-n-butylamine	
N-Nitrosodi-n-propylamine	
N-Nitrosodiphenylamine	
N-Nitrosomethylethylamine	
N-Nitrosopiperidine	
N-Nitrosopyrrolidine	
o,o,o-Triethylphosphorothioate	
o-Toluidine	
p-[Dimethylamino]azobenzene	
Parathion	
PCB-1016	
PCB-1221	
PCB-1232	
PCB-1242	
PCB-1248	
PCB-1254	
PCB-1260	
Pentachlorobenzene	
Pentachloronitrobenzene	
Pentachlorophenol	
pH	6.60
Phenacetin	
Phenanthrene	
Phenol	
Phorate	
p-Phenylenediamine	
Pronamide	
Propionitrile	
Pyrene	
Safrole	
Selenium	<2.000
Silver	<5.000
Styrene	<1.00
Sulfate	2130
Sulfide	
Tetrachloroethene	<1.00
Thallium	<.5000
Thionazin	
Tin	
Toluene	<1.00
Total Suspended Solids	
Toxaphene	
trans-1,2-Dichloroethene	<1.00
trans-1,3-Dichloropropene	<1.00
trans-1,4-Dichloro-2-butene	<5.00
Trichloroethene	<1.00
Trichlorofluoromethane	<1.00
Vanadium	10.90
Vinyl Acetate	<5.00
Vinyl Chloride	<1.00
Xylenes, Total	<2.000
Zinc	17.90

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

Table 9

Analytical Data Summary for MW-333

Constituents	Units	9/19/2012	3/27/2013	9/26/2013	4/16/2014	9/26/2014	3/11/2015	9/2/2015	11/10/2015
1,1,1,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	
1,1,1-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<.1	<1.0	<1.0	
1,1,2-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	
1,1-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	
1,1-Dichloroethene	ug/L	<2.00	<2.00	<2.00	<2.00	<.15	<2.00	<2.00	
1,1-Dichloropropene	ug/L	<1		<1					
1,2,3-Trichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	
1,2,4,5-Tetrachlorobenzene	ug/L	<10.0		<11.2					
1,2,4-Trichlorobenzene	ug/L	<5		<5					
1,2-Dibromo-3-chloropropane	ug/L	<10.00	<10.00	<10.00	<10.00	<.12	<10.00	<10.00	
1,2-Dibromoethane	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00	
1,2-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.14	<1.00	<1.00	
1,2-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	
1,2-Dichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.87	<1.00	<1.00	
1,3,5-Trinitrobenzene	ug/L	<10.0		<11.2					
1,3-Dichlorobenzene	ug/L	<1		<1					
1,3-Dichloropropane	ug/L	<1		<1					
1,3-Dinitrobenzene	ug/L	<10.0		<11.2					
1,4-Dichlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<.2	<1.0	<1.0	
1,4-Naphthoquinone	ug/L	<10.0		<11.2					
1-Naphthylamine	ug/L	<10.0		<11.2					
2,2'-oxybis[1-Chloropropane]	ug/L	<10.0		<11.2					
2,2-Dichloropropane	ug/L	<4		<4					
2,3,4,6-Tetrachlorophenol	ug/L	<10.0		<11.2					
2,4,5-T	ug/L	<1.00		<1.01					
2,4,5-TP [Silvex]	ug/L	<1.00		<1.01					
2,4,5-Trichlorophenol	ug/L	<10.0		<11.2					
2,4,6-Trichlorophenol	ug/L	<10.0		<11.2					
2,4-D	ug/L	<1.00		<1.01					
2,4-Dichlorophenol	ug/L	<10.0		<11.2					
2,4-Dimethylphenol	ug/L	<10.0		<11.2					
2,4-Dinitrophenol	ug/L	<20.0		<22.5					
2,4-Dinitrotoluene	ug/L	<10.0		<11.2					
2,6-Dichlorophenol	ug/L	<10.0		<11.2					
2,6-Dinitrotoluene	ug/L	<10.0		<11.2					
2-Acetylaminofluorene	ug/L	<10.0		<11.2					
2-Butanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.47	<10.00	<10.00	
2-Chloronaphthalene	ug/L	<10.0		<11.2					
2-Chlorophenol	ug/L	<10.0		<11.2					
2-Hexanone	ug/L	<10.0	<10.0	<10.0	<10.0	<.2	<10.0	<10.0	
2-Methylnaphthalene	ug/L	<10.0		<11.2					
2-Methylphenol [o-Cresol]	ug/L	<10.0		<11.2					
2-Naphthylamine	ug/L	<10.0		<11.2					
2-Nitroaniline	ug/L	<10.0		<11.2					
2-Nitrophenol	ug/L	<10.0		<11.2					
3,3-Dichlorobenzidine	ug/L	<10.0		<56.2					
3,3-Dimethylbenzidine	ug/L	<10.0		<11.2					
3-Methylcholanthrene	ug/L	<10.0		<11.2					
3-Nitroaniline	ug/L	<10.0		<11.2					
4,4'-DDD	ug/L	<.0320		<.0356					
4,4'-DDE	ug/L	<.0320		<.0356					
4,4'-DDT	ug/L	<.0320		<.0356					
4,6-Dinitro-2-methylphenol	ug/L	<10.0		<11.2					
4-Aminobiphenyl	ug/L	<10.0		<11.2					
4-Bromophenyl phenyl ether	ug/L	<10.0		<11.2					
4-Chloro-3-methylphenol	ug/L	<10.0		<11.2					
4-Chloroaniline	ug/L	<10.0		<11.2					
4-Chlorophenyl phenyl ether	ug/L	<10.0		<11.2					
4-Methyl-2-pentanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.22	<10.00	<10.00	
4-Nitroaniline	ug/L	<10.0		<11.2					
4-Nitrophenol	ug/L	<10.0		<11.2					
5-Nitro-o-toluidine	ug/L	<10.0		<11.2					
7,12-Dimethylbenz[a]anthracene	ug/L	<10.0		<11.2					
Acenaphthene	ug/L	<10.0		<11.2					
Acetone	ug/L	<10.00	<10.00	<10.00	<10.00	<1.79	<10.00	<10.00	
Acetonitrile	ug/L	<10000		964					
Acetophenone	ug/L	<10.0		<11.2					
Acrolein	ug/L	<10		<10					
Acrylonitrile	ug/L	<10.00	<10.00	<10.00	<10.00	<.53	<10.00	<10.00	
Aldrin	ug/L	<.0320		<.0356					
Alkalinity as CaCO3	mg/L					655	497	475	
Allyl Chloride	ug/L	<20		<2					
alpha-BHC	ug/L	<.0320		<.0356					
Aluminum	ug/L					11.6	16.8	55.0	
Anthracene	ug/L	<10.0		<11.2					
Antimony	ug/L	<12.000	<6.000	<6.000	<6.000	<.161	.206	<1.000	

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

Table 9

Analytical Data Summary for MW-333

Constituents	Units	9/19/2012	3/27/2013	9/26/2013	4/16/2014	9/26/2014	3/11/2015	9/2/2015	11/10/2015
Arsenic	ug/L	6.64	3.68	8.18	5.68	12.90	7.68	<2.00	
Barium	ug/L	222.0	158.0	107.0	149.0	240.0	132.0	12.6	
Benzene	ug/L	<.50	<.50	<.50	<.50	<.11	<.50	<.50	
Benzo[a]anthracene	ug/L	<10.0		<11.2					
Benzo[a]pyrene	ug/L	<10.0		<11.2					
Benzo[b]fluoranthene	ug/L	<10.0		<11.2					
Benzo[ghi]perylene	ug/L	<10.0		<11.2					
Benzo[k]fluoranthene	ug/L	<10.0		<11.2					
Benzyl alcohol	ug/L	<10.0		<11.2					
Beryllium	ug/L	<1.000	<1.000	<1.000	<1.000	<.039	<1.000	<1.000	
beta-BHC	ug/L	<.0320		<.0356					
Bis(2-chloroethoxy)methane	ug/L	<10.0		<11.2					
Bis(2-chloroethyl)ether	ug/L	<10.0		<11.2					
Bis(2-ethylhexyl)phthalate	ug/L	<10.0		<11.2					
Bromochloromethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.12	<5.00	<5.00	
Bromodichloromethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	
Bromoform	ug/L	<5.00	<5.00	<5.00	<5.00	<.14	<5.00	<5.00	
Bromomethane	ug/L	<20.00	<4.00	<4.00	<4.00	<.22	<4.00	<4.00	
Butylbenzylphthalate	ug/L	<10.0		<11.2					
Cadmium	ug/L	<.500	<.500	<.500	<.500	<.112	<.500	1.440	<.112
Carbon Disulfide	ug/L	<1.00	<1.00	<1.00	<1.00	<.15	<1.00	<1.00	
Carbon Tetrachloride	ug/L	<2.00	<2.00	<2.00	<2.00	<.24	<2.00	<2.00	
Chlordane	ug/L	<2.00		<2.22					
Chlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	
Chlorobenzilate	ug/L	<10.0		<11.2					
Chlorodibromomethane	ug/L	<5.0	<5.0	<5.0	<5.0	<.2	<5.0	<5.0	
Chloroethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.15	<4.00	<4.00	
Chloroform	ug/L	<1.00	<1.00	<1.00	<1.00	<.28	<1.00	<1.00	
Chloromethane	ug/L	<3.00	<3.00	<3.00	<3.00	<.31	<3.00	<3.00	
Chloroprene	ug/L	<1		<1					
Chromium	ug/L	<20.00	<20.00	4.33	<20.00	<1.24	<5.00	<5.00	
Chrysene	ug/L	<10.0		<11.2					
cis-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.13	<1.00	<1.00	
cis-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.15	<5.00	<5.00	
Cobalt	ug/L	15.7	20.6	15.7	14.5	18.9	16.0	<.5	
Copper	ug/L	<20.000	<20.000	<20.000	<20.000	<.485	1.430	3.770	
Cyanide	mg/L	<.01		<.01					
delta-BHC	ug/L	<.0320		<.0356					
Diallate	ug/L	<10.0		<11.2					
Dibenzo(a,h)anthracene	ug/L	<10.0		<11.2					
Dibenzofuran	ug/L	<10.0		<11.2					
Dibromomethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	
Dichlorodifluoromethane	ug/L	<3		<3					
Dieldrin	ug/L	<.0320		<.0356					
Diethyl phthalate	ug/L	<10.0		<11.2					
Dimethoate	ug/L	<10.0		<11.2					
Dimethyl phthalate	ug/L	<10.0		<11.2					
Di-n-butylphthalate	ug/L	<10.0		<11.2					
Di-n-octylphthalate	ug/L	<10.0		<22.5					
Dinoseb	ug/L	<10.0		<11.2					
Diphenylamine	ug/L	<10.0		<11.2					
Disulfoton	ug/L	<10.0		<11.2					
Endosulfan I	ug/L	<.0320		<.0356					
Endosulfan II	ug/L	<.0320		<.0356					
Endosulfan Sulfate	ug/L	<.0320		<.0356					
Endrin	ug/L	<.0320		<.0356					
Endrin Aldehyde	ug/L	<.0320		<.0356					
Ethyl Methacrylate	ug/L	<2		<2					
Ethyl Methanesulfonate	ug/L	<10.0		<11.2					
Ethylbenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	
Famphur	ug/L	<20.0		<22.5					
Fluoranthene	ug/L	<10.0		<11.2					
Fluorene	ug/L	<10.0		<11.2					
gamma-BHC (Lindane)	ug/L	<.0320		<.0356					
Heptachlor	ug/L	<.0320		<.0356					
Heptachlor Epoxide	ug/L	<.0320		<.0356					
Hexachlorobenzene	ug/L	<10.0		<11.2					
Hexachlorobutadiene	ug/L	<10.0		<11.2					
Hexachlorocyclopentadiene	ug/L	<10.0		<22.5					
Hexachloroethane	ug/L	<10.0		<11.2					
Hexachloropropene	ug/L	<10.0		<11.2					
Indeno[1,2,3-cd]pyrene	ug/L	<10.0		<11.2					
Iodomethane	ug/L	<10.0	<10.0	<10.0	<10.0	<.8	<10.0	<10.0	
Iron	ug/L					39600	29500	148	
Isobutanol	ug/L	<10000		<10000					
Isodrin	ug/L	<10.0		<11.2					
Isophorone	ug/L	<10.0		<11.2					

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

Table 9

Analytical Data Summary for MW-333

Constituents	Units	9/19/2012	3/27/2013	9/26/2013	4/16/2014	9/26/2014	3/11/2015	9/2/2015	11/10/2015
Isosafrole	ug/L	<10.0		<11.2					
Kepona	ug/L	<10.0		<11.2					
Lead	ug/L	<4.0000	<4.0000	<4.0000	<4.0000	<.0967	.1650	<.5000	
Mercury	ug/L	<.267		<.200					
Methacrylonitrile	ug/L	<1		<1					
Methapyrilene	ug/L	<10.0		<11.2					
Methoxychlor	ug/L	<.0320		<.0356					
Methyl Methacrylate	ug/L	<2		<2					
Methyl Methanesulfonate	ug/L	<10.0		<11.2					
Methyl Parathion	ug/L	<10.0		<11.2					
Methylene Chloride	ug/L	<5.00	<5.00	<5.00	<5.00	<.17	<5.00	<5.00	
Naphthalene	ug/L	<5		<5					
Nickel	ug/L	<50.000000	6.350000	14.400000	<50.000000	11.100000	9.549999	56.599998	
Nitrobenzene	ug/L	<10.0		<11.2					
N-Nitrosodiethylamine	ug/L	<10.0		<11.2					
N-Nitrosodimethylamine	ug/L	<10.0		<11.2					
N-Nitrosodi-n-butylamine	ug/L	<10.0		<11.2					
N-Nitrosodi-n-propylamine	ug/L	<10.0		<11.2					
N-Nitrosodiphenylamine	ug/L	<10.0		<11.2					
N-Nitrosomethylethylamine	ug/L	<10.0		<11.2					
N-Nitrosopiperidine	ug/L	<10.0		<11.2					
N-Nitrosopyrrolidine	ug/L	<10.0		<11.2					
o,o,o-Triethylphosphorothioate	ug/L	<10.0		<11.2					
o-Toluidine	ug/L	<10.0		<11.2					
p-[Dimethylamino]azobenzene	ug/L	<10.0		<11.2					
Parathion	ug/L	<10.0		<11.2					
PCB-1016	ug/L	<.800		<.909					
PCB-1221	ug/L	<.800		<.909					
PCB-1232	ug/L	<.800		<.909					
PCB-1242	ug/L	<.800		<.909					
PCB-1248	ug/L	<.800		<.909					
PCB-1254	ug/L	<.800		<.909					
PCB-1260	ug/L	<.800		<.909					
Pentachlorobenzene	ug/L	<10.0		<11.2					
Pentachloronitrobenzene	ug/L	<10.0		<11.2					
Pentachlorophenol	ug/L	<10.0		<11.2					
pH	SU					6.45	6.47	6.50	
Phenacetin	ug/L	<10.0		<11.2					
Phenanthrene	ug/L	<10.0		<11.2					
Phenol	ug/L	<10.0		<11.2					
Phorate	ug/L	<10.0		<11.2					
p-Phenylenediamine	ug/L	<10.0		<11.2					
Pronamide	ug/L	<10.0		<11.2					
Propionitrile	ug/L	<10		<10					
Pyrene	ug/L	<10.0		<11.2					
Safrole	ug/L	<10.0		<11.2					
Selenium	ug/L	<5.00	<5.00	<5.00	<5.00	<3.34	<5.00	<5.00	
Silver	ug/L	<20.000	<20.000	<20.000	<20.000	<.042	<1.000	<1.000	
Styrene	ug/L	<1.0	<1.0	<1.0	<1.0	<.1	<1.0	<1.0	
Sulfate	mg/L					212	997	1230	
Sulfide	mg/L	<1		<1					
Tetrachloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	
Thallium	ug/L	<2.0000	<2.0000	<2.0000	<2.0000	<.0325	.0470	<1.0000	
Thionazin	ug/L	<10.0		<11.2					
Tin	ug/L	<100		516	<100				
Total Suspended Solids	mg/L					56.0	79.7	35.0	
Toxaphene	ug/L	<2.00		<2.22					
trans-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	
trans-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.22	<5.00	<5.00	
trans-1,4-Dichloro-2-butene	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00	
Trichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	
Trichlorofluoromethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.17	<4.00	<4.00	
Vanadium	ug/L	<50.000	<50.000	<50.000	<50.000	.579	1.020	<5.000	
Vinyl Acetate	ug/L	<2.00	<2.00	<2.00	<2.00	<.74	<10.00	<10.00	
Vinyl Chloride	ug/L	<1.0	<1.0	<1.0	<1.0	<.1	<1.0	<1.0	
Xylenes, Total	ug/L	<3.00	<3.00	<3.00	<3.00	<.13	<3.00	<3.00	
Zinc	ug/L	<20.00	39.80	107.00	<20.00	7.78	13.60	31.80	

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

Table 9

Analytical Data Summary for MW-335

Constituents	Units	9/19/2012	3/27/2013	9/25/2013	4/15/2014	9/25/2014	3/11/2015	9/2/2015	3/22/2016
1,1,1,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00
1,1-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
1,1-Dichloroethene	ug/L	<2.00	<2.00	<2.00	<2.00	<.15	<2.00	<2.00	<2.00
1,1-Dichloropropene	ug/L								
1,2,3-Trichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene	ug/L								
1,2,4-Trichlorobenzene	ug/L								
1,2-Dibromo-3-chloropropane	ug/L	<10.00	<10.00	<10.00	<10.00	<.12	<10.00	<10.00	<10.00
1,2-Dibromoethane	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00	<10.00
1,2-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.14	<1.00	<1.00	<1.00
1,2-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00
1,2-Dichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.87	<1.00	<1.00	<1.00
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	<1.00	<1.00	<1.00	<1.00	<.20	<1.00	<1.00	<1.00
1,4-Naphthoquinone	ug/L								
1,4-phenylenediamine	ug/L								
1-Naphthylamine	ug/L								
2,2-Dichloropropane	ug/L								
2,3,4,6-Tetrachlorophenol	ug/L								
2,4,5-T	ug/L								
2,4,5-TP [Silvex]	ug/L								
2,4,5-Trichlorophenol	ug/L								
2,4,6-Trichlorophenol	ug/L								
2,4-D	ug/L								
2,4-Dichlorophenol	ug/L								
2,4-Dimethylphenol	ug/L								
2,4-Dinitrophenol	ug/L								
2,4-Dinitrotoluene	ug/L								
2,6-Dichlorophenol	ug/L								
2,6-Dinitrotoluene	ug/L								
2-Acetylaminofluorene	ug/L								
2-Butanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.47	<10.00	<10.00	<10.00
2-Chloronaphthalene	ug/L								
2-Chlorophenol	ug/L								
2-Hexanone	ug/L	<10.0	<10.0	<10.0	<10.0	<.2	<10.0	<10.0	<10.0
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	ug/L	<10.00	<10.00	<10.00	<10.00	<.22	<10.00	<10.00	<10.00
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	<10.00	<10.00	<10.00	<10.00	<1.79	<10.00	<10.00	<10.00
Acetonitrile	ug/L								
Acetophenone	ug/L								
Acrolein	ug/L								
Acrylonitrile	ug/L	<10.00	<10.00	<10.00	<10.00	<.53	<10.00	<10.00	<10.00
Aldrin	ug/L								
Alkalinity as CaCO3	mg/L					609	594	593	666
Allyl Chloride	ug/L								
alpha-BHC	ug/L								
Aluminum	ug/L					391.0	51.5	413.0	83.1
Anthracene	ug/L								

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

Table 9

Analytical Data Summary for MW-335

Constituents	10/19/2016	3/7/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	11/7/2019	3/10/2020
1,1,1,2-Tetrachloroethane	<.21	<.21	<.21	<.21	<.38	<.38	<.38		<.38
1,1,1-Trichloroethane	<.12	<.12	<.12	<.12	<.19	<.19	<.19		<.19
1,1,2,2-Tetrachloroethane	<.10	<.10	<.10	<.10	<.47	<.47	<.47		<.47
1,1,2-Trichloroethane	<.12	<.12	<.12	<.12	<.45	<.45	<.45		<.45
1,1-Dichloroethane	<.21	<.21	<.21	<.21	<.22	<.22	<.22		<.22
1,1-Dichloroethene	<.15	<.15	<.15	<.15	<.56	<.56	<.56		<.56
1,1-Dichloropropene									<.43
1,2,3-Trichloropropane	<.19	<.19	<.19	<.19	<.59	<.59	<.59		<.59
1,2,4,5-Tetrachlorobenzene									<1.7
1,2,4-Trichlorobenzene									<.75
1,2-Dibromo-3-chloropropane	<.50	<.50	<.50	<.50	<1.20	<1.20	<1.20		<1.20
1,2-Dibromoethane	<.13	<.13	<.13	<.13	<.34	<.34	<.34		<.34
1,2-Dichlorobenzene	<.14	<.14	<.14	<.14	<.37	<.37	<.37		<.37
1,2-Dichloroethane	<.18	<.18	<.18	<.18	<.39	<.39	<.39		<.39
1,2-Dichloropropane	<.87	<.87	<.87	<.87	<.27	<.27	<.27		<.27
1,3,5-Trinitrobenzene									<1.38
1,3-Dichlorobenzene									<.3
1,3-Dichloropropane									<.4
1,3-Dinitrobenzene									<1.06
1,4-Dichlorobenzene	<.20	<.20	<.20	<.20	<.23	<.23	<.23		<.23
1,4-Naphthoquinone									<1.04
1,4-phenylenediamine									<.532
1-Naphthylamine									<.936
2,2-Dichloropropane									<.69
2,3,4,6-Tetrachlorophenol									<1.05
2,4,5-T									<.474
2,4,5-TP [Silvex]									<.316
2,4,5-Trichlorophenol									<1.17
2,4,6-Trichlorophenol									<1.28
2,4-D									<.509
2,4-Dichlorophenol									<1.17
2,4-Dimethylphenol									<1.06
2,4-Dinitrophenol									<6.06
2,4-Dinitrotoluene									<1.17
2,6-Dichlorophenol									<1.17
2,6-Dinitrotoluene									<1.17
2-Acetylaminofluorene									<1.28
2-Butanone	<1.04	<1.04	<1.04	<1.04	<2.10	<2.10	<2.10		<2.10
2-Chloronaphthalene									<1.38
2-Chlorophenol									<1.17
2-Hexanone	<.2	<.2	<.2	<.2	<2.0	<2.0	<2.0		<2.0
2-Methylnaphthalene									<1.38
2-Methylphenol									<1.06
2-Naphthylamine									<.915
2-Nitroaniline									<1.28
2-Nitrophenol									<1.7
3,3'-Dichlorobenzidine									<1.91
3,3'-Dimethylbenzidine									<2.13
3-Methylcholanthrene									<2.66
3-Nitroaniline									<1.06
4,4'-DDD									<.00189
4,4'-DDE									<.00221
4,4'-DDT									<.004
4,6-Dinitro-2-methylphenol									<2.66
4-Aminobiphenyl									<1.02
4-Bromophenyl phenyl ether									<2.02
4-Chloro-3-methylphenol									<1.01
4-Chloroaniline									<1.28
4-Chlorophenyl phenyl ether									<1.38
4-Methyl-2-pentanone	<.22	<.22	<.22	<.22	<2.10	<2.10	<2.10		<2.10
4-Nitroaniline									<1.81
4-Nitrophenol									<2.66
5-Nitro-o-toluidine									<3.3
7,12-Dimethylbenz(a)anthracene									<.979
Acenaphthene									<1.38
Acenaphthylene									<1.38
Acetone	<1.79	<1.79	2.49	2.33	<3.10	<3.10	<3.10		<3.10
Acetonitrile									<404
Acetophenone									<3.19
Acrolein									<3.6
Acrylonitrile	<.53	<.53	<.53	<.53	<2.20	<2.20	<2.20		<2.20
Aldrin									<.00474
Alkalinity as CaCO3	484	505	500	475	520	572	178		466
Allyl Chloride									<.7
alpha-BHC									<.00179
Aluminum	31.8	<41.3	<41.3	<165.0	<24.6	<27.0	63.7		41.9
Anthracene									<1.17

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

Table 9

Analytical Data Summary for MW-335

Constituents	9/16/2020	4/15/2021	10/27/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024
1,1,1,2-Tetrachloroethane	<.38	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<.19	<.19	<.19	<.19	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<.47	<.47	<.47	<.47	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<.45	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	<.22	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	<.56	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloropropene									
1,2,3-Trichloropropane	<.59	<.59	<.59	<.59	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene									
1,2,4-Trichlorobenzene									
1,2-Dibromo-3-chloropropane	<1.20	<1.20	<1.20	<1.20	<5.00	<5.00	<5.00	<5.00	<5.00
1,2-Dibromoethane	<.34	<.34	<.34	<.34	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<.37	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	<.39	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	<.27	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00	<1.00
1,3,5-Trinitrobenzene									
1,3-Dichlorobenzene									
1,3-Dichloropropane									
1,3-Dinitrobenzene									
1,4-Dichlorobenzene	<.23	<.23	<.23	<.23	<1.00	<1.00	<1.00	<1.00	<1.00
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	<2.10	<2.10	<2.10	<2.10	<10.00	<10.00	<10.00	<10.00	<10.00
2-Chloronaphthalene									
2-Chlorophenol									
2-Hexanone	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0
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	<2.10	<2.10	<2.10	<2.10	<5.00	<5.00	<5.00	<5.00	<5.00
4-Nitroaniline									
4-Nitrophenol									
5-Nitro-o-toluidine									
7,12-Dimethylbenz(a)anthracene									
Acenaphthene									
Acenaphthylene									
Acetone	<3.10	<3.10	<3.10	<3.10	<10.00	<10.00	<10.00	<10.00	<10.00
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<2.20	<2.20	<2.20	<2.20	<5.00	<5.00	<5.00	<5.00	<5.00
Aldrin									
Alkalinity as CaCO3	400	228	518	647	592	443	558	522	548
Allyl Chloride									
alpha-BHC									
Aluminum	<12.0	37.4	51.8	336.0	173.0	372.0	342.0	239.0	127.0
Anthracene									

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

Table 9

Analytical Data Summary for MW-335

Constituents	3/25/2025	9/15/2025
1,1,1,2-Tetrachloroethane	<1.00	<1.00
1,1,1-Trichloroethane	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<1.00	<1.00
1,1,2-Trichloroethane	<1.00	<1.00
1,1-Dichloroethane	<1.00	<1.00
1,1-Dichloroethene	<1.00	<1.00
1,1-Dichloropropene		
1,2,3-Trichloropropane	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene		
1,2,4-Trichlorobenzene		
1,2-Dibromo-3-chloropropane	<5.00	<5.00
1,2-Dibromoethane	<1.00	<1.00
1,2-Dichlorobenzene	<1.00	<1.00
1,2-Dichloroethane	<1.00	<1.00
1,2-Dichloropropane	<1.00	<1.00
1,3,5-Trinitrobenzene		
1,3-Dichlorobenzene		
1,3-Dichloropropane		
1,3-Dinitrobenzene		
1,4-Dichlorobenzene	<1.00	<1.00
1,4-Naphthoquinone		
1,4-phenylenediamine		
1-Naphthylamine		
2,2-Dichloropropane		
2,3,4,6-Tetrachlorophenol		
2,4,5-T		
2,4,5-TP [Silvex]		
2,4,5-Trichlorophenol		
2,4,6-Trichlorophenol		
2,4-D		
2,4-Dichlorophenol		
2,4-Dimethylphenol		
2,4-Dinitrophenol		
2,4-Dinitrotoluene		
2,6-Dichlorophenol		
2,6-Dinitrotoluene		
2-Acetylaminofluorene		
2-Butanone	<10.00	<10.00
2-Chloronaphthalene		
2-Chlorophenol		
2-Hexanone	<5.0	<5.0
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	<5.00	<5.00
4-Nitroaniline		
4-Nitrophenol		
5-Nitro-o-toluidine		
7,12-Dimethylbenz(a)anthracene		
Acenaphthene		
Acenaphthylene		
Acetone	<10.00	<10.00
Acetonitrile		
Acetophenone		
Acrolein		
Acrylonitrile	<5.00	<5.00
Aldrin		
Alkalinity as CaCO3	524	540
Allyl Chloride		
alpha-BHC		
Aluminum	303.0	<50.0
Anthracene		

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

Table 9

Analytical Data Summary for MW-335

Constituents	Units	9/19/2012	3/27/2013	9/25/2013	4/15/2014	9/25/2014	3/11/2015	9/2/2015	3/22/2016
Antimony	ug/L	<6.000	<6.000	<6.000	<6.000	<.161	<1.000	<1.000	<.237
Arsenic	ug/L	6.810	1.580	4.150	1.740	4.180	2.510	4.860	3.660
Barium	ug/L	14.60	11.80	6.65	6.36	14.90	13.10	15.40	12.20
Benzene	ug/L	<.50	<.50	<.50	<.50	<.11	<.50	<.50	<.50
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	ug/L	<1.000	.331	.530	<1.000	.482	<1.000	<1.000	.311
beta-BHC	ug/L								
bis (2-chloroisopropyl) ether	ug/L								
Bis(2-chloroethoxy)methane	ug/L								
Bis(2-chloroethyl)ether	ug/L								
Bis(2-ethylhexyl)phthalate	ug/L								
Bromochloromethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.12	<5.00	<5.00	<5.00
Bromodichloromethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00
Bromoform	ug/L	<5.00	<5.00	<5.00	<5.00	<.14	<5.00	<5.00	<5.00
Bromomethane	ug/L	<20.000	<4.000	<4.000	<4.000	<.220	<4.000	<4.000	<4.000
Butylbenzylphthalate	ug/L								
Cadmium	ug/L	<.500	<.500	<.500	.177	.311	<.500	<.500	.038
Carbon Disulfide	ug/L	<1.00	<1.00	<1.00	<1.00	<.15	<1.00	<1.00	<1.00
Carbon Tetrachloride	ug/L	<2.00	<2.00	<2.00	<2.00	<.24	<2.00	<2.00	<2.00
Chlordane (technical)	ug/L								
Chlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00
Chlorobenzilate	ug/L								
Chlorodibromomethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.20	<5.00	<5.00	<5.00
Chloroethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.15	<4.00	<4.00	<4.00
Chloroform	ug/L	<1.00	<1.00	<1.00	<1.00	<.28	<1.00	<1.00	<1.00
Chloromethane	ug/L	<3.000	<3.000	<3.000	<3.000	<.310	<3.000	<3.000	<3.000
Chloroprene	ug/L								
Chromium	ug/L	30.500	<20.000	2.930	<40.000	<1.240	<5.000	<5.000	<.355
Chrysene	ug/L								
cis-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.13	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.15	<5.00	<5.00	<5.00
Cobalt	ug/L	56.500	52.600	46.000	57.500	55.700	50.300	47.500	45.800
Copper	ug/L	<20.000	<20.000	<20.000	<40.000	.663	<2.000	<2.000	<1.220
Cyanide	mg/L								
delta-BHC	ug/L								
Diallate	ug/L								
Dibenzo(a,h)anthracene	ug/L								
Dibenzofuran	ug/L								
Dibromomethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00
Dichlorodifluoromethane	ug/L								
Dieldrin	ug/L								
Diethyl phthalate	ug/L								
Dimethoate	ug/L								
Dimethyl phthalate	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								
Ethyl Parathion	ug/L								
Ethylbenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
Famphur	ug/L								
Fluoranthene	ug/L								
Fluorene	ug/L								
gamma-BHC (Lindane)	ug/L								
Heptachlor	ug/L								
Heptachlor Epoxide	ug/L								
Hexachlorobenzene	ug/L								
Hexachlorobutadiene	ug/L								
Hexachlorocyclopentadiene	ug/L								
Hexachloroethane	ug/L								
Hexachloropropene	ug/L								
Indeno[1,2,3-cd]pyrene	ug/L								
Iodomethane	ug/L	<10.0	<10.0	<10.0	<10.0	<.8	<10.0	<10.0	<10.0
Iron	ug/L					11600	7200	14300	10300

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

Table 9

Analytical Data Summary for MW-335

Constituents	10/19/2016	3/7/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	11/7/2019	3/10/2020
Antimony	<.237	<.185	<.185	<.740	<1.320	<.530	<1.060	<.530	<.580
Arsenic	1.300	.776	.713	<2.020	.876	.961	3.260	1.370	<.880
Barium	12.10	15.10	12.10	13.30	11.30	11.30	12.90	12.30	11.50
Benzene	<.11	<.11	<.11	<.11	<.22	<.22	<.22		<.22
Benzo[a]anthracene									<1.17
Benzo[a]pyrene									<1.6
Benzo[b]fluoranthene									<1.28
Benzo[g,h,i]perylene									<1.7
Benzo[k]fluoranthene									<1.28
Benzyl alcohol									<1.17
Beryllium	.225	.160	<.125	<.500	<.530	<.270	<.540	.447	<.270
beta-BHC									<.00505
bis (2-chloroisopropyl) ether									<1.28
Bis(2-chloroethoxy)methane									<1.17
Bis(2-chloroethyl)ether									<1.17
Bis(2-ethylhexyl)phthalate									<2.77
Bromochloromethane	<.12	<.12	<.12	<.12	<.54	<.54	<.54		<.54
Bromodichloromethane	<.12	<.12	<.12	<.12	<.39	<.39	<.39		<.39
Bromoform	<.14	<.14	<.14	<.14	<.78	<.78	<.78		<.78
Bromomethane	<.220	<.220	.402	<.220	<1.100	<1.100	<1.100		<1.100
Butylbenzylphthalate									<1.6
Cadmium	.197	.210	.133	<.176	.169	<.077	.122	.328	.221
Carbon Disulfide	<.15	<.15	<.15	<.15	<.45	<.45	<.45		<.45
Carbon Tetrachloride	<.24	<.24	<.24	<.24	<.65	<.65	<.65		<.65
Chlordane (technical)									<.0674
Chlorobenzene	<.19	<.19	<.19	<.19	<.40	<.40	<.40		<.40
Chlorobenzilate									<3.09
Chlorodibromomethane	<.20	<.20	<.20	<.20	<.75	<.75	<.75		<.75
Chloroethane	<.15	<.15	<.15	<.15	<.79	<.79	<.79		<.79
Chloroform	<.28	<.28	<.28	<.28	<1.30	<1.30	<1.30		<1.30
Chloromethane	.336	<.310	<.310	<.310	<.610	<.610	<.610		<.610
Chloroprene									<.23
Chromium	<.355	<.729	<.729	<2.920	<1.140	<.980	<1.960	<.980	<1.100
Chrysene									<1.17
cis-1,2-Dichloroethene	<.13	<.13	<.13	<.13	<.21	<.21	<.21		<.21
cis-1,3-Dichloropropene	<.15	<.15	<.15	<.15	<.25	<.25	<.25		<.25
Cobalt	66.000	74.300	52.100	66.000	45.000	39.600	382.000	144.000	86.200
Copper	<1.220	<2.190	<2.190	<8.760	1.030	<2.000	<4.000	<2.000	<3.200
Cyanide									<.005
delta-BHC									<.00242
Diallate									<1.38
Dibenzo(a,h)anthracene									<2.02
Dibenzofuran									<1.28
Dibromomethane	<.18	<.18	<.18	<.18	<.33	<.33	<.33		<.33
Dichlorodifluoromethane									<.25
Dieldrin									<.00211
Diethyl phthalate									<1.17
Dimethoate									<1.06
Dimethyl phthalate									<2.66
Di-n-butyl phthalate									<1.28
Di-n-octyl phthalate									<3.19
Dinoseb									<.532
Diphenylamine									<.936
Disulfoton									<.681
Endosulfan I									<.00211
Endosulfan II									<.002
Endosulfan Sulfate									<.00263
Endrin									<.002
Endrin Aldehyde									<.00768
Ethyl Methacrylate									<.68
Ethyl Methanesulfonate									<.532
Ethyl Parathion									<1.7
Ethylbenzene	<.21	<.21	<.21	<.21	<.31	<.31	<.31		<.31
Famphur									<.681
Fluoranthene									<1
Fluorene									<1.38
gamma-BHC (Lindane)									<.002
Heptachlor									<.00274
Heptachlor Epoxide									<.00642
Hexachlorobenzene									<1.49
Hexachlorobutadiene									<1.28
Hexachlorocyclopentadiene									<2.23
Hexachloroethane									<1.38
Hexachloropropene									<1.7
Indeno[1,2,3-cd]pyrene									<2.13
Iodomethane	<.8	<.8	<.8	<.8	<7.0	<7.0	<7.0		<7.0
Iron	4110	4290	2420	1370	2650	7080	32700		2900

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

Table 9

Analytical Data Summary for MW-335

Constituents	9/16/2020	4/15/2021	10/27/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024
Antimony	<.510	<1.100	<1.100	<2.760	<2.000	<2.000	<2.000	<2.000	<2.000
Arsenic	<.880	<.750	1.250	5.900	7.100	16.900	5.100	9.900	11.700
Barium	24.30	17.20	12.80	12.30	12.00	17.00	11.60	13.20	12.50
Benzene	<.22	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00	<1.00
Benzo[a]anthracene									
Benzo[a]pyrene									
Benzo[b]fluoranthene									
Benzo[g,h,i]perylene									
Benzo[k]fluoranthene									
Benzyl alcohol									
Beryllium	<.270	<.270	<.270	<1.080	<4.000	<4.000	<4.000	<4.000	<4.000
beta-BHC									
bis (2-chloroisopropyl) ether									
Bis(2-chloroethoxy)methane									
Bis(2-chloroethyl)ether									
Bis(2-ethylhexyl)phthalate									
Bromochloromethane	<.54	<.54	<.54	<.54	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	<.39	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00	<1.00
Bromoform	<.78	<.78	<.78	<.78	<1.00	<1.00	<1.00	<1.00	<1.00
Bromomethane	<1.100	<1.100	<1.100	<1.100	<1.000	<1.000	<1.000	<1.000	<1.000
Butylbenzylphthalate									
Cadmium	.143	.066	.159	1.010	<.800	<.800	<.800	<.800	<.800
Carbon Disulfide	<.45	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00	<1.00
Carbon Tetrachloride	<.65	<.65	<.65	<.65	<1.00	<1.00	<1.00	<1.00	<1.00
Chlordane (technical)									
Chlorobenzene	<.40	<.40	<.40	<.40	<1.00	<1.00	<1.00	<1.00	<1.00
Chlorobenzilate									
Chlorodibromomethane	<.75	<.75	<.75	<.75	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroethane	<.79	<.79	<.79	<.79	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	<1.30	<1.30	<1.30	<1.30	<1.00	<1.00	<1.00	<1.00	<1.00
Chloromethane	<.610	<.610	<.610	<.610	<1.000	<1.000	<1.000	<1.000	<1.000
Chloroprene									
Chromium	<1.100	<1.100	<1.100	<4.400	<8.000	<8.000	<8.000	<8.000	<8.000
Chrysene									
cis-1,2-Dichloroethene	<.21	<.21	<.21	<.21	<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	<.25	<.25	<.25	<.25	<1.00	<1.00	<1.00	<1.00	<1.00
Cobalt	.138	.177	81.800	43.100	42.300	68.200	39.700	40.300	37.600
Copper	<1.500	<1.400	<1.400	<7.200	<4.000	4.700	<4.000	<4.000	<4.000
Cyanide									
delta-BHC									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromomethane	<.33	<.33	<.33	<.33	<1.00	<1.00	<1.00	<1.00	<1.00
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethyl phthalate									
Di-n-butyl phthalate									
Di-n-octyl phthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan I									
Endosulfan II									
Endosulfan Sulfate									
Endrin									
Endrin Aldehyde									
Ethyl Methacrylate									
Ethyl Methanesulfonate									
Ethyl Parathion									
Ethylbenzene	<.31	<.31	<.31	<.31	<1.00	<1.00	<1.00	<1.00	<1.00
Famphur									
Fluoranthene									
Fluorene									
gamma-BHC (Lindane)									
Heptachlor									
Heptachlor Epoxide									
Hexachlorobenzene									
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno[1,2,3-cd]pyrene									
Iodomethane	<7.0	<7.0	<7.0	<7.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	<50	104	4540	9650	10100	9540	11000	9460	14000

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

Table 9

Analytical Data Summary for MW-335

Constituents	3/25/2025	9/15/2025
Antimony	<1.000	<1.000
Arsenic	3.500	4.100
Barium	14.30	11.40
Benzene	<1.00	<1.00
Benzo[a]anthracene		
Benzo[a]pyrene		
Benzo[b]fluoranthene		
Benzo[g,h,i]perylene		
Benzo[k]fluoranthene		
Benzyl alcohol		
Beryllium	<.500	<.500
beta-BHC		
bis (2-chloroisopropyl) ether		
Bis(2-chloroethoxy)methane		
Bis(2-chloroethyl)ether		
Bis(2-ethylhexyl)phthalate		
Bromochloromethane	<1.00	<1.00
Bromodichloromethane	<1.00	<1.00
Bromoform	<1.00	<1.00
Bromomethane	<1.000	<1.000
Butylbenzylphthalate		
Cadmium	<.200	<.200
Carbon Disulfide	<1.00	<1.00
Carbon Tetrachloride	<1.00	<1.00
Chlordane (technical)		
Chlorobenzene	<1.00	<1.00
Chlorobenzilate		
Chlorodibromomethane	<1.00	<1.00
Chloroethane	<1.00	<1.00
Chloroform	<1.00	<1.00
Chloromethane	<1.000	<1.000
Chloroprene		
Chromium	<1.000	<1.000
Chrysene		
cis-1,2-Dichloroethene	<1.00	<1.00
cis-1,3-Dichloropropene	<1.00	<1.00
Cobalt	34.700	14.100
Copper	<5.000	<5.000
Cyanide		
delta-BHC		
Diallate		
Dibenzo(a,h)anthracene		
Dibenzofuran		
Dibromomethane	<1.00	<1.00
Dichlorodifluoromethane		
Dieldrin		
Diethyl phthalate		
Dimethoate		
Dimethyl phthalate		
Di-n-butyl phthalate		
Di-n-octyl phthalate		
Dinoseb		
Diphenylamine		
Disulfoton		
Endosulfan I		
Endosulfan II		
Endosulfan Sulfate		
Endrin		
Endrin Aldehyde		
Ethyl Methacrylate		
Ethyl Methanesulfonate		
Ethyl Parathion		
Ethylbenzene	<1.00	<1.00
Famphur		
Fluoranthene		
Fluorene		
gamma-BHC (Lindane)		
Heptachlor		
Heptachlor Epoxide		
Hexachlorobenzene		
Hexachlorobutadiene		
Hexachlorocyclopentadiene		
Hexachloroethane		
Hexachloropropene		
Indeno[1,2,3-cd]pyrene		
Iodomethane	<1.0	<1.0
Iron	13100	4020

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

Table 9

Analytical Data Summary for MW-335

Constituents	Units	9/19/2012	3/27/2013	9/25/2013	4/15/2014	9/25/2014	3/11/2015	9/2/2015	3/22/2016
Isobutanol	ug/L								
Isodrin	ug/L								
Isophorone	ug/L								
Isosafrole	ug/L								
Kepone	ug/L								
Lead	ug/L	<4.000	<4.000	<4.000	<4.000	.913	.134	1.280	.374
m,p-Xylene	ug/L								
Mercury	ug/L								
Methacrylonitrile	ug/L								
Methapyrilene	ug/L								
Methoxychlor	ug/L								
Methyl Methacrylate	ug/L								
Methyl Methanesulfonate	ug/L								
Methyl Parathion	ug/L								
Methylene Chloride	ug/L	<5.000	<5.000	<5.000	<5.000	.617	<5.000	<5.000	<5.000
Methylphenol, 3 4	ug/L								
Naphthalene	ug/L								
Nickel	ug/L	50.4	35.0	40.7	93.3	51.2	60.9	46.8	35.0
Nitrobenzene	ug/L								
N-Nitrosodiethylamine	ug/L								
N-Nitrosodimethylamine	ug/L								
N-Nitrosodi-n-butylamine	ug/L								
N-Nitrosodi-n-propylamine	ug/L								
N-Nitrosodiphenylamine	ug/L								
N-Nitrosomethylethylamine	ug/L								
N-Nitrosopiperidine	ug/L								
N-Nitrosopyrrolidine	ug/L								
o,o,o-Triethylphosphorothioate	ug/L								
o-Toluidine	ug/L								
o-Xylene	ug/L								
PCB-1016	ug/L								
PCB-1221	ug/L								
PCB-1232	ug/L								
PCB-1242	ug/L								
PCB-1248	ug/L								
PCB-1254	ug/L								
PCB-1260	ug/L								
p-Dimethylamino azobenzene	ug/L								
Pentachlorobenzene	ug/L								
Pentachloronitrobenzene	ug/L								
Pentachlorophenol	ug/L								
pH	SU					6.26	6.26	6.37	6.35
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	ug/L	<5.000	<5.000	<5.000	<5.000	<3.340	<5.000	<5.000	.708
Silver	ug/L	<20.000	<20.000	<20.000	<40.000	<.042	<1.000	<1.000	<.153
Styrene	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00
Sulfate	mg/L					2810	3040	2580	2950
Sulfide	mg/L								
Tetrachloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00
Thallium	ug/L	<2.0000	<2.0000	<2.0000	<2.0000	<.0325	<1.0000	<1.0000	.0370
Thionazin	ug/L								
Tin	ug/L								
Toluene	ug/L								
Total Suspended Solids	mg/L					142.00	7.75	147.00	8.00
Toxaphene	ug/L								
trans-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.22	<5.00	<5.00	<5.00
trans-1,4-Dichloro-2-butene	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00	<10.00
Trichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00
Trichlorofluoromethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.17	<4.00	<4.00	<4.00
Vanadium	ug/L	<50.000	<50.000	<50.000	<100.000	.508	<5.000	<5.000	<.255
Vinyl Acetate	ug/L	<2.00	<2.00	<2.00	<2.00	<.74	<10.00	<10.00	<10.00
Vinyl Chloride	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00
Xylenes, Total	ug/L	<3.000	<3.000	<3.000	<3.000	<.130	<3.000	<3.000	<3.000
Zinc	ug/L	77.2	138.0	251.0	<40.0	67.4	66.2	63.4	59.8

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

Table 9

Analytical Data Summary for MW-335

Constituents	10/19/2016	3/7/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	11/7/2019	3/10/2020
Isobutanol									<.553
Isodrin									<.617
Isophorone									<1.05
Isosafrole									<.532
Kepon									<1.91
Lead	<.211	<.324	<.324	<1.300	<.186	<.270	<.270	<.270	<.270
m,p-Xylene									<.38
Mercury									<.1
Methacrylonitrile									<3.3
Methapyrilene									<2.02
Methoxychlor									<.00221
Methyl Methacrylate									<.76
Methyl Methanesulfonate									<.532
Methyl Parathion									<.798
Methylene Chloride	.260	<.170	<.170	<.170	<1.700	<1.700	<1.700		<1.700
Methylphenol, 3 4									<.809
Naphthalene									<.3
Nickel	121.0	161.0	92.9	115.0	80.9	41.9	300.0	252.0	151.0
Nitrobenzene									<1.17
N-Nitrosodiethylamine									<.532
N-Nitrosodimethylamine									<.968
N-Nitrosodi-n-butylamine									<.532
N-Nitrosodi-n-propylamine									<1.06
N-Nitrosodiphenylamine									<1.01
N-Nitrosomethylethylamine									<1.38
N-Nitrosopiperidine									<.532
N-Nitrosopyrrolidine									<.532
o,o,o-Triethylphosphorothioate									<.532
o-Toluidine									<.713
o-Xylene									<.4
PCB-1016									<.274
PCB-1221									<.274
PCB-1232									<.274
PCB-1242									<.274
PCB-1248									<.221
PCB-1254									<.221
PCB-1260									<.221
p-Dimethylamino azobenzene									<.83
Pentachlorobenzene									<.617
Pentachloronitrobenzene									<.532
Pentachlorophenol									<2.45
pH	6.06	6.12	6.19	6.22	6.28	6.33	6.02		6.06
Phenacetin									<1.91
Phenanthrene									<1.17
Phenol									<2.55
Phorate									<.532
Pronamide									<.532
Propionitrile									<3.4
Pyrene									<1.49
Safrole									<.532
Selenium	<.630	<.928	<.928	<3.710	<.982	<1.000	<2.000	<1.000	<1.000
Silver	<.153	<.140	<.140	<.560	<.115	<.370	<.370	<.370	<.370
Styrene	<.10	<.10	<.10	<.10	<.37	<.37	<.37		<.37
Sulfate	3120	3160	3050	2820	3070	2730	2930		2880
Sulfide									<.231
Tetrachloroethene	<.18	<.18	<.18	<.18	<.48	<.48	<.48		<.48
Thallium	.0310	<.0644	.0680	<.2580	<.5700	<.2700	<.2700	<.2700	<.2600
Thionazin									<.809
Tin									<2.4
Toluene					<.43	<.43	<.43		<.43
Total Suspended Solids	2.00	1.50	1.75	1.88	2.25	4.00	5.75	2.25	2.25
Toxaphene									<.0611
trans-1,2-Dichloroethene	<.21	<.21	<.21	<.21	<.27	<.27	<.27		<.27
trans-1,3-Dichloropropene	<.22	<.22	<.22	<.22	<.56	<.56	<.56		<.56
trans-1,4-Dichloro-2-butene	<.13	<.13	<.13	<.13	<1.10	<1.10	<1.10		<1.10
Trichloroethene	<.19	<.19	<.19	<.19	<.43	<.43	<.43		<.43
Trichlorofluoromethane	<.17	<.17	<.17	<.17	<.38	<.38	<.38		<.38
Vanadium	<.255	<.840	<.840	<3.360	<2.150	<.820	<1.640	<.820	<.820
Vinyl Acetate	<.74	<.74	<.74	<.74	<2.50	<2.50	<2.50		<2.50
Vinyl Chloride	<.10	<.10	<.10	<.10	<.60	<.60	<.18		<.18
Xylenes, Total	<.130	.173	<.130	<.130	<.400	<.400	<.400		<.400
Zinc	81.0	76.2	60.3	65.0	55.4	38.8	30.2	147.0	82.9

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

Table 9

Analytical Data Summary for MW-335

Constituents	9/16/2020	4/15/2021	10/27/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead	<.110	<.210	.490	1.190	<4.000	<4.000	<4.000	<4.000	<4.000
m,p-Xylene									
Mercury									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl Methacrylate									
Methyl Methanesulfonate									
Methyl Parathion									
Methylene Chloride	<1.700	<1.700	<1.700	<1.700	<5.000	<5.000	<5.000	<5.000	<5.000
Methylphenol, 3 4									
Naphthalene									
Nickel	<1.9	<1.9	149.0	48.8	37.0	106.0	38.9	39.4	55.7
Nitrobenzene									
N-Nitrosodiethylamine									
N-Nitrosodimethylamine									
N-Nitrosodi-n-butylamine									
N-Nitrosodi-n-propylamine									
N-Nitrosodiphenylamine									
N-Nitrosomethylethylamine									
N-Nitrosopiperidine									
N-Nitrosopyrrolidine									
o,o,o-Triethylphosphorothioate									
o-Toluidine									
o-Xylene									
PCB-1016									
PCB-1221									
PCB-1232									
PCB-1242									
PCB-1248									
PCB-1254									
PCB-1260									
p-Dimethylamino azobenzene									
Pentachlorobenzene									
Pentachloronitrobenzene									
Pentachlorophenol									
pH	6.94	7.24	6.10	6.53	6.20	6.30	6.20	6.20	6.00
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium	<1.000	<.960	<.960	<3.840	<4.000	<4.000	<4.000	<4.000	<4.000
Silver	<.370	<.420	<.420	<1.960	<4.000	<4.000	<4.000	<4.000	<4.000
Styrene	<.37	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00	<1.00
Sulfate	548	574	2870	2810	2610	2900	2650	2500	2620
Sulfide									
Tetrachloroethene	<.48	<.48	<.48	<.48	<1.00	<1.00	<1.00	<1.00	<1.00
Thallium	<.2600	<.2600	<.2600	<1.0400	<2.0000	<2.0000	<2.0000	<2.0000	<2.0000
Thionazin									
Tin									
Toluene	<.43	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00	<1.00
Total Suspended Solids	1.25	2.88	2.88	162.00					
Toxaphene									
trans-1,2-Dichloroethene	<.27	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<.56	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	<1.10	<1.10	<1.10	<1.10	<5.00	<5.00	<5.00	<5.00	<5.00
Trichloroethene	<.43	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	<.38	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00	<1.00
Vanadium	<.850	<1.100	<1.100	<4.400	<20.000	<20.000	<20.000	<20.000	<20.000
Vinyl Acetate	<2.50	<2.50	<2.50	<2.50	<5.00	<5.00	<5.00	<5.00	<5.00
Vinyl Chloride	<.18	<.18	<.18	<.18	<1.00	<1.00	<1.00	<1.00	<1.00
Xylenes, Total	<.400	<.400	<.400	<.400	<2.000	<2.000	<2.000	<2.000	<2.000
Zinc	11.2	<10.0	81.0	56.9	43.9	69.2	41.6	42.4	26.4

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

Table 9

Analytical Data Summary for MW-335

Constituents	3/25/2025	9/15/2025
Isobutanol		
Isodrin		
Isophorone		
Isosafrole		
Kepon		
Lead	<1.000	<1.000
m,p-Xylene		
Mercury		
Methacrylonitrile		
Methapyrilene		
Methoxychlor		
Methyl Methacrylate		
Methyl Methanesulfonate		
Methyl Parathion		
Methylene Chloride	<5.000	<5.000
Methylphenol, 3 4		
Naphthalene		
Nickel	44.4	36.3
Nitrobenzene		
N-Nitrosodiethylamine		
N-Nitrosodimethylamine		
N-Nitrosodi-n-butylamine		
N-Nitrosodi-n-propylamine		
N-Nitrosodiphenylamine		
N-Nitrosomethylethylamine		
N-Nitrosopiperidine		
N-Nitrosopyrrolidine		
o,o,o-Triethylphosphorothioate		
o-Toluidine		
o-Xylene		
PCB-1016		
PCB-1221		
PCB-1232		
PCB-1242		
PCB-1248		
PCB-1254		
PCB-1260		
p-Dimethylamino azobenzene		
Pentachlorobenzene		
Pentachloronitrobenzene		
Pentachlorophenol		
pH	6.20	6.40
Phenacetin		
Phenanthrene		
Phenol		
Phorate		
Pronamide		
Propionitrile		
Pyrene		
Safrole		
Selenium	<2.000	<2.000
Silver	<5.000	<5.000
Styrene	<1.00	<1.00
Sulfate	2370	2780
Sulfide		
Tetrachloroethene	<1.00	<1.00
Thallium	<.5000	<.5000
Thionazin		
Tin		
Toluene	<1.00	<1.00
Total Suspended Solids		
Toxaphene		
trans-1,2-Dichloroethene	<1.00	<1.00
trans-1,3-Dichloropropene	<1.00	<1.00
trans-1,4-Dichloro-2-butene	<5.00	<5.00
Trichloroethene	<1.00	<1.00
Trichlorofluoromethane	<1.00	<1.00
Vanadium	<2.000	<2.000
Vinyl Acetate	<5.00	<5.00
Vinyl Chloride	<1.00	<1.00
Xylenes, Total	<2.000	<2.000
Zinc	28.2	29.5

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

Table 9

Analytical Data Summary for MW-344

Constituents	Units	9/20/2012	3/27/2013	9/25/2013	4/15/2014	9/26/2014	3/12/2015	9/2/2015	3/23/2016
(3,4)-Methylphenol	ug/L								
1,1,1,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00
1,1-Dichloroethane	ug/L	<1.000	<1.000	<1.000	<1.000	<.210	<1.000	<1.000	<1.000
1,1-Dichloroethene	ug/L	<2.00	<2.00	<2.00	<2.00	<.15	<2.00	<2.00	<1.00
1,1-Dichloropropene	ug/L	<1.00		<1.00					
1,2,3-Trichloropropane	ug/L		<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<10.00
1,2,4,5-Tetrachlorobenzene	ug/L	<10.000		<11.200					
1,2,4-Trichlorobenzene	ug/L	<5.00		<5.00					
1,2-Dibromo-3-chloropropane	ug/L	<10.00	<10.00	<10.00	<10.00	<.12	<10.00	<10.00	<10.00
1,2-Dibromoethane	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00	<1.00
1,2-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.14	<1.00	<1.00	<1.00
1,2-Dichloroethane	ug/L	<1.000	<1.000	<1.000	<1.000	<.180	<1.000	<1.000	<2.000
1,2-Dichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.87	<1.00	<1.00	<10.00
1,2-Dinitrobenzene	ug/L								
1,3,5-Trinitrobenzene	ug/L	<10.00		<11.20					
1,3-Dichlorobenzene	ug/L	<1.0		<1.0					
1,3-Dichloropropane	ug/L	<1.0		<1.0					
1,3-Dinitrobenzene	ug/L	<10.00		<11.20					
1,4-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.20	<1.00	<1.00	<10.00
1,4-Naphthoquinone	ug/L	<10.000		<11.200					
1,4-phenylenediamine	ug/L								
1-Naphthylamine	ug/L	<10.000		<11.200					
2,2'-oxybis[1-Chloropropane]	ug/L	<10.0		<11.2					
2,2-Dichloropropane	ug/L	<4.00		<4.00					
2,3,4,6-Tetrachlorophenol	ug/L	<10.000		<11.200					
2,4,5-T	ug/L	<1.000		<1.150					
2,4,5-TP [Silvex]	ug/L	<1.000		<1.150					
2,4,5-Trichlorophenol	ug/L	<10.000		<11.200					
2,4,6-Trichlorophenol	ug/L	<10.000		<11.200					
2,4-D	ug/L	<1.000		<1.150					
2,4-Dichlorophenol	ug/L	<10.000		<11.200					
2,4-Dimethylphenol	ug/L	<10.000		<11.200					
2,4-Dinitrophenol	ug/L	<20.00		<22.50					
2,4-Dinitrotoluene	ug/L	<10.000		<11.200					
2,6-Dichlorophenol	ug/L	<10.000		<11.200					
2,6-Dinitrotoluene	ug/L	<10.000		<11.200					
2-Acetylaminofluorene	ug/L	<10.00		<11.20					
2-Butanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.47	<10.00	<10.00	<5.00
2-Chloronaphthalene	ug/L	<10.000		<11.200					
2-Chlorophenol	ug/L	<10.000		<11.200					
2-Hexanone	ug/L	<10.0	<10.0	<10.0	<10.0	<.2	<10.0	<10.0	<1.0
2-Methylnaphthalene	ug/L	<10.0		<11.2					
2-Methylphenol	ug/L								
2-Methylphenol [o-Cresol]	ug/L	<10.000		<11.200					
2-Naphthylamine	ug/L	<10.000		<11.200					
2-Nitroaniline	ug/L	<10.00		<11.20					
2-Nitrophenol	ug/L	<10.00		<11.20					
3,3'-Dichlorobenzidine	ug/L								
3,3-Dichlorobenzidine	ug/L	<10.000		<56.200					
3,3-Dimethylbenzidine	ug/L	<10.000		<11.200					
3-Methylcholanthrene	ug/L	<10.000		<11.200					
3-Nitroaniline	ug/L	<10.000		<11.200					
4,4'-DDD	ug/L	<.03200		<.03520					
4,4'-DDE	ug/L	<.03200		<.03520					
4,4'-DDT	ug/L	<.03200		<.03520					
4,6-Dinitro-2-methylphenol	ug/L	<10.00		<11.20					
4-Aminobiphenyl	ug/L	<10.000		<11.200					
4-Bromophenyl phenyl ether	ug/L	<10.000		<11.200					
4-Chloro-3-methylphenol	ug/L	<10.000		<11.200					
4-Chloroaniline	ug/L	<10.000		<11.200					
4-Chlorophenyl phenyl ether	ug/L	<10.000		<11.200					
4-Methyl-2-pentanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.22	<10.00	<10.00	<10.00
4-Nitroaniline	ug/L	<10.000		<11.200					
4-Nitrophenol	ug/L	<10.00		<11.20					
5-Nitro-o-toluidine	ug/L	<10.000		<11.200					
7,12-Dimethylbenz(a)anthracene	ug/L								
7,12-Dimethylbenz[a]anthracene	ug/L	<10.000		<11.200					
Acenaphthene	ug/L	<10.000		<11.200					
Acenaphthylene	ug/L								
Acetone	ug/L	<10.00	<10.00	<10.00	<10.00	<1.79	<10.00	<10.00	<10.00
Acetonitrile	ug/L	<10000		<10000					
Acetophenone	ug/L	<10.000		<11.200					
Acrolein	ug/L	<10.0		<10.0					
Acrylonitrile	ug/L	<10.00	<10.00	<10.00	<10.00	<.53	<10.00	<10.00	<.50

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

Table 9

Analytical Data Summary for MW-344

Constituents	10/19/2016	3/7/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	3/10/2020	9/15/2020
(3,4)-Methylphenol									
1,1,1,2-Tetrachloroethane	<.21	<.21	<.21	<.21	<.38	<.38	<.38	<.38	<.38
1,1,1-Trichloroethane	<.12	<.12	<.12	<.12	<.19	<.19	<.19	<.19	<.19
1,1,2,2-Tetrachloroethane	<.10	<.10	<.10	<.10	<.47	<.47	<.47	<.47	<.47
1,1,2-Trichloroethane	<.12	<.12	<.12	<.12	<.45	<.45	<.45	<.45	<.45
1,1-Dichloroethane	<.210	.290	.475	.474	<.220	<.220	<.220	<.220	.408
1,1-Dichloroethene	<.15	<.15	<.15	<.15	<.56	<.56	<.56	<.56	<.56
1,1-Dichloropropene					<.43				
1,2,3-Trichloropropane	<.19	<.19	<.19	<.19	<.59	<.59	<.59	<.59	<.59
1,2,4,5-Tetrachlorobenzene					<.147				
1,2,4-Trichlorobenzene					<.75				
1,2-Dibromo-3-chloropropane	<.50	<.50	<.50	<.50	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dibromoethane	<.13	<.13	<.13	<.13	<.34	<.34	<.34	<.34	<.34
1,2-Dichlorobenzene	<.14	<.14	<.14	<.14	<.37	<.37	<.37	<.37	<.37
1,2-Dichloroethane	<.180	<.180	.207	<.180	<.390	<.390	<.390	<.390	<.390
1,2-Dichloropropane	<.87	<.87	<.87	<.87	<.27	<.27	<.27	<.27	<.27
1,2-Dinitrobenzene									
1,3,5-Trinitrobenzene					<1.35				
1,3-Dichlorobenzene					<.3				
1,3-Dichloropropane					<.4				
1,3-Dinitrobenzene					<1.06				
1,4-Dichlorobenzene	<.20	<.20	<.20	<.20	<.23	<.23	<.23	<.23	<.23
1,4-Naphthoquinone					<.379				
1,4-phenylenediamine					<8.84				
1-Naphthylamine					<.253				
2,2'-oxybis[1-Chloropropane]									
2,2-Dichloropropane					<.69				
2,3,4,6-Tetrachlorophenol					<.526				
2,4,5-T					<.473				
2,4,5-TP [Silvex]					<.316				
2,4,5-Trichlorophenol					<.737				
2,4,6-Trichlorophenol					<.737				
2,4-D					<.508				
2,4-Dichlorophenol					<.326				
2,4-Dimethylphenol					<.221				
2,4-Dinitrophenol					<2.72				
2,4-Dinitrotoluene					<.484				
2,6-Dichlorophenol					<.232				
2,6-Dinitrotoluene					<.253				
2-Acetylaminofluorene					<1.31				
2-Butanone	<1.04	<1.04	<1.04	<1.04	<2.10	<2.10	<2.10	<2.10	<2.10
2-Chloronaphthalene					<.242				
2-Chlorophenol					<.158				
2-Hexanone	<.2	<.2	<.2	<.2	<2.0	<2.0	<2.0	<2.0	<2.0
2-Methylnaphthalene					<.2				
2-Methylphenol									
2-Methylphenol [o-Cresol]					<.189				
2-Naphthylamine					<.232				
2-Nitroaniline					<1.31				
2-Nitrophenol					<1.01				
3,3'-Dichlorobenzidine									
3,3-Dichlorobenzidine					<.853				
3,3-Dimethylbenzidine					<.221				
3-Methylcholanthrene					<.937				
3-Nitroaniline					<.611				
4,4'-DDD					<.00196				
4,4'-DDE					<.00228				
4,4'-DDT					<.00413				
4,6-Dinitro-2-methylphenol					<2.34				
4-Aminobiphenyl					<.316				
4-Bromophenyl phenyl ether					<.305				
4-Chloro-3-methylphenol					<.274				
4-Chloroaniline					<.158				
4-Chlorophenyl phenyl ether					<.263				
4-Methyl-2-pentanone	<.22	<.22	<.22	<.22	<2.10	<2.10	<2.10	<2.10	<2.10
4-Nitroaniline					<.337				
4-Nitrophenol					<1.45				
5-Nitro-o-toluidine					<.179				
7,12-Dimethylbenz(a)anthracene									
7,12-Dimethylbenz[a]anthracene					<.263				
Acenaphthene					<.316				
Acenaphthylene					<.611				
Acetone	<1.79	<1.79	<1.79	3.22	<3.10	3.61	<3.10	<3.10	<3.10
Acetonitrile					<126				
Acetophenone					<.368				
Acrolein					<3.6				
Acrylonitrile	<.53	<.53	<.53	<.53	<2.20	<2.20	<2.20	<2.20	<2.20

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

Table 9

Analytical Data Summary for MW-344

Constituents	4/15/2021	10/27/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025
(3,4)-Methylphenol						<8			
1,1,1,2-Tetrachloroethane	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<.19	<.19	<.19	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<.47	<.47	<.47	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	.345	<.220	<.220	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000
1,1-Dichloroethene	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloropropene						<1.00			
1,2,3-Trichloropropane	<.59	<.59	<.59	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene						<8.000			
1,2,4-Trichlorobenzene						<1.00			
1,2-Dibromo-3-chloropropane	<1.20	<1.20	<1.20	<5.00	<5.00	<1.00	<5.00	<5.00	<5.00
1,2-Dibromoethane	<.34	<.34	<.34	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	<.390	<.390	<.390	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000
1,2-Dichloropropane	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dinitrobenzene						<8			
1,3,5-Trinitrobenzene						<8.00			
1,3-Dichlorobenzene						<1.0			
1,3-Dichloropropane						<1.0			
1,3-Dinitrobenzene						<8.00			
1,4-Dichlorobenzene	<.23	<.23	<.23	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,4-Naphthoquinone						<8.000			
1,4-phenylenediamine						<8.00			
1-Naphthylamine						<8.000			
2,2'-oxybis[1-Chloropropane]									
2,2-Dichloropropane						<1.00			
2,3,4,6-Tetrachlorophenol						<8.000			
2,4,5-T						<.500			
2,4,5-TP [Silvex]						<.500			
2,4,5-Trichlorophenol						<8.000			
2,4,6-Trichlorophenol						<8.000			
2,4-D						<2.000			
2,4-Dichlorophenol						<8.000			
2,4-Dimethylphenol						<8.000			
2,4-Dinitrophenol						<8.00			
2,4-Dinitrotoluene						<8.000			
2,6-Dichlorophenol						<8.000			
2,6-Dinitrotoluene						<8.000			
2-Acetylaminofluorene						<8.00			
2-Butanone	<2.10	<2.10	<2.10	<10.00	<10.00	<5.00	<10.00	<10.00	<10.00
2-Chloronaphthalene						<8.000			
2-Chlorophenol						<8.000			
2-Hexanone	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Methylnaphthalene						<8.0			
2-Methylphenol						<8			
2-Methylphenol [o-Cresol]									
2-Naphthylamine						<8.000			
2-Nitroaniline						<8.00			
2-Nitrophenol						<8.00			
3,3'-Dichlorobenzidine						<8			
3,3-Dichlorobenzidine									
3,3-Dimethylbenzidine						<8.000			
3-Methylcholanthrene						<8.000			
3-Nitroaniline						<8.000			
4,4'-DDD						<.05000			
4,4'-DDE						<.05000			
4,4'-DDT						<.05000			
4,6-Dinitro-2-methylphenol						<8.00			
4-Aminobiphenyl						<8.000			
4-Bromophenyl phenyl ether						<8.000			
4-Chloro-3-methylphenol						<8.000			
4-Chloroaniline						<8.000			
4-Chlorophenyl phenyl ether						<8.000			
4-Methyl-2-pentanone	<2.10	<2.10	<2.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
4-Nitroaniline						<8.000			
4-Nitrophenol						<8.00			
5-Nitro-o-toluidine						<8.000			
7,12-Dimethylbenz(a)anthracene						<8			
7,12-Dimethylbenz[a]anthracene									
Acenaphthene						<8.000			
Acenaphthylene						<8.000			
Acetone	<3.10	<3.10	<3.10	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Acetonitrile						<10			
Acetophenone						<8.000			
Acrolein						<10.0			
Acrylonitrile	<2.20	<2.20	<2.20	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00

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

Table 9

Analytical Data Summary for MW-344

Constituents	9/15/2025
(3,4)-Methylphenol	
1,1,1,2-Tetrachloroethane	<1.00
1,1,1-Trichloroethane	<1.00
1,1,2,2-Tetrachloroethane	<1.00
1,1,2-Trichloroethane	<1.00
1,1-Dichloroethane	<1.000
1,1-Dichloroethene	<1.00
1,1-Dichloropropene	
1,2,3-Trichloropropane	<1.00
1,2,4,5-Tetrachlorobenzene	
1,2,4-Trichlorobenzene	
1,2-Dibromo-3-chloropropane	<5.00
1,2-Dibromoethane	<1.00
1,2-Dichlorobenzene	<1.00
1,2-Dichloroethane	<1.000
1,2-Dichloropropane	<1.00
1,2-Dinitrobenzene	
1,3,5-Trinitrobenzene	
1,3-Dichlorobenzene	
1,3-Dichloropropane	
1,3-Dinitrobenzene	
1,4-Dichlorobenzene	<1.00
1,4-Naphthoquinone	
1,4-phenylenediamine	
1-Naphthylamine	
2,2'-oxybis[1-Chloropropane]	
2,2-Dichloropropane	
2,3,4,6-Tetrachlorophenol	
2,4,5-T	
2,4,5-TP [Silvex]	
2,4,5-Trichlorophenol	
2,4,6-Trichlorophenol	
2,4-D	
2,4-Dichlorophenol	
2,4-Dimethylphenol	
2,4-Dinitrophenol	
2,4-Dinitrotoluene	
2,6-Dichlorophenol	
2,6-Dinitrotoluene	
2-Acetylaminofluorene	
2-Butanone	<10.00
2-Chloronaphthalene	
2-Chlorophenol	
2-Hexanone	<5.0
2-Methylnaphthalene	
2-Methylphenol	
2-Methylphenol [o-Cresol]	
2-Naphthylamine	
2-Nitroaniline	
2-Nitrophenol	
3,3'-Dichlorobenzidine	
3,3-Dichlorobenzidine	
3,3-Dimethylbenzidine	
3-Methylcholanthrene	
3-Nitroaniline	
4,4'-DDD	
4,4'-DDE	
4,4'-DDT	
4,6-Dinitro-2-methylphenol	
4-Aminobiphenyl	
4-Bromophenyl phenyl ether	
4-Chloro-3-methylphenol	
4-Chloroaniline	
4-Chlorophenyl phenyl ether	
4-Methyl-2-pentanone	<5.00
4-Nitroaniline	
4-Nitrophenol	
5-Nitro-o-toluidine	
7,12-Dimethylbenz(a)anthracene	
7,12-Dimethylbenz[a]anthracene	
Acenaphthene	
Acenaphthylene	
Acetone	<10.00
Acetonitrile	
Acetophenone	
Acrolein	
Acrylonitrile	<5.00

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

Table 9

Analytical Data Summary for MW-344

Constituents	Units	9/20/2012	3/27/2013	9/25/2013	4/15/2014	9/26/2014	3/12/2015	9/2/2015	3/23/2016
Aldrin	ug/L	<.03200		<.03520					
Alkalinity as CaCO3	mg/L					175	184	170	165
Allyl Chloride	ug/L	<20.0		<2.0					
alpha-BHC	ug/L	<.03200		<.03520					
Aluminum	ug/L					33.0	19.3	<50.0	51.3
Anthracene	ug/L	<10.000		<11.200					
Antimony	ug/L	<6.000	<6.000	3.660	5.020	<.161	<1.000	<1.000	<.237
Arsenic	ug/L	<4.000	<1.000	<2.000	<1.000	<.945	1.050	<2.000	2.100
Azobenzene	ug/L								
Barium	ug/L	23.20	20.60	11.90	8.72	17.80	17.00	17.50	14.90
Benzene	ug/L	<.500	<.500	.215	.268	.198	.281	<.500	<5.000
Benzo[a]anthracene	ug/L	<10.000		<11.200					
Benzo[a]pyrene	ug/L	<10.00		<11.20					
Benzo[b]fluoranthene	ug/L	<10.00		<11.20					
Benzo[ghi]perylene	ug/L	<10.00		<11.20					
Benzo[k]fluoranthene	ug/L	<10.0		<11.2					
Benzyl alcohol	ug/L	<10.000		<11.200					
Beryllium	ug/L	<1.000	<1.000	<1.000	<1.000	.212	<1.000	<1.000	<.221
beta-BHC	ug/L	<.03200		<.03520					
bis (2-chloroisopropyl) ether	ug/L								
Bis(2-chloroethoxy)methane	ug/L	<10.000		<11.200					
Bis(2-chloroethyl)ether	ug/L	<10.0		<11.2					
Bis(2-ethylhexyl)phthalate	ug/L	<10.00		<11.20					
Bis[2-Chloroisopropyl]ether	ug/L								
Bromochloromethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.12	<5.00	<5.00	<1.00
Bromodichloromethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<5.00
Bromoform	ug/L	<5.00	<5.00	<5.00	<5.00	<.14	<5.00	<5.00	<1.00
Bromomethane	ug/L	<20.00	<4.00	<4.00	<4.00	<.22	<4.00	<4.00	<1.00
Butylbenzylphthalate	ug/L	<10.00		<11.20					
Cadmium	ug/L	<.500	<.500	<.500	.117	.142	.143	<.500	.156
Carbon Disulfide	ug/L	<1.00	<1.00	<1.00	<1.00	<.15	<1.00	<1.00	<2.00
Carbon Tetrachloride	ug/L	<2.00	<2.00	<2.00	<2.00	<.24	<2.00	<2.00	<1.00
Chlordane	ug/L	<2.0000		<2.2000					
Chlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<4.00
Chlorobenzilate	ug/L	<10.000		<11.200					
Chlorodibromomethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.20	<5.00	<5.00	<10.00
Chloroethane	ug/L	<4.000	<4.000	.514	<4.000	<.150	<4.000	<4.000	<1.000
Chloroform	ug/L	<1.00	<1.00	<1.00	<1.00	<.28	<1.00	<1.00	<5.00
Chloromethane	ug/L	<3.00	<3.00	<3.00	<3.00	<.31	<3.00	<3.00	<4.00
Chloroprene	ug/L	<1.00		<1.00					
Chromium	ug/L	<20.000	<20.000	5.520	<20.000	<1.240	<5.000	<5.000	<.355
Chrysene	ug/L	<10.000		<11.200					
cis-1,2-Dichloroethene	ug/L	<1.000	.301	.976	1.300	.819	<1.000	1.140	1.120
cis-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.15	<5.00	<5.00	<1.00
Cobalt	ug/L	93.2	172.0	105.0	50.0	164.0	176.0	202.0	269.0
Copper	ug/L	<20.000	<20.000	<20.000	<20.000	<.485	<2.000	<2.000	<1.220
Cyanide	mg/L	<.0100		<.0100					
delta-BHC	ug/L	<.0320		<.0352					
Diallate	ug/L	<10.000		<11.200					
Dibenzo(a,h)anthracene	ug/L	<10.00		<11.20					
Dibenzofuran	ug/L	<10.000		<11.200					
Dibromomethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<10.00
Dichlorodifluoromethane	ug/L	<3.00		<3.00					
Dieldrin	ug/L	<.03200		<.03520					
Diethyl phthalate	ug/L	<10.000		<11.200					
Dimethoate	ug/L	<10.000		<11.200					
Dimethyl phthalate	ug/L	<10.00		<11.20					
Di-n-butyl phthalate	ug/L								
Di-n-butylphthalate	ug/L	<10.00		<11.20					
Di-n-octyl phthalate	ug/L								
Di-n-octylphthalate	ug/L	<10.00		<22.50					
Dinoseb	ug/L	<10.000		<11.200					
Diphenylamine	ug/L	<10.000		<11.200					
Disulfoton	ug/L	<10.000		<11.200					
Endosulfan I	ug/L	<.03200		<.03520					
Endosulfan II	ug/L	<.03200		<.03520					
Endosulfan Sulfate	ug/L	<.03200		<.03520					
Endrin	ug/L	<.03200		<.03520					
Endrin Aldehyde	ug/L	<.03200		<.03520					
Ethyl Methacrylate	ug/L	<2.00		<2.00					
Ethyl Methanesulfonate	ug/L	<10.000		<11.200					
Ethyl Parathion	ug/L								
Ethylbenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<3.00
Famphur	ug/L	<20.000		<22.500					
Fluoranthene	ug/L	<10.000		<11.200					
Fluorene	ug/L	<10.000		<11.200					
gamma-BHC (Lindane)	ug/L	<.0320		<.0352					

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

Table 9

Analytical Data Summary for MW-344

Constituents	10/19/2016	3/7/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	3/10/2020	9/15/2020
Aldrin					<.00489				
Alkalinity as CaCO3	232	221	237	198	206	175	371	153	194
Allyl Chloride					<.7				
alpha-BHC					<.00185				
Aluminum	<20.8	<41.3	<41.3	<165.0	25.1	<27.0	184.0	<30.0	28.6
Anthracene					<.179				
Antimony	<.237	<.185	<.185	<.740	<1.320	<.530	<.530	<.580	<.510
Arsenic	<.672	.739	.715	<2.020	1.450	<.750	1.040	<.880	1.810
Azobenzene									
Barium	13.40	15.50	13.30	13.70	13.20	10.70	12.30	10.00	11.80
Benzene	.594	.543	.894	.715	.732	<.220	.541	<.220	.836
Benzo[a]anthracene					<.358				
Benzo[a]pyrene					<1.34				
Benzo[b]fluoranthene					<1.05				
Benzo[ghi]perylene					<1.39				
Benzo[k]fluoranthene					<.6				
Benzyl alcohol					<.632				
Beryllium	<.221	<.125	<.125	<.500	<.530	<.270	.401	<.270	<.270
beta-BHC					<.00522				
bis (2-chloroisopropyl) ether					<.189				
Bis(2-chloroethoxy)methane					<.274				
Bis(2-chloroethyl)ether					<.2				
Bis(2-ethylhexyl)phthalate					<2.44				
Bis[2-Chloroisopropyl]ether									
Bromochloromethane	<.12	<.12	<.12	<.12	<.54	<.54	<.54	<.54	<.54
Bromodichloromethane	<.12	<.12	<.12	<.12	<.39	<.39	<.39	<.39	<.39
Bromoform	<.14	<.14	<.14	<.14	<.78	<.78	<.78	<.78	<.78
Bromomethane	<.22	<.22	<.22	<.22	<1.10	<1.10	<1.10	<1.10	<1.10
Butylbenzylphthalate					<1.61				
Cadmium	.094	.125	.077	<.176	.302	.085	.421	.055	.061
Carbon Disulfide	<.15	<.15	<.15	<.15	<.45	<.45	<.45	<.45	<.45
Carbon Tetrachloride	<.24	<.24	<.24	<.24	<.65	<.65	<.65	<.65	<.65
Chlordane					<.0696				
Chlorobenzene	<.19	<.19	<.19	<.19	<.40	<.40	<.40	<.40	<.40
Chlorobenzilate					<.221				
Chlorodibromomethane	<.20	<.20	<.20	<.20	<.75	<.75	<.75	<.75	<.75
Chloroethane	<.150	<.150	.462	<.150	<.790	<.790	<.790	<.790	<.790
Chloroform	<.28	<.28	<.28	<.28	<1.30	<1.30	<1.30	<1.30	<1.30
Chloromethane	<.31	<.31	<.31	<.31	<.61	<.61	<.61	<.61	<.61
Chloroprene					<.23				
Chromium	<.355	<.729	<.729	<2.920	1.360	<.980	<.980	<1.100	<1.100
Chrysene					<.326				
cis-1,2-Dichloroethene	2.040	1.820	2.480	2.240	1.900	1.180	1.820	1.360	2.440
cis-1,3-Dichloropropene	<.15	<.15	<.15	<.15	<.25	<.25	<.25	<.25	<.25
Cobalt	57.6	107.0	21.8	114.0	198.0	128.0	146.0	206.0	263.0
Copper	<1.220	<2.190	<2.190	<8.760	<.497	<2.000	<2.000	<3.200	<1.500
Cyanide					<.0042				
delta-BHC					.0029				
Diallate					<.242				
Dibenzo(a,h)anthracene					<1.93				
Dibenzofuran					<.253				
Dibromomethane	<.18	<.18	<.18	<.18	<.33	<.33	<.33	<.33	<.33
Dichlorodifluoromethane					<.25				
Dieldrin					<.00217				
Diethyl phthalate					<.284				
Dimethoate					<.284				
Dimethyl phthalate					<2.31				
Di-n-butyl phthalate									
Di-n-butylphthalate					<1.21				
Di-n-octyl phthalate									
Di-n-octylphthalate					<2.79				
Dinoseb					<.453				
Diphenylamine					<.695				
Disulfoton					<.305				
Endosulfan I					.00217				
Endosulfan II					<.00207				
Endosulfan Sulfate					<.00272				
Endrin					.00264				
Endrin Aldehyde					<.00793				
Ethyl Methacrylate					<.68				
Ethyl Methanesulfonate					<.158				
Ethyl Parathion					<.189				
Ethylbenzene	<.21	<.21	<.21	<.21	<.31	<.31	<.31	<.31	<.31
Famphur					<.495				
Fluoranthene					<.716				
Fluorene					<.305				
gamma-BHC (Lindane)					.0022				

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

Table 9

Analytical Data Summary for MW-344

Constituents	4/15/2021	10/27/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025
Aldrin						<.05000			
Alkalinity as CaCO3	188	209	196	200	197	219	1050	214	200
Allyl Chloride						<1.0			
alpha-BHC						<.05000			
Aluminum	47.7	54.7	<68.0	<100.0	77.0	110.0	85.0	57.0	180.0
Anthracene						<8.000			
Antimony	<1.100	<1.100	<2.760	<2.000	<2.000	<2.000	<2.000	<2.000	<1.000
Arsenic	2.590	3.050	<3.000	<4.000	<4.000	<4.000	<4.000	<4.000	<2.000
Azobenzene						<8			
Barium	12.70	12.50	11.00	11.90	11.70	12.20	10.60	12.00	12.60
Benzene	.722	.918	.390	<1.000	<1.000	1.100	<1.000	<1.000	<1.000
Benzo[a]anthracene						<8.000			
Benzo[a]pyrene						<8.00			
Benzo[b]fluoranthene						<8.00			
Benzo[ghi]perylene						<8.00			
Benzo[k]fluoranthene						<8.0			
Benzyl alcohol						<8.000			
Beryllium	<.270	<.270	<1.080	<4.000	<4.000	<4.000	<4.000	<4.000	<.500
beta-BHC						<.05000			
bis (2-chloroisopropyl) ether									
Bis(2-chloroethoxy)methane						<8.000			
Bis(2-chloroethyl)ether						<8.0			
Bis(2-ethylhexyl)phthalate						<6.00			
Bis[2-Chloroisopropyl]ether						<8			
Bromochloromethane	<.54	<.54	<.54	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromoform	<.78	<.78	<.78	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromomethane	<1.10	<1.10	<1.10	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Butylbenzylphthalate						<8.00			
Cadmium	<.051	.066	<.220	<.800	<.800	<.800	<.800	<.800	<.200
Carbon Disulfide	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Carbon Tetrachloride	<.65	<.65	<.65	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlordane						<.1000			
Chlorobenzene	<.40	<.40	<.40	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlorobenzilate						<8.000			
Chlorodibromomethane	<.75	<.75	<.75	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroethane	<.790	<.790	<.790	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000
Chloroform	<1.30	<1.30	<1.30	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloromethane	<.61	<.61	<.61	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroprene						<1.00			
Chromium	<1.100	<1.100	<4.400	<8.000	<8.000	<8.000	<8.000	<8.000	1.100
Chrysene						<8.000			
cis-1,2-Dichloroethene	2.020	2.180	1.270	1.900	<1.000	2.400	1.100	1.800	1.600
cis-1,3-Dichloropropene	<.25	<.25	<.25	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Cobalt	258.0	223.0	310.0	224.0	209.0	151.0	148.0	201.0	220.0
Copper	<1.400	<1.400	<7.200	<4.000	<4.000	<4.000	<4.000	<4.000	<5.000
Cyanide						<.0050			
delta-BHC						<.0500			
Diallate						<8.000			
Dibenzo(a,h)anthracene						<8.00			
Dibenzofuran						<8.000			
Dibromomethane	<.33	<.33	<.33	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Dichlorodifluoromethane						<1.00			
Dieldrin						<.05000			
Diethyl phthalate						<8.000			
Dimethoate						<.400			
Dimethyl phthalate						<8.00			
Di-n-butyl phthalate						<8			
Di-n-butylphthalate									
Di-n-octyl phthalate						<8			
Di-n-octylphthalate									
Dinoseb						<.500			
Diphenylamine						<8.000			
Disulfoton						<.400			
Endosulfan I						<.05000			
Endosulfan II						<.05000			
Endosulfan Sulfate						<.05000			
Endrin						<.05000			
Endrin Aldehyde						<.05000			
Ethyl Methacrylate						<10.00			
Ethyl Methanesulfonate						<8.000			
Ethyl Parathion									
Ethylbenzene	<.31	<.31	<.31	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Famphur						<.400			
Fluoranthene						<8.000			
Fluorene						<8.000			
gamma-BHC (Lindane)						<.0500			

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

Table 9

Analytical Data Summary for MW-344

Constituents	9/15/2025
Aldrin	
Alkalinity as CaCO3	227
Allyl Chloride	
alpha-BHC	
Aluminum	<50.0
Anthracene	
Antimony	<1.000
Arsenic	<2.000
Azobenzene	
Barium	12.50
Benzene	<1.000
Benzo[a]anthracene	
Benzo[a]pyrene	
Benzo[b]fluoranthene	
Benzo[ghi]perylene	
Benzo[k]fluoranthene	
Benzyl alcohol	
Beryllium	<.500
beta-BHC	
bis (2-chloroisopropyl) ether	
Bis(2-chloroethoxy)methane	
Bis(2-chloroethyl)ether	
Bis(2-ethylhexyl)phthalate	
Bis[2-Chloroisopropyl]ether	
Bromochloromethane	<1.00
Bromodichloromethane	<1.00
Bromoform	<1.00
Bromomethane	<1.00
Butylbenzylphthalate	
Cadmium	<.200
Carbon Disulfide	<1.00
Carbon Tetrachloride	<1.00
Chlordane	
Chlorobenzene	<1.00
Chlorobenzilate	
Chlorodibromomethane	<1.00
Chloroethane	<1.000
Chloroform	<1.00
Chloromethane	<1.00
Chloroprene	
Chromium	<1.000
Chrysene	
cis-1,2-Dichloroethene	1.600
cis-1,3-Dichloropropene	<1.00
Cobalt	167.0
Copper	<5.000
Cyanide	
delta-BHC	
Diallate	
Dibenzo(a,h)anthracene	
Dibenzofuran	
Dibromomethane	<1.00
Dichlorodifluoromethane	
Dieldrin	
Diethyl phthalate	
Dimethoate	
Dimethyl phthalate	
Di-n-butyl phthalate	
Di-n-butylphthalate	
Di-n-octyl phthalate	
Di-n-octylphthalate	
Dinoseb	
Diphenylamine	
Disulfoton	
Endosulfan I	
Endosulfan II	
Endosulfan Sulfate	
Endrin	
Endrin Aldehyde	
Ethyl Methacrylate	
Ethyl Methanesulfonate	
Ethyl Parathion	
Ethylbenzene	<1.00
Famphur	
Fluoranthene	
Fluorene	
gamma-BHC (Lindane)	

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Table 9

Analytical Data Summary for MW-344

Constituents	Units	9/20/2012	3/27/2013	9/25/2013	4/15/2014	9/26/2014	3/12/2015	9/2/2015	3/23/2016
Heptachlor	ug/L	<.03200		<.03520					
Heptachlor Epoxide	ug/L	<.03200		<.03520					
Hexachlorobenzene	ug/L	<10.000		<11.200					
Hexachlorobutadiene	ug/L	<10.000		<11.200					
Hexachlorocyclopentadiene	ug/L	<10.00		<22.50					
Hexachloroethane	ug/L	<10.000		<11.200					
Hexachloropropene	ug/L	<10.00		<11.20					
Indeno[1,2,3-cd]pyrene	ug/L	<10.00		<11.20					
Iodomethane	ug/L	<10.0	<10.0	<10.0	<10.0	<.8	<10.0	<10.0	<1.0
Iron	ug/L					7680.0	10800.0	23000.0	32100.0
Isobutanol	ug/L	<10000		<10000					
Isodrin	ug/L	<10.0		<11.2					
Isophorone	ug/L	<10.000		<11.200					
Isosafrole	ug/L	<10.000		<11.200					
Kepon	ug/L	<10.000		<11.200					
Lead	ug/L	<4.0000	<4.0000	<4.0000	<4.0000	<.0967	<.5000	<.5000	.2710
m,p-Xylene	ug/L								
Mercury	ug/L	<.2670		<.2000					
Methacrylonitrile	ug/L	<1.0		<1.0					
Methapyrilene	ug/L	<10.00		<11.20					
Methoxychlor	ug/L	<.03200		<.03520					
Methyl Methacrylate	ug/L	<2.00		<2.00					
Methyl Methanesulfonate	ug/L	<10.000		<11.200					
Methyl Parathion	ug/L	<10.000		<11.200					
Methylene Chloride	ug/L	<5.000	<5.000	<5.000	<5.000	<.170	<5.000	<5.000	<10.000
Methylphenol, 3 4	ug/L								
Naphthalene	ug/L	<5		<5					
Nickel	ug/L	84.2	164.0	110.0	51.3	131.0	107.0	152.0	202.0
Nitrobenzene	ug/L	<10.000		<11.200					
N-Nitrosodiethylamine	ug/L	<10.000		<11.200					
N-Nitrosodimethylamine	ug/L	<10.0		<11.2					
N-Nitrosodi-n-butylamine	ug/L	<10.000		<11.200					
N-Nitrosodi-n-propylamine	ug/L	<10.000		<11.200					
N-Nitrosodiphenylamine	ug/L	<10.000		<11.200					
N-Nitrosomethylethylamine	ug/L	<10.000		<11.200					
N-Nitrosopiperidine	ug/L	<10.000		<11.200					
N-Nitrosopyrrolidine	ug/L	<10.000		<11.200					
o,o,o-Triethylphosphorothioate	ug/L	<10.000		<11.200					
o-Toluidine	ug/L	<10.000		<11.200					
o-Xylene	ug/L								
p-[Dimethylamino]azobenzene	ug/L	<10.0		<11.2					
Parathion	ug/L	<10.0		<11.2					
PCB-1016	ug/L	<.8000		<.8890					
PCB-1221	ug/L	<.800		<.889					
PCB-1232	ug/L	<.800		<.889					
PCB-1242	ug/L	<.800		<.889					
PCB-1248	ug/L	<.800		<.889					
PCB-1254	ug/L	<.8000		<.8890					
PCB-1260	ug/L	<.8000		<.8890					
p-Dimethylamino azobenzene	ug/L								
Pentachlorobenzene	ug/L	<10.000		<11.200					
Pentachloronitrobenzene	ug/L	<10.000		<11.200					
Pentachlorophenol	ug/L	<10.00		<11.20					
pH	SU					5.75	5.76	5.80	5.77
Phenacetin	ug/L	<10.000		<11.200					
Phenanthrene	ug/L	<10.000		<11.200					
Phenol	ug/L	<10.00		<11.20					
Phorate	ug/L	<10.000		<11.200					
p-Phenylenediamine	ug/L	<10.0		<11.2					
Pronamide	ug/L	<10.000		<11.200					
Propionitrile	ug/L	<10.0		<10.0					
Pyrene	ug/L	<10.000		<11.200					
Safrole	ug/L	<10.000		<11.200					
Selenium	ug/L	<5.000	<5.000	<5.000	<5.000	<3.340	<5.000	<5.000	.801
Silver	ug/L	<20.000	<20.000	<20.000	<20.000	<.042	<1.000	<1.000	<.153
Styrene	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00
Sulfate	mg/L					2570	2790	2540	3120
Sulfide	mg/L	<1.000		<1.000					
Tetrachloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00
Thallium	ug/L	<2.0000	<2.0000	<2.0000	<2.0000	<.0325	<1.0000	<1.0000	<.0255
Thionazin	ug/L	<10.000		<11.200					
Tin	ug/L	<100.000		605.000	<100.000	93.500	81.500	<200.000	<.255
Toluene	ug/L								
Total Suspended Solids	mg/L					2.430	<5.000	3.670	17.000
Toxaphene	ug/L	<2.000		<2.200					
trans-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<5.00
trans-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.22	<5.00	<5.00	<5.00

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

Table 9

Analytical Data Summary for MW-344

Constituents	10/19/2016	3/7/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	3/10/2020	9/15/2020
Heptachlor					<.00283				
Heptachlor Epoxide					<.00663				
Hexachlorobenzene					<.284				
Hexachlorobutadiene					<.179				
Hexachlorocyclopentadiene					<.1.99				
Hexachloroethane					<.147				
Hexachloropropene					<.1.73				
Indeno[1,2,3-cd]pyrene					<.1.55				
Iodomethane	<.8	<.8	<.8	<.8	<.7.0	<.7.0	<.7.0	<.7.0	<.7.0
Iron	6280.0	8830.0	3200.0	7750.0	14600.0	74.7	8830.0	659.0	20100.0
Isobutanol					<.177				
Isodrin					<.4				
Isophorone					<.232				
Isosafrole					<.189				
Kepon					<.253				
Lead	<.2110	<.3240	<.3240	<.1.3000	.3370	<.2700	<.2700	<.2700	<.1100
m,p-Xylene					<.38				
Mercury					<.0984				
Methacrylonitrile					<.3				
Methapyrilene					<.1.43				
Methoxychlor					<.00228				
Methyl Methacrylate					<.76				
Methyl Methanesulfonate					<.147				
Methyl Parathion					<.158				
Methylene Chloride	.251	<.170	<.170	<.170	<.1.700	<.1.700	<.1.700	<.1.700	<.1.700
Methylphenol, 3 4					<.189				
Naphthalene					<.3				
Nickel	44.2	89.1	21.5	82.9	133.0	91.0	278.0	156.0	205.0
Nitrobenzene					<.316				
N-Nitrosodiethylamine					<.316				
N-Nitrosodimethylamine					<.2				
N-Nitrosodi-n-butylamine					<.305				
N-Nitrosodi-n-propylamine					<.274				
N-Nitrosodiphenylamine					<.695				
N-Nitrosomethylethylamine					<.211				
N-Nitrosopiperidine					<.158				
N-Nitrosopyrrolidine					<.242				
o,o,o-Triethylphosphorothioate					<.253				
o-Toluidine					<.189				
o-Xylene					<.4				
p-[Dimethylamino]azobenzene									
Parathion									
PCB-1016					<.0467				
PCB-1221					<.172				
PCB-1232					<.118				
PCB-1242					<.140				
PCB-1248					<.118				
PCB-1254					<.0989				
PCB-1260					<.0473				
p-Dimethylamino azobenzene					<.253				
Pentachlorobenzene					<.232				
Pentachloronitrobenzene					<.347				
Pentachlorophenol					<.2.44				
pH	5.82	5.84	5.90	5.89	5.98	6.08	5.77	5.91	5.90
Phenacetin					<.589				
Phenanthrene					<.632				
Phenol					<.2.53				
Phorate					<.179				
p-Phenylenediamine									
Pronamide					<.274				
Propionitrile					<.3.4				
Pyrene					<.274				
Safrole					<.211				
Selenium	<.630	<.928	<.928	<.3.710	1.060	<.1.000	<.1.000	<.1.000	<.1.000
Silver	<.153	<.140	<.140	<.560	<.115	<.370	<.370	<.370	<.370
Styrene	<.10	<.10	<.10	<.10	<.37	<.37	<.37	<.37	<.37
Sulfate	2730	1950	1800	2060	2030	2040	2650	2490	2370
Sulfide					<.231				
Tetrachloroethene	<.18	<.18	<.18	<.18	<.48	<.48	<.48	<.48	<.48
Thallium	.0410	<.0644	<.0644	<.2580	<.5700	<.2700	<.2700	<.2600	<.2600
Thionazin					<.326				
Tin	<.832		<.1.620	<.6.480	<.1.300	<.1.800			
Toluene					<.43	<.43	<.43	<.43	<.43
Total Suspended Solids	3.500	2.750	4.880	2.000	3.130	.875	3.000	4.880	6.380
Toxaphene					<.063				
trans-1,2-Dichloroethene	<.21	<.21	<.21	<.21	<.27	<.27	<.27	<.27	<.27
trans-1,3-Dichloropropene	<.22	<.22	<.22	<.22	<.56	<.56	<.56	<.56	<.56

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

Table 9

Analytical Data Summary for MW-344

Constituents	4/15/2021	10/27/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025
Heptachlor						<.05000			
Heptachlor Epoxide						<.05000			
Hexachlorobenzene						<.050			
Hexachlorobutadiene						<8.000			
Hexachlorocyclopentadiene						<8.00			
Hexachloroethane						<8.000			
Hexachloropropene						<8.00			
Indeno[1,2,3-cd]pyrene						<8.00			
Iodomethane	<7.0	<7.0	<7.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0
Iron	20500.0	20500.0	23600.0	4530.0	11600.0	8330.0	6170.0	1840.0	14900.0
Isobutanol						<1000			
Isodrin						<8.0			
Isophorone						<8.000			
Isosafrole						<8.000			
Kepona						<8.000			
Lead	.2960	.7260	<.9600	<4.0000	<4.0000	<4.0000	<4.0000	<4.0000	<1.0000
m,p-Xylene									
Mercury						<.5000			
Methacrylonitrile						<1.0			
Methapyrilene						<8.00			
Methoxychlor						<.05000			
Methyl Methacrylate						<1.00			
Methyl Methanesulfonate						<8.000			
Methyl Parathion						<.400			
Methylene Chloride	<1.700	<1.700	<1.700	<5.000	<5.000	<5.000	<5.000	<5.000	<5.000
Methylphenol, 3 4									
Naphthalene						<8			
Nickel	214.0	189.0	267.0	178.0	165.0	124.0	108.0	147.0	147.0
Nitrobenzene						<8.000			
N-Nitrosodiethylamine						<8.000			
N-Nitrosodimethylamine						<8.0			
N-Nitrosodi-n-butylamine						<8.000			
N-Nitrosodi-n-propylamine						<8.000			
N-Nitrosodiphenylamine						<8.000			
N-Nitrosomethylethylamine						<8.000			
N-Nitrosopiperidine						<8.000			
N-Nitrosopyrrolidine						<8.000			
o,o,o-Triethylphosphorothioate						<.400			
o-Toluidine						<8.000			
o-Xylene									
p-[Dimethylamino]azobenzene						<8.0			
Parathion						<.4			
PCB-1016						<.2000			
PCB-1221						<.200			
PCB-1232						<.200			
PCB-1242						<.200			
PCB-1248						<.200			
PCB-1254						<.2000			
PCB-1260						<.2000			
p-Dimethylamino azobenzene									
Pentachlorobenzene						<8.000			
Pentachloronitrobenzene						<8.000			
Pentachlorophenol						<8.00			
pH	5.83	5.89	5.93	5.80	6.00	5.80	6.10	5.70	5.70
Phenacetin						<8.000			
Phenanthrene						<8.000			
Phenol						<8.00			
Phorate						<.400			
p-Phenylenediamine									
Pronamide						<8.000			
Propionitrile						<10.0			
Pyrene						<8.000			
Safrole						<8.000			
Selenium	<.960	<.960	<3.840	<4.000	<4.000	<4.000	<4.000	<4.000	<2.000
Silver	<.420	<.420	<1.960	<4.000	<4.000	<4.000	<4.000	<4.000	<5.000
Styrene	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Sulfate	2410	2220	2620	2190	2150	2160	1750	2410	2180
Sulfide									
Tetrachloroethene	<.48	<.48	<.48	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Thallium	<.2600	<.2600	<1.0400	<2.0000	<2.0000	<2.0000	<2.0000	<2.0000	<.5000
Thionazin						<.400			
Tin						<20.000			
Toluene	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Total Suspended Solids	13.000	9.500	21.000						
Toxaphene						<.200			
trans-1,2-Dichloroethene	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00

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

Table 9

Analytical Data Summary for MW-344

Constituents	9/15/2025
Heptachlor	
Heptachlor Epoxide	
Hexachlorobenzene	
Hexachlorobutadiene	
Hexachlorocyclopentadiene	
Hexachloroethane	
Hexachloropropene	
Indeno[1,2,3-cd]pyrene	
Iodomethane	<1.0
Iron	17200.0
Isobutanol	
Isodrin	
Isophorone	
Isosafrole	
Kepon	
Lead	<1.0000
m,p-Xylene	
Mercury	
Methacrylonitrile	
Methapyrilene	
Methoxychlor	
Methyl Methacrylate	
Methyl Methanesulfonate	
Methyl Parathion	
Methylene Chloride	<5.000
Methylphenol, 3 4	
Naphthalene	
Nickel	136.0
Nitrobenzene	
N-Nitrosodiethylamine	
N-Nitrosodimethylamine	
N-Nitrosodi-n-butylamine	
N-Nitrosodi-n-propylamine	
N-Nitrosodiphenylamine	
N-Nitrosomethylethylamine	
N-Nitrosopiperidine	
N-Nitrosopyrrolidine	
o,o,o-Triethylphosphorothioate	
o-Toluidine	
o-Xylene	
p-[Dimethylamino]azobenzene	
Parathion	
PCB-1016	
PCB-1221	
PCB-1232	
PCB-1242	
PCB-1248	
PCB-1254	
PCB-1260	
p-Dimethylamino azobenzene	
Pentachlorobenzene	
Pentachloronitrobenzene	
Pentachlorophenol	
pH	5.70
Phenacetin	
Phenanthrene	
Phenol	
Phorate	
p-Phenylenediamine	
Pronamide	
Propionitrile	
Pyrene	
Safrole	
Selenium	<2.000
Silver	<5.000
Styrene	<1.00
Sulfate	2610
Sulfide	
Tetrachloroethene	<1.00
Thallium	<.5000
Thionazin	
Tin	
Toluene	<1.00
Total Suspended Solids	
Toxaphene	
trans-1,2-Dichloroethene	<1.00
trans-1,3-Dichloropropene	<1.00

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

Table 9

Analytical Data Summary for MW-344

Constituents	Units	9/20/2012	3/27/2013	9/25/2013	4/15/2014	9/26/2014	3/12/2015	9/2/2015	3/23/2016
trans-1,4-Dichloro-2-butene	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00	<1.00
Trichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<4.00
Trichlorofluoromethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.17	<4.00	<4.00	<1.00
Vanadium	ug/L	<50.000	<50.000	<50.000	<50.000	<.449	<5.000	<5.000	.277
Vinyl Acetate	ug/L	<2.00	<2.00	<2.00	<2.00	<.74	<10.00	<10.00	<1.00
Vinyl Chloride	ug/L	1.500	1.320	.858	.884	.484	.428	<1.000	<3.000
Xylenes, Total	ug/L	<3.00	<3.00	<3.00	<3.00	<.13	<3.00	<3.00	<3.00
Zinc	ug/L	<20.0	68.8	176.0	<60.0	23.2	16.3	22.0	24.1

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

Table 9

Analytical Data Summary for MW-344

Constituents	10/19/2016	3/7/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	3/10/2020	9/15/2020
trans-1,4-Dichloro-2-butene	<.13	<.13	<.13	<.13	<1.10	<1.10	<1.10	<1.10	<1.10
Trichloroethene	<.19	<.19	<.19	<.19	<.43	<.43	<.43	<.43	<.43
Trichlorofluoromethane	<.17	<.17	<.17	<.17	<.38	<.38	<.38	<.38	<.38
Vanadium	<.255	<.840	<.840	<3.360	<2.150	<.820	<.820	<.820	<.850
Vinyl Acetate	<.74	<.74	<.74	<.74	<2.50	<2.50	<2.50	<2.50	<2.50
Vinyl Chloride	.587	1.050	.705	.569	<.600	<.600	.513	<.180	.903
Xylenes, Total	<.13	<.13	<.13	<.13	<.40	<.40	<.40	<.40	<.40
Zinc	7.3	14.0	<11.5	<46.0	22.9	12.9	146.0	16.7	22.1

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

Table 9

Analytical Data Summary for MW-344

Constituents	4/15/2021	10/27/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025
trans-1,4-Dichloro-2-butene	<1.10	<1.10	<1.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Trichloroethene	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vanadium	<1.100	<1.100	<4.400	<20.000	<20.000	<20.000	<20.000	<20.000	<2.000
Vinyl Acetate	<2.50	<2.50	<2.50	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Vinyl Chloride	.840	.986	.383	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000
Xylenes, Total	<.40	<.40	<.40	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Zinc	19.3	20.7	<40.0	<20.0	<20.0	<20.0	<20.0	<20.0	19.3

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

Table 9

Analytical Data Summary for MW-344

Constituents	9/15/2025
trans-1,4-Dichloro-2-butene	<5.00
Trichloroethene	<1.00
Trichlorofluoromethane	<1.00
Vanadium	<2.000
Vinyl Acetate	<5.00
Vinyl Chloride	<1.000
Xylenes, Total	<2.00
Zinc	22.9

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

Table 9

Analytical Data Summary for MW-345

Constituents	Units	9/19/2012	3/27/2013	9/25/2013	4/15/2014	9/25/2014	3/12/2015	9/2/2015
1,1,1,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00
1,1,1-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<.1	<1.0	<1.0
1,1,2-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00
1,1-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00
1,1-Dichloroethene	ug/L	<2.00	<2.00	<2.00	<2.00	<.15	<2.00	<2.00
1,1-Dichloropropene	ug/L	<1		<1				
1,2,3-Trichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene	ug/L	<10.0		<10.5				
1,2,4-Trichlorobenzene	ug/L	<5		<5				
1,2-Dibromo-3-chloropropane	ug/L	<10.00	<10.00	<10.00	<10.00	<.12	<10.00	<10.00
1,2-Dibromoethane	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00
1,2-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.14	<1.00	<1.00
1,2-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00
1,2-Dichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.87	<1.00	<1.00
1,3,5-Trinitrobenzene	ug/L	<10.0		<10.5				
1,3-Dichlorobenzene	ug/L	<1		<1				
1,3-Dichloropropane	ug/L	<1		<1				
1,3-Dinitrobenzene	ug/L	<10.0		<10.5				
1,4-Dichlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<.2	<1.0	<1.0
1,4-Naphthoquinone	ug/L	<10.0		<10.5				
1-Naphthylamine	ug/L	<10.0		<10.5				
2,2'-oxybis[1-Chloropropane]	ug/L	<10.0		<10.5				
2,2-Dichloropropane	ug/L	<4		<4				
2,3,4,6-Tetrachlorophenol	ug/L	<10.0		<10.5				
2,4,5-T	ug/L	<1.00		<1.02				
2,4,5-TP [Silvex]	ug/L	<1.00		<1.02				
2,4,5-Trichlorophenol	ug/L	<10.0		<10.5				
2,4,6-Trichlorophenol	ug/L	<10.0		<10.5				
2,4-D	ug/L	<1.00		<1.02				
2,4-Dichlorophenol	ug/L	<10.0		<10.5				
2,4-Dimethylphenol	ug/L	<10.0		<10.5				
2,4-Dinitrophenol	ug/L	<20.0		<21.1				
2,4-Dinitrotoluene	ug/L	<10.0		<10.5				
2,6-Dichlorophenol	ug/L	<10.0		<10.5				
2,6-Dinitrotoluene	ug/L	<10.0		<10.5				
2-Acetylaminofluorene	ug/L	<10.0		<10.5				
2-Butanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.47	<10.00	<10.00
2-Chloronaphthalene	ug/L	<10.0		<10.5				
2-Chlorophenol	ug/L	<10.0		<10.5				
2-Hexanone	ug/L	<10.0	<10.0	<10.0	<10.0	<.2	<10.0	<10.0
2-Methylnaphthalene	ug/L	<10.0		<10.5				
2-Methylphenol [o-Cresol]	ug/L	<10.0		<10.5				
2-Naphthylamine	ug/L	<10.0		<10.5				
2-Nitroaniline	ug/L	<10.0		<10.5				
2-Nitrophenol	ug/L	<10.0		<10.5				
3,3-Dichlorobenzidine	ug/L	<10.0		<52.6				
3,3-Dimethylbenzidine	ug/L	<10.0		<10.5				
3-Methylcholanthrene	ug/L	<10.0		<10.5				
3-Nitroaniline	ug/L	<10.0		<10.5				
4,4'-DDD	ug/L	<.0404		<.0360				
4,4'-DDE	ug/L	<.0404		<.0360				
4,4'-DDT	ug/L	<.0404		<.0360				
4,6-Dinitro-2-methylphenol	ug/L	<10.0		<10.5				
4-Aminobiphenyl	ug/L	<10.0		<10.5				
4-Bromophenyl phenyl ether	ug/L	<10.0		<10.5				
4-Chloro-3-methylphenol	ug/L	<10.0		<10.5				
4-Chloroaniline	ug/L	<10.0		<10.5				
4-Chlorophenyl phenyl ether	ug/L	<10.0		<10.5				
4-Methyl-2-pentanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.22	<10.00	<10.00
4-Nitroaniline	ug/L	<10.0		<10.5				
4-Nitrophenol	ug/L	<10.0		<10.5				
5-Nitro-o-toluidine	ug/L	<10.0		<10.5				
7,12-Dimethylbenz[a]anthracene	ug/L	<10.0		<10.5				
Acenaphthene	ug/L	<10.0		<10.5				
Acetone	ug/L	<10.00	<10.00	<10.00	<10.00	<1.79	<10.00	<10.00
Acetonitrile	ug/L	<10000		<10000				
Acetophenone	ug/L	<10.0		<10.5				
Acrolein	ug/L	<10		<10				
Acrylonitrile	ug/L	<10.00	<10.00	<10.00	<10.00	<.53	<10.00	<10.00
Aldrin	ug/L	<.0404		<.0360				
Alkalinity as CaCO3	mg/L					330	329	346
Allyl Chloride	ug/L	<20		<2				
alpha-BHC	ug/L	<.0404		<.0360				
Aluminum	ug/L					<8.46	<50.00	<50.00
Anthracene	ug/L	<10.0		<10.5				
Antimony	ug/L	<12.000	<6.000	<6.000	<6.000	<.161	<1.000	<1.000

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

Table 9

Analytical Data Summary for MW-345

Constituents	Units	9/19/2012	3/27/2013	9/25/2013	4/15/2014	9/25/2014	3/12/2015	9/2/2015
Arsenic	ug/L	<1.000	<1.000	<1.000	<1.000	<.945	<2.000	<2.000
Barium	ug/L	205	226	216	189	230	219	239
Benzene	ug/L	<.50	<.50	<.50	<.50	<.11	<.50	<.50
Benzo[a]anthracene	ug/L	<10.0		<10.5				
Benzo[a]pyrene	ug/L	<10.0		<10.5				
Benzo[b]fluoranthene	ug/L	<10.0		<10.5				
Benzo[ghi]perylene	ug/L	<10.0		<10.5				
Benzo[k]fluoranthene	ug/L	<10.0		<10.5				
Benzyl alcohol	ug/L	<10.0		<10.5				
Beryllium	ug/L	<1.000	<1.000	<1.000	<1.000	<.039	<1.000	<1.000
beta-BHC	ug/L	<.0404		<.0360				
Bis(2-chloroethoxy)methane	ug/L	<10.0		<10.5				
Bis(2-chloroethyl)ether	ug/L	<10.0		<10.5				
Bis(2-ethylhexyl)phthalate	ug/L	<10.0		<10.5				
Bromochloromethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.12	<5.00	<5.00
Bromodichloromethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00
Bromoform	ug/L	<5.00	<5.00	<5.00	<5.00	<.14	<5.00	<5.00
Bromomethane	ug/L	<20.00	<4.00	<4.00	<4.00	<.22	<4.00	<4.00
Butylbenzylphthalate	ug/L	<10.0		<10.5				
Cadmium	ug/L	<.500	.214	<.500	<.500	<.112	<.500	<.500
Carbon Disulfide	ug/L	<1.00	<1.00	<1.00	<1.00	<.15	<1.00	<1.00
Carbon Tetrachloride	ug/L	<2.00	<2.00	<2.00	<2.00	<.24	<2.00	<2.00
Chlordane	ug/L	<2.53		<2.25				
Chlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00
Chlorobenzilate	ug/L	<10.0		<10.5				
Chlorodibromomethane	ug/L	<5.0	<5.0	<5.0	<5.0	<.2	<5.0	<5.0
Chloroethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.15	<4.00	<4.00
Chloroform	ug/L	<1.00	<1.00	<1.00	<1.00	<.28	<1.00	<1.00
Chloromethane	ug/L	<3.00	<3.00	<3.00	<3.00	<.31	<3.00	<3.00
Chloroprene	ug/L	<1		<1				
Chromium	ug/L	<20.00	<20.00	1.79	<20.00	<1.24	<5.00	<5.00
Chrysene	ug/L	<10.0		<10.5				
cis-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.13	<1.00	<1.00
cis-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.15	<5.00	<5.00
Cobalt	ug/L	<20.0000	<20.0000	<7.0000	<7.0000	<.0528	<.5000	<.5000
Copper	ug/L	<20.000	<20.000	<20.000	<20.000	<.485	<2.000	<2.000
Cyanide	mg/L	<.01		<.01				
delta-BHC	ug/L	<.0404		<.0360				
Diallate	ug/L	<10.0		<10.5				
Dibenzo(a,h)anthracene	ug/L	<10.0		<10.5				
Dibenzofuran	ug/L	<10.0		<10.5				
Dibromomethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00
Dichlorodifluoromethane	ug/L	<3.00		1.49				
Dieldrin	ug/L	<.0404		<.0360				
Diethyl phthalate	ug/L	<10.0		<10.5				
Dimethoate	ug/L	<10.0		<10.5				
Dimethyl phthalate	ug/L	<10.0		<10.5				
Di-n-butylphthalate	ug/L	<10.0		<10.5				
Di-n-octylphthalate	ug/L	<10.0		<21.1				
Dinoseb	ug/L	<10.0		<10.5				
Diphenylamine	ug/L	<10.0		<10.5				
Disulfoton	ug/L	<10.0		<10.5				
Endosulfan I	ug/L	<.0404		<.0360				
Endosulfan II	ug/L	<.0404		<.0360				
Endosulfan Sulfate	ug/L	<.0404		<.0360				
Endrin	ug/L	<.0404		<.0360				
Endrin Aldehyde	ug/L	<.0404		<.0360				
Ethyl Methacrylate	ug/L	<2		<2				
Ethyl Methanesulfonate	ug/L	<10.0		<10.5				
Ethylbenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00
Famphur	ug/L	<20.0		<21.1				
Fluoranthene	ug/L	<10.0		<10.5				
Fluorene	ug/L	<10.0		<10.5				
gamma-BHC (Lindane)	ug/L	<.0404		<.0360				
Heptachlor	ug/L	<.0404		<.0360				
Heptachlor Epoxide	ug/L	<.0404		<.0360				
Hexachlorobenzene	ug/L	<10.0		<10.5				
Hexachlorobutadiene	ug/L	<10.0		<10.5				
Hexachlorocyclopentadiene	ug/L	<10.0		<21.1				
Hexachloroethane	ug/L	<10.0		<10.5				
Hexachloropropene	ug/L	<10.0		<10.5				
Indeno[1,2,3-cd]pyrene	ug/L	<10.0		<10.5				
Iodomethane	ug/L	<10.0	<10.0	<10.0	<10.0	<.8	<10.0	<10.0
Iron	ug/L					<51.1	<100.0	<100.0
Isobutanol	ug/L	<10000		<10000				
Isodrin	ug/L	<10.0		<10.5				
Isophorone	ug/L	<10.0		<10.5				

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

Table 9

Analytical Data Summary for MW-345

Constituents	Units	9/19/2012	3/27/2013	9/25/2013	4/15/2014	9/25/2014	3/12/2015	9/2/2015
Isosafrole	ug/L	<10.0		<10.5				
Kepon	ug/L	<10.0		<10.5				
Lead	ug/L	<4.0000	<4.0000	<4.0000	<4.0000	<.0967	<.5000	<.5000
Mercury	ug/L	<.267		<.200				
Methacrylonitrile	ug/L	<1		<1				
Methapyrilene	ug/L	<10.0		<10.5				
Methoxychlor	ug/L	<.0404		<.0360				
Methyl Methacrylate	ug/L	<2		<2				
Methyl Methanesulfonate	ug/L	<10.0		<10.5				
Methyl Parathion	ug/L	<10.0		<10.5				
Methylene Chloride	ug/L	<5.000	<5.000	<5.000	<5.000	.596	<5.000	<5.000
Naphthalene	ug/L	<5		<5				
Nickel	ug/L	<50.000	<50.000	<50.000	<50.000	<.581	.691	<5.000
Nitrobenzene	ug/L	<10.0		<10.5				
N-Nitrosodiethylamine	ug/L	<10.0		<10.5				
N-Nitrosodimethylamine	ug/L	<10.0		<10.5				
N-Nitrosodi-n-butylamine	ug/L	<10.0		<10.5				
N-Nitrosodi-n-propylamine	ug/L	<10.0		<10.5				
N-Nitrosodiphenylamine	ug/L	<10.0		<10.5				
N-Nitrosomethylethylamine	ug/L	<10.0		<10.5				
N-Nitrosopiperidine	ug/L	<10.0		<10.5				
N-Nitrosopyrrolidine	ug/L	<10.0		<10.5				
o,o,o-Triethylphosphorothioate	ug/L	<10.0		<10.5				
o-Toluidine	ug/L	<10.0		<10.5				
p-[Dimethylamino]azobenzene	ug/L	<10.0		<10.5				
Parathion	ug/L	<10.0		<10.5				
PCB-1016	ug/L	<.800		<.879				
PCB-1221	ug/L	<.800		<.879				
PCB-1232	ug/L	<.800		<.879				
PCB-1242	ug/L	<.800		<.879				
PCB-1248	ug/L	<.800		<.879				
PCB-1254	ug/L	<.800		<.879				
PCB-1260	ug/L	<.800		<.879				
Pentachlorobenzene	ug/L	<10.0		<10.5				
Pentachloronitrobenzene	ug/L	<10.0		<10.5				
Pentachlorophenol	ug/L	<10.0		<10.5				
pH	SU					7.08	7.05	7.13
Phenacetin	ug/L	<10.0		<10.5				
Phenanthrene	ug/L	<10.0		<10.5				
Phenol	ug/L	<10.0		<10.5				
Phorate	ug/L	<10.0		<10.5				
p-Phenylenediamine	ug/L	<10.0		<10.5				
Pronamide	ug/L	<10.0		<10.5				
Propionitrile	ug/L	<10		<10				
Pyrene	ug/L	<10.0		<10.5				
Safrole	ug/L	<10.0		<10.5				
Selenium	ug/L	<5.00	<5.00	<5.00	<5.00	<3.34	<5.00	<5.00
Silver	ug/L	<20.000	<20.000	<20.000	<20.000	<.042	<1.000	<1.000
Styrene	ug/L	<1.0	<1.0	<1.0	<1.0	<.1	<1.0	<1.0
Sulfate	mg/L					50.3	35.0	35.2
Sulfide	mg/L	<1		<1				
Tetrachloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00
Thallium	ug/L	<4.0000	<2.0000	<2.0000	<2.0000	<.0325	<1.0000	<1.0000
Thionazin	ug/L	<10.0		<10.5				
Tin	ug/L	<100		270	<100			
Total Suspended Solids	mg/L					<1.41	<5.00	<5.00
Toxaphene	ug/L	<2.53		<2.25				
trans-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00
trans-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.22	<5.00	<5.00
trans-1,4-Dichloro-2-butene	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00
Trichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00
Trichlorofluoromethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.17	<4.00	<4.00
Vanadium	ug/L	<50.000	<50.000	<50.000	<50.000	<.449	<5.000	<5.000
Vinyl Acetate	ug/L	<2.00	<2.00	<2.00	<2.00	<.74	<10.00	<10.00
Vinyl Chloride	ug/L	<1.0	<1.0	<1.0	<1.0	<.1	<1.0	<1.0
Xylenes, Total	ug/L	<3.00	<3.00	<3.00	<3.00	<.13	<3.00	<3.00
Zinc	ug/L	<20.00	22.90	83.60	<60.00	<6.95	<10.00	13.60

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

Table 9

Analytical Data Summary for MW-380

Constituents	Units	9/19/2012	3/27/2013	9/25/2013	11/15/2013	4/16/2014	9/26/2014	3/11/2015	9/2/2015
1,1,1,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00		<1.00	<.21	<1.00	<1.00
1,1,1-Trichloroethane	ug/L	<1.00	<1.00	<1.00		<1.00	<.12	<1.00	<1.00
1,1,2,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00		<1.00	<.10	<1.00	<1.00
1,1,2-Trichloroethane	ug/L	<1.00	<1.00	<1.00		<1.00	<.12	<1.00	<1.00
1,1-Dichloroethane	ug/L	<1.00	<1.00	<1.00		<1.00	<.21	<1.00	<1.00
1,1-Dichloroethene	ug/L	<2.00	<2.00	<2.00		<2.00	<.15	<2.00	<2.00
1,1-Dichloropropene	ug/L	<1		<1					
1,2,3-Trichloropropane	ug/L	<1.00	<1.00	<1.00		<1.00	<.19	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene	ug/L	<10.0		<10.8					
1,2,4-Trichlorobenzene	ug/L	<5		<5					
1,2-Dibromo-3-chloropropane	ug/L	<10.00	<10.00	<10.00		<10.00	<.12	<10.00	<10.00
1,2-Dibromoethane	ug/L	<10.00	<10.00	<10.00		<10.00	<.13	<10.00	<10.00
1,2-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00		<1.00	<.14	<1.00	<1.00
1,2-Dichloroethane	ug/L	<1.00	<1.00	<1.00		<1.00	<.18	<1.00	<1.00
1,2-Dichloropropane	ug/L	<1.00	<1.00	<1.00		<1.00	<.87	<1.00	<1.00
1,3,5-Trinitrobenzene	ug/L	<10.0		<10.8					
1,3-Dichlorobenzene	ug/L	<1		<1					
1,3-Dichloropropane	ug/L	<1		<1					
1,3-Dinitrobenzene	ug/L	<10.0		<10.8					
1,4-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00		<1.00	<.20	<1.00	<1.00
1,4-Naphthoquinone	ug/L	<10.0		<10.8					
1-Naphthylamine	ug/L	<10.0		<10.8					
2,2'-oxybis[1-Chloropropane]	ug/L	<10.0		<10.8					
2,2-Dichloropropane	ug/L	<4		<4					
2,3,4,6-Tetrachlorophenol	ug/L	<10.0		<10.8					
2,4,5-T	ug/L	<1.00		<1.08					
2,4,5-TP [Silvex]	ug/L	<1.00		<1.08					
2,4,5-Trichlorophenol	ug/L	<10.0		<10.8					
2,4,6-Trichlorophenol	ug/L	<10.0		<10.8					
2,4-D	ug/L	<1.00		<1.08					
2,4-Dichlorophenol	ug/L	<10.0		<10.8					
2,4-Dimethylphenol	ug/L	<10.0		<10.8					
2,4-Dinitrophenol	ug/L	<20.0		<21.5					
2,4-Dinitrotoluene	ug/L	<10.0		<10.8					
2,6-Dichlorophenol	ug/L	<10.0		<10.8					
2,6-Dinitrotoluene	ug/L	<10.0		<10.8					
2-Acetylaminofluorene	ug/L	<10.0		<10.8					
2-Butanone	ug/L	<10.00	<10.00	<10.00		<10.00	<.47	<10.00	<10.00
2-Chloronaphthalene	ug/L	<10.0		<10.8					
2-Chlorophenol	ug/L	<10.0		<10.8					
2-Hexanone	ug/L	<10.0	<10.0	<10.0		<10.0	<.2	<10.0	<10.0
2-Methylnaphthalene	ug/L	<10.0		<10.8					
2-Methylphenol [o-Cresol]	ug/L	<10.0		<10.8					
2-Naphthylamine	ug/L	<10.0		<10.8					
2-Nitroaniline	ug/L	<10.0		<10.8					
2-Nitrophenol	ug/L	<10.0		<10.8					
3,3-Dichlorobenzidine	ug/L	<10.0		<53.8					
3,3-Dimethylbenzidine	ug/L	<10.0		<10.8					
3-Methylcholanthrene	ug/L	<10.0		<10.8					
3-Nitroaniline	ug/L	<10.0		<10.8					
4,4'-DDD	ug/L	<.0320		<.0356					
4,4'-DDE	ug/L	<.0320		<.0356					
4,4'-DDT	ug/L	<.0320		<.0356					
4,6-Dinitro-2-methylphenol	ug/L	<10.0		<10.8					
4-Aminobiphenyl	ug/L	<10.0		<10.8					
4-Bromophenyl phenyl ether	ug/L	<10.0		<10.8					
4-Chloro-3-methylphenol	ug/L	<10.0		<10.8					
4-Chloroaniline	ug/L	<10.0		<10.8					
4-Chlorophenyl phenyl ether	ug/L	<10.0		<10.8					
4-Methyl-2-pentanone	ug/L	<10.00	<10.00	<10.00		<10.00	<.22	<10.00	<10.00
4-Nitroaniline	ug/L	<10.0		<10.8					
4-Nitrophenol	ug/L	<10.0		<10.8					
5-Nitro-o-toluidine	ug/L	<10.0		<10.8					
7,12-Dimethylbenz[a]anthracene	ug/L	<10.0		<10.8					
Acenaphthene	ug/L	<10.0		<10.8					
Acetone	ug/L	<10.00	<10.00	<10.00		<10.00	<1.79	<10.00	<10.00
Acetonitrile	ug/L	<10000		<10000					
Acetophenone	ug/L	<10.0		<10.8					
Acrolein	ug/L	<10		<10					
Acrylonitrile	ug/L	<10.00	<10.00	<10.00		<10.00	<.53	<10.00	<10.00
Aldrin	ug/L	<.0320		<.0356					
Alkalinity as CaCO3	mg/L						<1.27	<5.00	<5.00
Allyl Chloride	ug/L	<20		<2					
alpha-BHC	ug/L	<.0320		<.0356					
Aluminum	ug/L						45700	17300	34200
Anthracene	ug/L	<10.0		<10.8					
Antimony	ug/L	<6.000	<6.000	<6.000		<6.000	<.161	.180	<1.000

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

Table 9

Analytical Data Summary for MW-380

Constituents	3/23/2016	10/20/2016	3/9/2017	6/28/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019
1,1,1,2-Tetrachloroethane	<1.00	<.21	<.21		<.21	<.21	<.38	<.38	<.38
1,1,1-Trichloroethane	<1.00	<.12	<.12		<.12	<.12	<.19	<.19	<.19
1,1,2,2-Tetrachloroethane	<1.00	<.10	<.10		<.10	<.10	<.47	<.47	<.47
1,1,2-Trichloroethane	<1.00	<.12	<.12		<.12	<.12	<.45	<.45	<.45
1,1-Dichloroethane	<1.00	<.21	<.21		<.21	<.21	<.22	<.22	<.22
1,1-Dichloroethene	<2.00	<.15	<.15		<.15	<.15	<.56	<.56	<.56
1,1-Dichloropropene									
1,2,3-Trichloropropane	<1.00	<.19	<.19		<.19	<.19	<.59	<.59	<.59
1,2,4,5-Tetrachlorobenzene									
1,2,4-Trichlorobenzene									
1,2-Dibromo-3-chloropropane	<10.00	<.50	<.50		<.50	<.50	<1.20	<1.20	<1.20
1,2-Dibromoethane	<10.00	<.13	<.13		<.13	<.13	<.34	<.34	<.34
1,2-Dichlorobenzene	<1.00	<.14	<.14		<.14	<.14	<.37	<.37	<.37
1,2-Dichloroethane	<1.00	<.18	<.18		<.18	<.18	<.39	<.39	<.39
1,2-Dichloropropane	<1.00	<.87	<.87		<.87	<.87	<.27	<.27	<.27
1,3,5-Trinitrobenzene									
1,3-Dichlorobenzene									
1,3-Dichloropropane									
1,3-Dinitrobenzene									
1,4-Dichlorobenzene	<1.00	<.20	<.20		<.20	<.20	<.23	<.23	<.23
1,4-Naphthoquinone									
1-Naphthylamine									
2,2'-oxybis[1-Chloropropane]									
2,2-Dichloropropane									
2,3,4,6-Tetrachlorophenol									
2,4,5-T									
2,4,5-TP [Silvex]									
2,4,5-Trichlorophenol									
2,4,6-Trichlorophenol									
2,4-D									
2,4-Dichlorophenol									
2,4-Dimethylphenol									
2,4-Dinitrophenol									
2,4-Dinitrotoluene									
2,6-Dichlorophenol									
2,6-Dinitrotoluene									
2-Acetylaminofluorene									
2-Butanone	<10.00	<1.04	<1.04		<1.04	<1.04	<2.10	<2.10	<2.10
2-Chloronaphthalene									
2-Chlorophenol									
2-Hexanone	<10.0	<.2	<.2		<.2	<.2	<2.0	<2.0	<2.0
2-Methylnaphthalene									
2-Methylphenol [o-Cresol]									
2-Naphthylamine									
2-Nitroaniline									
2-Nitrophenol									
3,3-Dichlorobenzidine									
3,3-Dimethylbenzidine									
3-Methylcholanthrene									
3-Nitroaniline									
4,4'-DDD									
4,4'-DDE									
4,4'-DDT									
4,6-Dinitro-2-methylphenol									
4-Aminobiphenyl									
4-Bromophenyl phenyl ether									
4-Chloro-3-methylphenol									
4-Chloroaniline									
4-Chlorophenyl phenyl ether									
4-Methyl-2-pentanone	<10.00	<.22	<.22		<.22	<.22	<2.10	<2.10	<2.10
4-Nitroaniline									
4-Nitrophenol									
5-Nitro-o-toluidine									
7,12-Dimethylbenz[a]anthracene									
Acenaphthene									
Acetone	<10.00	<1.79	12.20	4.52	<1.79	2.46	<3.10	<3.10	<3.10
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<10.00	<.53	<.53		<.53	<.53	<2.20	<2.20	<2.20
Aldrin									
Alkalinity as CaCO3	<5.00	<2.41	<1.60		<1.60	<1.60	<1.90	<1.90	24.80
Allyl Chloride									
alpha-BHC									
Aluminum	31600	19400	50400		15900	31200	21100	17900	12400
Anthracene									
Antimony	<.237	<3.560	<.185		<1.850	12.200	<1.320	<3.710	<.530

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

Table 9

Analytical Data Summary for MW-380

Constituents	3/10/2020	9/15/2020	4/15/2021	10/27/2021	4/13/2022	9/1/2022	3/6/2023	9/29/2023	3/18/2024
1,1,1,2-Tetrachloroethane	<.38	<.38	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<.19	<.19	<.19	<.19	<.19	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<.47	<.47	<.47	<.47	<.47	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<.45	<.45	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	<.22	<.22	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	<.56	<.56	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00
1,1-Dichloropropene									
1,2,3-Trichloropropane	<.59	<.59	<.59	<.59	<.59	<1.00	<1.00	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene									
1,2,4-Trichlorobenzene									
1,2-Dibromo-3-chloropropane	<1.20	<1.20	<1.20	<1.20	<1.20	<5.00	<5.00	<5.00	<5.00
1,2-Dibromoethane	<.34	<.34	<.34	<.34	<.34	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<.37	<.37	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	<.39	<.39	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	<.27	<.27	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00
1,3,5-Trinitrobenzene									
1,3-Dichlorobenzene									
1,3-Dichloropropane									
1,3-Dinitrobenzene									
1,4-Dichlorobenzene	<.23	<.23	<.23	<.23	<.23	<1.00	<1.00	<1.00	<1.00
1,4-Naphthoquinone									
1-Naphthylamine									
2,2'-oxybis[1-Chloropropane]									
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	<2.10	<2.10	<2.10	<2.10	<2.10	<10.00	<10.00	<10.00	<10.00
2-Chloronaphthalene									
2-Chlorophenol									
2-Hexanone	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0
2-Methylnaphthalene									
2-Methylphenol [o-Cresol]									
2-Naphthylamine									
2-Nitroaniline									
2-Nitrophenol									
3,3-Dichlorobenzidine									
3,3-Dimethylbenzidine									
3-Methylcholanthrene									
3-Nitroaniline									
4,4'-DDD									
4,4'-DDE									
4,4'-DDT									
4,6-Dinitro-2-methylphenol									
4-Aminobiphenyl									
4-Bromophenyl phenyl ether									
4-Chloro-3-methylphenol									
4-Chloroaniline									
4-Chlorophenyl phenyl ether									
4-Methyl-2-pentanone	<2.10	<2.10	<2.10	<2.10	<2.10	<5.00	<5.00	<5.00	<5.00
4-Nitroaniline									
4-Nitrophenol									
5-Nitro-o-toluidine									
7,12-Dimethylbenz[a]anthracene									
Acenaphthene									
Acetone	<3.10	<3.10	<3.10	<3.10	<3.10	<10.00	<10.00	<10.00	<10.00
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<2.20	<2.20	<2.20	<2.20	<2.20	<5.00	<5.00	<5.00	<5.00
Aldrin									
Alkalinity as CaCO3	<1.90	<1.90	<2.30	54.50	19.60	<20.00	43.00	<10.00	<50.00
Allyl Chloride									
alpha-BHC									
Aluminum	18500	32300	39100	20400	10200	4740	19200	14500	16000
Anthracene									
Antimony	<.580	<.510	<1.100	<1.100	<6.900	<2.000	<2.000	<2.000	<2.000

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

Table 9

Analytical Data Summary for MW-380

Constituents	10/3/2024	3/25/2025	9/15/2025
1,1,1,2-Tetrachloroethane	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<1.00	<1.00	<1.00
1,1-Dichloroethane	<1.00	<1.00	<1.00
1,1-Dichloroethene	<1.00	<1.00	<1.00
1,1-Dichloropropene			
1,2,3-Trichloropropane	<1.00	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene			
1,2,4-Trichlorobenzene			
1,2-Dibromo-3-chloropropane	<5.00	<5.00	<5.00
1,2-Dibromoethane	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<1.00	<1.00	<1.00
1,2-Dichloroethane	<1.00	<1.00	<1.00
1,2-Dichloropropane	<1.00	<1.00	<1.00
1,3,5-Trinitrobenzene			
1,3-Dichlorobenzene			
1,3-Dichloropropane			
1,3-Dinitrobenzene			
1,4-Dichlorobenzene	<1.00	<1.00	<1.00
1,4-Naphthoquinone			
1-Naphthylamine			
2,2'-oxybis[1-Chloropropane]			
2,2-Dichloropropane			
2,3,4,6-Tetrachlorophenol			
2,4,5-T			
2,4,5-TP [Silvex]			
2,4,5-Trichlorophenol			
2,4,6-Trichlorophenol			
2,4-D			
2,4-Dichlorophenol			
2,4-Dimethylphenol			
2,4-Dinitrophenol			
2,4-Dinitrotoluene			
2,6-Dichlorophenol			
2,6-Dinitrotoluene			
2-Acetylaminofluorene			
2-Butanone	<10.00	<10.00	<10.00
2-Chloronaphthalene			
2-Chlorophenol			
2-Hexanone	<5.0	<5.0	<5.0
2-Methylnaphthalene			
2-Methylphenol [o-Cresol]			
2-Naphthylamine			
2-Nitroaniline			
2-Nitrophenol			
3,3-Dichlorobenzidine			
3,3-Dimethylbenzidine			
3-Methylcholanthrene			
3-Nitroaniline			
4,4'-DDD			
4,4'-DDE			
4,4'-DDT			
4,6-Dinitro-2-methylphenol			
4-Aminobiphenyl			
4-Bromophenyl phenyl ether			
4-Chloro-3-methylphenol			
4-Chloroaniline			
4-Chlorophenyl phenyl ether			
4-Methyl-2-pentanone	<5.00	<5.00	<5.00
4-Nitroaniline			
4-Nitrophenol			
5-Nitro-o-toluidine			
7,12-Dimethylbenz[a]anthracene			
Acenaphthene			
Acetone	<10.00	<10.00	<10.00
Acetonitrile			
Acetophenone			
Acrolein			
Acrylonitrile	<5.00	<5.00	<5.00
Aldrin			
Alkalinity as CaCO3	32.00	12.00	<50.00
Allyl Chloride			
alpha-BHC			
Aluminum	1420	1660	1810
Anthracene			
Antimony	<2.000	<1.000	<1.000

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

Table 9

Analytical Data Summary for MW-380

Constituents	Units	9/19/2012	3/27/2013	9/25/2013	11/15/2013	4/16/2014	9/26/2014	3/11/2015	9/2/2015
Arsenic	ug/L	<8.00	<5.00	2.05		<5.00	<9.45	<20.00	<60.00
Barium	ug/L	<10.00	10.70	4.91		<10.00	7.97	8.05	9.31
Benzene	ug/L	<.50	<.50	<.50		<.50	<.11	<.50	<.50
Benzo[a]anthracene	ug/L	<10.0		<10.8					
Benzo[a]pyrene	ug/L	<10.0		<10.8					
Benzo[b]fluoranthene	ug/L	<10.0		<10.8					
Benzo[ghi]perylene	ug/L	<10.0		<10.8					
Benzo[k]fluoranthene	ug/L	<10.0		<10.8					
Benzyl alcohol	ug/L	<10.0		<10.8					
Beryllium	ug/L	9.72	6.40	17.60		5.13	8.07	<10.00	<30.00
beta-BHC	ug/L	<.0320		<.0356					
Bis(2-chloroethoxy)methane	ug/L	<10.0		<10.8					
Bis(2-chloroethyl)ether	ug/L	<10.0		<10.8					
Bis(2-ethylhexyl)phthalate	ug/L	<10.0		<10.8					
Bromochloromethane	ug/L	<5.00	<5.00	<5.00		<5.00	<.12	<5.00	<5.00
Bromodichloromethane	ug/L	<1.00	<1.00	<1.00		<1.00	<.12	<1.00	<1.00
Bromoform	ug/L	<5.00	<5.00	<5.00		<5.00	<.14	<5.00	<5.00
Bromomethane	ug/L	<20.00	<4.00	<4.00		<4.00	<.22	<4.00	<4.00
Butylbenzylphthalate	ug/L	<10.0		<10.8					
Cadmium	ug/L	14.700000	5.390000	21.200001		7.180000	12.700000	15.900000	10.500000
Carbon Disulfide	ug/L	<1.00	<1.00	<1.00		<1.00	<.15	<1.00	<1.00
Carbon Tetrachloride	ug/L	<2.00	<2.00	<2.00		<2.00	<.24	<2.00	<2.00
Chlordane	ug/L	<2.00		<2.22					
Chlorobenzene	ug/L	<1.00	<1.00	<1.00		<1.00	<.19	<1.00	<1.00
Chlorobenzilate	ug/L	<10.0		<10.8					
Chlorodibromomethane	ug/L	<5.00	<5.00	<5.00		<5.00	<.20	<5.00	<5.00
Chloroethane	ug/L	<4.00	<4.00	<4.00		<4.00	<.15	<4.00	<4.00
Chloroform	ug/L	<1.00	<1.00	<1.00		<1.00	<.28	<1.00	<1.00
Chloromethane	ug/L	<3.00	<3.00	<3.00		<3.00	<.31	<3.00	<3.00
Chloroprene	ug/L	<1		<1					
Chromium	ug/L	<20.00000	<20.00000	5.72000		<20.00000	23.80000	<50.00000	<150.00000
Chrysene	ug/L	<10.0		<10.8					
cis-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00		<1.00	<.13	<1.00	<1.00
cis-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00		<5.00	<.15	<5.00	<5.00
Cobalt	ug/L	1420	1120	1450		563	1140	1490	<15
Copper	ug/L	<20.00	<20.00	<20.00		<20.00	<4.85	<20.00	<2.00
Cyanide	mg/L	<.01		<.01					
delta-BHC	ug/L	<.0320		<.0356					
Diallate	ug/L	<10.0		<10.8					
Dibenzo(a,h)anthracene	ug/L	<10.0		<10.8					
Dibenzofuran	ug/L	<10.0		<10.8					
Dibromomethane	ug/L	<1.00	<1.00	<1.00		<1.00	<.18	<1.00	<1.00
Dichlorodifluoromethane	ug/L	<3		<3					
Dieldrin	ug/L	<.0320		<.0356					
Diethyl phthalate	ug/L	<10.0		<10.8					
Dimethoate	ug/L	<10.0		<10.8					
Dimethyl phthalate	ug/L	<10.0		<10.8					
Di-n-butylphthalate	ug/L	<10.0		<10.8					
Di-n-octylphthalate	ug/L	<10.0		<21.5					
Dinoseb	ug/L	<10.0		<10.8					
Diphenylamine	ug/L	<10.0		<10.8					
Disulfoton	ug/L	<10.0		<10.8					
Endosulfan I	ug/L	<.0320		<.0356					
Endosulfan II	ug/L	<.0320		<.0356					
Endosulfan Sulfate	ug/L	<.0320		<.0356					
Endrin	ug/L	<.0320		<.0356					
Endrin Aldehyde	ug/L	<.0320		<.0356					
Ethyl Methacrylate	ug/L	<2		<2					
Ethyl Methanesulfonate	ug/L	<10.0		<10.8					
Ethylbenzene	ug/L	<1.00	<1.00	<1.00		<1.00	<.21	<1.00	<1.00
Famphur	ug/L	<20.0		<21.5					
Fluoranthene	ug/L	<10.0		<10.8					
Fluorene	ug/L	<10.0		<10.8					
gamma-BHC (Lindane)	ug/L	<.0320		<.0356					
Heptachlor	ug/L	<.0320		<.0356					
Heptachlor Epoxide	ug/L	<.0320		<.0356					
Hexachlorobenzene	ug/L	<10.0		<10.8					
Hexachlorobutadiene	ug/L	<10.0		<10.8					
Hexachlorocyclopentadiene	ug/L	<10.0		<21.5					
Hexachloroethane	ug/L	<10.0		<10.8					
Hexachloropropene	ug/L	<10.0		<10.8					
Indeno[1,2,3-cd]pyrene	ug/L	<10.0		<10.8					
Iodomethane	ug/L	<10.0	<10.0	<10.0		<10.0	<.8	<10.0	<10.0
Iron	ug/L						255000	290000	367000
Isobutanol	ug/L	<10000		<10000					
Isodrin	ug/L	<10.0		<10.8					
Isophorone	ug/L	<10.0		<10.8					

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

Table 9

Analytical Data Summary for MW-380

Constituents	3/23/2016	10/20/2016	3/9/2017	6/28/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019
Arsenic	4.94	<6.72	<50.50		<5.05	<25.30	5.63	<5.25	<5.25
Barium	6.95	8.93	<104.00		9.17	<52.00	7.98	6.56	11.10
Benzene	<.50	<.11	<.11		<.11	<.11	<.22	<.22	<.22
Benzo[a]anthracene									
Benzo[a]pyrene									
Benzo[b]fluoranthene									
Benzo[ghi]perylene									
Benzo[k]fluoranthene									
Benzyl alcohol									
Beryllium	7.23	6.11	11.60		4.72	6.90	6.99	5.15	2.86
beta-BHC									
Bis(2-chloroethoxy)methane									
Bis(2-chloroethyl)ether									
Bis(2-ethylhexyl)phthalate									
Bromochloromethane	<5.00	<.12	<.12		<.12	<.12	<.54	<.54	<.54
Bromodichloromethane	<1.00	<.12	<.12		<.12	<.12	<.39	<.39	<.39
Bromoform	<5.00	<.14	<.14		<.14	<.14	<.78	<.78	<.78
Bromomethane	<4.00	<.22	<.22		<.22	.31	<1.10	<1.10	<1.10
Butylbenzylphthalate									
Cadmium	6.330000	9.980000	57.400002	5.210000	9.290000	10.600000	12.500000	4.400000	6.880000
Carbon Disulfide	<1.00	<.15	<.15		<.15	<.15	<.45	<.45	<.45
Carbon Tetrachloride	<2.00	<.24	<.24		<.24	<.24	<.65	<.65	<.65
Chlordane									
Chlorobenzene	<1.00	<.19	<.19		<.19	<.19	<.40	<.40	<.40
Chlorobenzilate									
Chlorodibromomethane	<5.00	<.20	<.20		<.20	<.20	<.75	<.75	<.75
Chloroethane	<4.00	<.15	<.15		<.15	<.15	<.79	<.79	<.79
Chloroform	<1.00	<.28	<.28		<.28	<.28	<1.30	<1.30	<1.30
Chloromethane	<3.00	<.31	<.31		<.31	<.31	<.61	<.61	<.61
Chloroprene									
Chromium	<.35500	1.28000	<72.89999		<7.29000	<36.50000	2.35000	<6.86000	<6.86000
Chrysene									
cis-1,2-Dichloroethene	<1.00	<.13	<.13		<.13	<.13	<.21	<.21	<.21
cis-1,3-Dichloropropene	<5.00	<.15	<.15		<.15	<.15	<.25	<.25	<.25
Cobalt	1120	1150	1840		1290	1430	1040	607	867
Copper	2.04	4.42	3.43		<21.90	<110.00	1.68	<14.00	<14.00
Cyanide									
delta-BHC									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromomethane	<1.00	<.18	<.18		<.18	<.18	<.33	<.33	<.33
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethyl phthalate									
Di-n-butylphthalate									
Di-n-octylphthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan I									
Endosulfan II									
Endosulfan Sulfate									
Endrin									
Endrin Aldehyde									
Ethyl Methacrylate									
Ethyl Methanesulfonate									
Ethylbenzene	<1.00	<.21	<.21		<.21	<.21	<.31	<.31	<.31
Famphur									
Fluoranthene									
Fluorene									
gamma-BHC (Lindane)									
Heptachlor									
Heptachlor Epoxide									
Hexachlorobenzene									
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno[1,2,3-cd]pyrene									
Iodomethane	<10.0	<.8	<.8		<.8	<.8	<7.0	<7.0	<7.0
Iron	394000	374000	422000		305000	410000	342000	321000	336000
Isobutanol									
Isodrin									
Isophorone									

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

Table 9

Analytical Data Summary for MW-380

Constituents	3/10/2020	9/15/2020	4/15/2021	10/27/2021	4/13/2022	9/1/2022	3/6/2023	9/29/2023	3/18/2024
Arsenic	2.35	4.62	3.56	3.45	<7.50	<4.00	4.30	4.60	5.40
Barium	6.49	8.70	7.31	9.42	<8.80	10.40	7.70	9.70	9.30
Benzene	<.22	<.22	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00
Benzo[a]anthracene									
Benzo[a]pyrene									
Benzo[b]fluoranthene									
Benzo[ghi]perylene									
Benzo[k]fluoranthene									
Benzyl alcohol									
Beryllium	2.85	7.51	7.42	6.22	<2.70	<4.00	4.70	5.00	4.90
beta-BHC									
Bis(2-chloroethoxy)methane									
Bis(2-chloroethyl)ether									
Bis(2-ethylhexyl)phthalate									
Bromochloromethane	<.54	<.54	<.54	<.54	<.54	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	<.39	<.39	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00
Bromoform	<.78	<.78	<.78	<.78	<.78	<1.00	<1.00	<1.00	<1.00
Bromomethane	<1.10	<1.10	<1.10	<1.10	<1.10	<1.00	<1.00	<1.00	<1.00
Butylbenzylphthalate									
Cadmium	5.900000	8.940001	10.500000	7.250000	1.360000	<.800000	3.100000	9.200000	36.500000
Carbon Disulfide	<.45	<.45	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00
Carbon Tetrachloride	<.65	<.65	<.65	<.65	<.65	<1.00	<1.00	<1.00	<1.00
Chlordane									
Chlorobenzene	<.40	<.40	<.40	<.40	<.40	<1.00	<1.00	<1.00	<1.00
Chlorobenzilate									
Chlorodibromomethane	<.75	<.75	<.75	<.75	<.75	<1.00	<1.00	<1.00	<1.00
Chloroethane	<.79	<.79	<.79	<.79	<.79	<1.00	<1.00	<1.00	<1.00
Chloroform	<1.30	<1.30	<1.30	<1.30	<1.30	<1.00	<1.00	<1.00	<1.00
Chloromethane	<.61	<.61	<.61	<.61	<.61	<1.00	<1.00	<1.00	<1.00
Chloroprene									
Chromium	<1.10000	1.69000	2.34000	1.57000	<11.00000	<8.00000	<8.00000	<8.00000	<8.00000
Chrysene									
cis-1,2-Dichloroethene	<.21	<.21	<.21	<.21	<.21	<1.00	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	<.25	<.25	<.25	<.25	<.25	<1.00	<1.00	<1.00	<1.00
Cobalt	856	1180	1150	795	701	407	758	1130	936
Copper	<3.20	3.53	1.99	1.62	<18.00	<4.00	<4.00	<4.00	71.80
Cyanide									
delta-BHC									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromomethane	<.33	<.33	<.33	<.33	<.33	<1.00	<1.00	<1.00	<1.00
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethyl phthalate									
Di-n-butylphthalate									
Di-n-octylphthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan I									
Endosulfan II									
Endosulfan Sulfate									
Endrin									
Endrin Aldehyde									
Ethyl Methacrylate									
Ethyl Methanesulfonate									
Ethylbenzene	<.31	<.31	<.31	<.31	<.31	<1.00	<1.00	<1.00	<1.00
Famphur									
Fluoranthene									
Fluorene									
gamma-BHC (Lindane)									
Heptachlor									
Heptachlor Epoxide									
Hexachlorobenzene									
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno[1,2,3-cd]pyrene									
Iodomethane	<7.0	<7.0	<7.0	<7.0	<7.0	<1.0	<1.0	<1.0	<1.0
Iron	307000	419000	495000	436000	501000	462000	453000	435000	217000
Isobutanol									
Isodrin									
Isophorone									

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

Table 9

Analytical Data Summary for MW-380

Constituents	10/3/2024	3/25/2025	9/15/2025
Arsenic	11.20	<2.00	<2.00
Barium	12.70	9.10	12.60
Benzene	<1.00	<1.00	<1.00
Benzo[a]anthracene			
Benzo[a]pyrene			
Benzo[b]fluoranthene			
Benzo[ghi]perylene			
Benzo[k]fluoranthene			
Benzyl alcohol			
Beryllium	<4.00	.60	1.80
beta-BHC			
Bis(2-chloroethoxy)methane			
Bis(2-chloroethyl)ether			
Bis(2-ethylhexyl)phthalate			
Bromochloromethane	<1.00	<1.00	<1.00
Bromodichloromethane	<1.00	<1.00	<1.00
Bromoform	<1.00	<1.00	<1.00
Bromomethane	<1.00	<1.00	<1.00
Butylbenzylphthalate			
Cadmium	<.800000	5.600000	7.700000
Carbon Disulfide	<1.00	<1.00	1.70
Carbon Tetrachloride	<1.00	<1.00	<1.00
Chlordane			
Chlorobenzene	<1.00	<1.00	<1.00
Chlorobenzilate			
Chlorodibromomethane	<1.00	<1.00	<1.00
Chloroethane	<1.00	<1.00	<1.00
Chloroform	<1.00	<1.00	<1.00
Chloromethane	<1.00	<1.00	<1.00
Chloroprene			
Chromium	<8.000000	<1.000000	<1.000000
Chrysene			
cis-1,2-Dichloroethene	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	<1.00	<1.00	<1.00
Cobalt	263	115	314
Copper	<4.00	<5.00	<5.00
Cyanide			
delta-BHC			
Diallate			
Dibenzo(a,h)anthracene			
Dibenzofuran			
Dibromomethane	<1.00	<1.00	<1.00
Dichlorodifluoromethane			
Dieldrin			
Diethyl phthalate			
Dimethoate			
Dimethyl phthalate			
Di-n-butylphthalate			
Di-n-octylphthalate			
Dinoseb			
Diphenylamine			
Disulfoton			
Endosulfan I			
Endosulfan II			
Endosulfan Sulfate			
Endrin			
Endrin Aldehyde			
Ethyl Methacrylate			
Ethyl Methanesulfonate			
Ethylbenzene	<1.00	<1.00	<1.00
Famphur			
Fluoranthene			
Fluorene			
gamma-BHC (Lindane)			
Heptachlor			
Heptachlor Epoxide			
Hexachlorobenzene			
Hexachlorobutadiene			
Hexachlorocyclopentadiene			
Hexachloroethane			
Hexachloropropene			
Indeno[1,2,3-cd]pyrene			
Iodomethane	<1.0	<1.0	<1.0
Iron	184000	38600	139000
Isobutanol			
Isodrin			
Isophorone			

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

Table 9

Analytical Data Summary for MW-380

Constituents	Units	9/19/2012	3/27/2013	9/25/2013	11/15/2013	4/16/2014	9/26/2014	3/11/2015	9/2/2015
Isosafrole	ug/L	<10.0		<10.8					
Kepon	ug/L	<10.0		<10.8					
Lead	ug/L	<4.000	<4.000	<4.000		<4.000	.816	.928	.757
Mercury	ug/L	<.267		<.200					
Methacrylonitrile	ug/L	<1		<1					
Methapyrilene	ug/L	<10.0		<10.8					
Methoxychlor	ug/L	<.0320		<.0356					
Methyl Methacrylate	ug/L	<2		<2					
Methyl Methanesulfonate	ug/L	<10.0		<10.8					
Methyl Parathion	ug/L	<10.0		<10.8					
Methylene Chloride	ug/L	<5.00	<5.00	<5.00		<5.00	<.17	<5.00	<5.00
Naphthalene	ug/L	<5		<5					
Nickel	ug/L	2120	1600	2140		818	1650	1290	1970
Nitrobenzene	ug/L	<10.0		<10.8					
N-Nitrosodiethylamine	ug/L	<10.0		<10.8					
N-Nitrosodimethylamine	ug/L	<10.0		<10.8					
N-Nitrosodi-n-butylamine	ug/L	<10.0		<10.8					
N-Nitrosodi-n-propylamine	ug/L	<10.0		<10.8					
N-Nitrosodiphenylamine	ug/L	<10.0		<10.8					
N-Nitrosomethylethylamine	ug/L	<10.0		<10.8					
N-Nitrosopiperidine	ug/L	<10.0		<10.8					
N-Nitrosopyrrolidine	ug/L	<10.0		<10.8					
o,o,o-Triethylphosphorothioate	ug/L	<10.0		<10.8					
o-Toluidine	ug/L	<10.0		<10.8					
p-[Dimethylamino]azobenzene	ug/L	<10.0		<10.8					
Parathion	ug/L	<10.0		<10.8					
PCB-1016	ug/L	<.800		<.899					
PCB-1221	ug/L	<.800		<.899					
PCB-1232	ug/L	<.800		<.899					
PCB-1242	ug/L	<.800		<.899					
PCB-1248	ug/L	<.800		<.899					
PCB-1254	ug/L	<.800		<.899					
PCB-1260	ug/L	<.800		<.899					
Pentachlorobenzene	ug/L	<10.0		<10.8					
Pentachloronitrobenzene	ug/L	<10.0		<10.8					
Pentachlorophenol	ug/L	<10.0		<10.8					
pH	SU						4.02	4.37	4.50
Phenacetin	ug/L	<10.0		<10.8					
Phenanthrene	ug/L	<10.0		<10.8					
Phenol	ug/L	<10.0		<10.8					
Phorate	ug/L	<10.0		<10.8					
p-Phenylenediamine	ug/L	<10.0		<10.8					
Pronamide	ug/L	<10.0		<10.8					
Propionitrile	ug/L	<10		<10					
Pyrene	ug/L	<10.0		<10.8					
Safrole	ug/L	<10.0		<10.8					
Selenium	ug/L	<5.00	<5.00	<5.00		<5.00	<33.40	<50.00	<150.00
Silver	ug/L	31.600	<20.000	<20.000		<20.000	<.420	<1.000	<1.000
Styrene	ug/L	<1.00	<1.00	<1.00		<1.00	<.10	<1.00	<1.00
Sulfate	mg/L						4760	7010	4480
Sulfide	mg/L	<1.0		7.8	<1.0	<1.0			
Tetrachloroethene	ug/L	<1.00	<1.00	<1.00		<1.00	<.18	<1.00	<1.00
Thallium	ug/L	<2.000	<2.000	<2.000		<2.000	.268	.181	<1.000
Thionazin	ug/L	<10.0		<10.8					
Tin	ug/L	<100		490		<100			
Toluene	ug/L								
Total Suspended Solids	mg/L						40.00	11.30	11.00
Toxaphene	ug/L	<2.00		<2.22					
trans-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00		<1.00	<.21	<1.00	<1.00
trans-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00		<5.00	<.22	<5.00	<5.00
trans-1,4-Dichloro-2-butene	ug/L	<10.00	<10.00	<10.00		<10.00	<.13	<10.00	<10.00
Trichloroethene	ug/L	<1.00	<1.00	<1.00		<1.00	<.19	<1.00	<1.00
Trichlorofluoromethane	ug/L	<4.00	<4.00	<4.00		<4.00	<.17	<4.00	<4.00
Vanadium	ug/L	<50.00	19.40	6.71		<50.00	<4.49	5.35	<150.00
Vinyl Acetate	ug/L	<2.00	<2.00	<2.00		<2.00	<.74	<10.00	<10.00
Vinyl Chloride	ug/L	<1.00	<1.00	<1.00		<1.00	<.10	<1.00	<1.00
Xylenes, Total	ug/L	<3.000	<3.000	<3.000		<3.000	<.130	<3.000	<3.000
Zinc	ug/L	5060	4530	6480		2370	4830	4540	5390

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

Table 9

Analytical Data Summary for MW-380

Constituents	3/23/2016	10/20/2016	3/9/2017	6/28/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019
Isosafrole									
Kepon									
Lead	.306	.474	1.740		<3.240	<16.200	.637	<1.890	.332
Mercury									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl Methacrylate									
Methyl Methanesulfonate									
Methyl Parathion									
Methylene Chloride	<5.00	.30	<.17		<.17	<.17	<1.70	<1.70	<1.70
Naphthalene									
Nickel	1450	1430	2660		1270	2070	1440	807	1270
Nitrobenzene									
N-Nitrosodiethylamine									
N-Nitrosodimethylamine									
N-Nitrosodi-n-butylamine									
N-Nitrosodi-n-propylamine									
N-Nitrosodiphenylamine									
N-Nitrosomethylethylamine									
N-Nitrosopiperidine									
N-Nitrosopyrrolidine									
o,o,o-Triethylphosphorothioate									
o-Toluidine									
p-[Dimethylamino]azobenzene									
Parathion									
PCB-1016									
PCB-1221									
PCB-1232									
PCB-1242									
PCB-1248									
PCB-1254									
PCB-1260									
Pentachlorobenzene									
Pentachloronitrobenzene									
Pentachlorophenol									
pH	4.70	4.61	4.42		4.77	4.48	4.69	4.79	4.92
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
p-Phenylenediamine									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium	11.90	13.70	32.20		<9.28	<46.40	23.30	<7.00	10.60
Silver	<.153	<2.300	<14.000		<1.400	<7.000	<.115	<2.590	<.370
Styrene	<1.00	<.10	<.10		<.10	<.10	<.37	<.37	<.37
Sulfate	8560	7320	6160		3920	7210	3150	3650	2850
Sulfide									
Tetrachloroethene	<1.00	<.18	<.18		<.18	<.18	<.48	<.48	<.48
Thallium	.103	.293	.357		.239	<3.220	<.570	<1.890	<.270
Thionazin									
Tin									
Toluene							<.43	<.43	<.43
Total Suspended Solids	39.30	37.00	12.50	6.25	6.38	18.50	48.30	18.50	14.00
Toxaphene									
trans-1,2-Dichloroethene	<1.00	<.21	<.21		<.21	<.21	<.27	<.27	<.27
trans-1,3-Dichloropropene	<5.00	<.22	<.22		<.22	<.22	<.56	<.56	<.56
trans-1,4-Dichloro-2-butene	<10.00	<.13	<.13		<.13	<.13	<1.10	<1.10	<1.10
Trichloroethene	<1.00	<.19	<.19		<.19	<.19	<.43	<.43	<.43
Trichlorofluoromethane	<4.00	<.17	<.17		<.17	<.17	<.38	<.38	<.38
Vanadium	4.65	<3.83	6.02		<8.40	<42.00	4.78	<5.74	1.59
Vinyl Acetate	<10.00	<.74	<.74		<.74	<.74	<2.50	<2.50	<2.50
Vinyl Chloride	<1.00	<.10	<.10		<.10	<.10	<.60	<.60	<.18
Xylenes, Total	<3.000	<.130	.672		<.130	<.130	<.400	<.400	<.400
Zinc	3870	3890	8780	4580	3580	4970	4170	3250	2730

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

Table 9

Analytical Data Summary for MW-380

Constituents	3/10/2020	9/15/2020	4/15/2021	10/27/2021	4/13/2022	9/1/2022	3/6/2023	9/29/2023	3/18/2024
Isosafrole									
Kepon									
Lead	<.270	.463	.408	1.100	<2.400	<4.000	<4.000	<4.000	<4.000
Mercury									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl Methacrylate									
Methyl Methanesulfonate									
Methyl Parathion									
Methylene Chloride	<1.70	<1.70	<1.70	<1.70	<1.70	<5.00	<5.00	<5.00	<5.00
Naphthalene									
Nickel	1130	1670	1450	1100	1020	531	965	1410	1290
Nitrobenzene									
N-Nitrosodiethylamine									
N-Nitrosodimethylamine									
N-Nitrosodi-n-butylamine									
N-Nitrosodi-n-propylamine									
N-Nitrosodiphenylamine									
N-Nitrosomethylethylamine									
N-Nitrosopiperidine									
N-Nitrosopyrrolidine									
o,o,o-Triethylphosphorothioate									
o-Toluidine									
p-[Dimethylamino]azobenzene									
Parathion									
PCB-1016									
PCB-1221									
PCB-1232									
PCB-1242									
PCB-1248									
PCB-1254									
PCB-1260									
Pentachlorobenzene									
Pentachloronitrobenzene									
Pentachlorophenol									
pH	4.89	4.67	4.79	4.93	5.35	5.40	3.70	4.80	4.00
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
p-Phenylenediamine									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium	7.70	15.60	13.30	5.48	<9.60	<4.00	9.60	9.60	8.50
Silver	<.370	<.370	<.420	<.420	<4.900	<4.000	<4.000	<4.000	<4.000
Styrene	<.37	<.37	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00
Sulfate	3000	3450	3760	3100	3430	3210	3410	3450	3590
Sulfide									
Tetrachloroethene	<.48	<.48	<.48	<.48	<.48	<1.00	<1.00	<1.00	<1.00
Thallium	<.260	.292	<.260	<.260	<2.600	<2.000	<2.000	<2.000	<2.000
Thionazin									
Tin									
Toluene	<.43	<.43	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00
Total Suspended Solids	17.00	26.10	29.40	62.20	62.00				
Toxaphene									
trans-1,2-Dichloroethene	<.27	<.27	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<.56	<.56	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	<1.10	<1.10	<1.10	<1.10	<1.10	<5.00	<5.00	<5.00	<5.00
Trichloroethene	<.43	<.43	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	<.38	<.38	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00
Vanadium	2.03	5.37	5.86	4.68	<11.00	<20.00	<20.00	<20.00	<20.00
Vinyl Acetate	<2.50	<2.50	<2.50	<2.50	<2.50	<5.00	<5.00	<5.00	<5.00
Vinyl Chloride	<.18	<.18	<.18	<.18	<.18	<1.00	<1.00	<1.00	<1.00
Xylenes, Total	<.400	<.400	<.400	<.400	<.400	<2.000	<2.000	<2.000	<2.000
Zinc	2960	4610	4780	2980	2610	669	2290	4800	7070

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

Table 9

Analytical Data Summary for MW-380

Constituents	10/3/2024	3/25/2025	9/15/2025
Isosafrole			
Kepone			
Lead	<4.000	<1.000	<1.000
Mercury			
Methacrylonitrile			
Methapyrilene			
Methoxychlor			
Methyl Methacrylate			
Methyl Methanesulfonate			
Methyl Parathion			
Methylene Chloride	<5.00	<5.00	<5.00
Naphthalene			
Nickel	440	237	485
Nitrobenzene			
N-Nitrosodiethylamine			
N-Nitrosodimethylamine			
N-Nitrosodi-n-butylamine			
N-Nitrosodi-n-propylamine			
N-Nitrosodiphenylamine			
N-Nitrosomethylethylamine			
N-Nitrosopiperidine			
N-Nitrosopyrrolidine			
o,o,o-Triethylphosphorothioate			
o-Toluidine			
p-[Dimethylamino]azobenzene			
Parathion			
PCB-1016			
PCB-1221			
PCB-1232			
PCB-1242			
PCB-1248			
PCB-1254			
PCB-1260			
Pentachlorobenzene			
Pentachloronitrobenzene			
Pentachlorophenol			
pH	5.00	4.70	5.20
Phenacetin			
Phenanthrene			
Phenol			
Phorate			
p-Phenylenediamine			
Pronamide			
Propionitrile			
Pyrene			
Safrole			
Selenium	<4.00	<2.00	<2.00
Silver	<4.000	<5.000	<5.000
Styrene	<1.00	<1.00	<1.00
Sulfate	2020	1380	1890
Sulfide			
Tetrachloroethene	<1.00	<1.00	<1.00
Thallium	<2.000	<.500	<.500
Thionazin			
Tin			
Toluene	<1.00	<1.00	<1.00
Total Suspended Solids			
Toxaphene			
trans-1,2-Dichloroethene	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	<5.00	<5.00	<5.00
Trichloroethene	<1.00	<1.00	<1.00
Trichlorofluoromethane	<1.00	<1.00	<1.00
Vanadium	<20.00	<2.00	<2.00
Vinyl Acetate	<5.00	<5.00	<5.00
Vinyl Chloride	<1.00	<1.00	<1.00
Xylenes, Total	<2.000	<2.000	<2.000
Zinc	1150	1570	2930

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

Table 9

Analytical Data Summary for MW-381

Constituents	Units	9/20/2012	3/27/2013	9/26/2013	4/16/2014	9/26/2014	3/12/2015	9/2/2015	11/10/2015	3/23/2016
1,1,1,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00		<1.00
1,1,1-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00		<1.00
1,1,2,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00		<1.00
1,1,2-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00		<1.00
1,1-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00		<1.00
1,1-Dichloroethene	ug/L	<2.00	<2.00	<2.00	<2.00	<.15	<2.00	<2.00		<2.00
1,2,3-Trichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00		<1.00
1,2-Dibromo-3-chloropropane	ug/L	<10.00	<10.00	<10.00	<10.00	<.12	<10.00	<10.00		<10.00
1,2-Dibromoethane	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00		<10.00
1,2-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.14	<1.00	<1.00		<1.00
1,2-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00		<1.00
1,2-Dichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.87	<1.00	<1.00		<1.00
1,4-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.20	<1.00	<1.00		<1.00
2-Butanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.47	<10.00	<10.00		<10.00
2-Hexanone	ug/L	<10.0	<10.0	<10.0	<10.0	<.2	<10.0	<10.0		<10.0
4-Methyl-2-pentanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.22	<10.00	<10.00		<10.00
Acetone	ug/L	<10.00	<10.00	<10.00	<10.00	<1.79	<10.00	<10.00		<10.00
Acrylonitrile	ug/L	<10.00	<10.00	<10.00	<10.00	<.53	<10.00	<10.00		<10.00
Alkalinity as CaCO3	mg/L					294	259	310		263
Aluminum	ug/L					333.0	16.7	<50.0		23.6
Antimony	ug/L	<6.000	<6.000	<6.000	<6.000	<.161	<1.000	<1.000		<.237
Arsenic	ug/L	<1.000	<1.000	.518	<1.000	<.945	<2.000	7.140		<.672
Barium	ug/L	19.20	15.30	8.58	4.11	15.20	9.02	83.30	10.80	8.22
Benzene	ug/L	<.50	<.50	<.50	<.50	<.11	<.50	<.50		<.50
Beryllium	ug/L	<1.000	<1.000	<1.000	<1.000	<.039	<1.000	<1.000		<.221
Bromochloromethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.12	<5.00	<5.00		<5.00
Bromodichloromethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00		<1.00
Bromoform	ug/L	<5.00	<5.00	<5.00	<5.00	<.14	<5.00	<5.00		<5.00
Bromomethane	ug/L	<20.000	<4.000	<4.000	<4.000	<.220	<4.000	<4.000		<4.000
Cadmium	ug/L	<.500	<.500	.560	<.500	.813	.160	<.500		1.080
Carbon Disulfide	ug/L	<1.00	<1.00	<1.00	<1.00	<.15	<1.00	<1.00		<1.00
Carbon Tetrachloride	ug/L	<2.00	<2.00	<2.00	<2.00	<.24	<2.00	<2.00		<2.00
Chlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00		<1.00
Chlorodibromomethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.20	<5.00	<5.00		<5.00
Chloroethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.15	<4.00	<4.00		<4.00
Chloroform	ug/L	<1.00	<1.00	<1.00	<1.00	<.28	<1.00	<1.00		<1.00
Chloromethane	ug/L	<3.00	<3.00	<3.00	<3.00	<.31	<3.00	<3.00		<3.00
Chromium	ug/L	<20.000	<20.000	3.900	<20.000	<1.240	<5.000	<5.000		<.355
cis-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.13	<1.00	<1.00		<1.00
cis-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.15	<5.00	<5.00		<5.00
Cobalt	ug/L	10.100	<20.000	4.480	<7.000	1.030	.226	49.000		.438
Copper	ug/L	<20.00	<20.00	<20.00	<20.00	3.36	1.48	<2.00		1.62
Dibromomethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00		<1.00
Ethylbenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00		<1.00
Iodomethane	ug/L	<10.0	<10.0	<10.0	<10.0	<.8	<10.0	<10.0		<10.0
Iron	ug/L					407.0	87.6	77300.0		111.0
Lead	ug/L	<4.000	<4.000	<4.000	<4.000	1.000	.165	<.500		<.211
Methylene Chloride	ug/L	<5.000	<5.000	<5.000	<5.000	<.170	<5.000	<5.000		<5.000
Nickel	ug/L	<50.00	<50.00	27.00	<50.00	29.80	7.88	21.50		43.10
pH	SU					6.28	6.27	6.40		6.46
Selenium	ug/L	<5.000	<5.000	<5.000	<5.000	<3.340	<5.000	<5.000		<.630
Silver	ug/L	<20.000	<20.000	<20.000	<20.000	<.042	<1.000	<1.000		<.153
Styrene	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00		<1.00
Sulfate	mg/L					1420	1730	1300		1390
Tetrachloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00		<1.00
Thallium	ug/L	<2.0000	<2.0000	<2.0000	<2.0000	<.0325	<1.0000	<1.0000		<.0255
Toluene	ug/L									
Total Suspended Solids	mg/L					114.00	6.00	23.00		6.00
trans-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00		<1.00
trans-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.22	<5.00	<5.00		<5.00
trans-1,4-Dichloro-2-butene	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00		<10.00
Trichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00		<1.00
Trichlorofluoromethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.17	<4.00	<4.00		<4.00
Vanadium	ug/L	<50.000	<50.000	<50.000	<50.000	1.030	<5.000	<5.000		<.255
Vinyl Acetate	ug/L	<2.00	<2.00	<2.00	<2.00	<.74	<10.00	<10.00		<10.00
Vinyl Chloride	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00		<1.00
Xylenes, Total	ug/L	<3.000	<3.000	<3.000	<3.000	<.130	<3.000	<3.000		<3.000
Zinc	ug/L	<20.0	67.2	195.0	<60.0	27.6	14.4	10.4		60.8

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

Table 9

Analytical Data Summary for MW-381

Constituents	10/19/2016	3/7/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	3/10/2020	9/15/2020
1,1,1,2-Tetrachloroethane	<.21	<.21	<.21	<.21	<.38	<.38	<.38	<.38	<.38
1,1,1-Trichloroethane	<.12	<.12	<.12	<.12	<.19	<.19	<.19	<.19	<.19
1,1,2,2-Tetrachloroethane	<.10	<.10	<.10	<.10	<.47	<.47	<.47	<.47	<.47
1,1,2-Trichloroethane	<.12	<.12	<.12	<.12	<.45	<.45	<.45	<.45	<.45
1,1-Dichloroethane	<.21	<.21	<.21	<.21	<.22	<.22	<.22	<.22	<.22
1,1-Dichloroethene	<.15	<.15	<.15	<.15	<.56	<.56	<.56	<.56	<.56
1,2,3-Trichloropropane	<.19	<.19	<.19	<.19	<.59	<.59	<.59	<.59	<.59
1,2-Dibromo-3-chloropropane	<.50	<.50	<.50	<.50	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dibromoethane	<.13	<.13	<.13	<.13	<.34	<.34	<.34	<.34	<.34
1,2-Dichlorobenzene	<.14	<.14	<.14	<.14	<.37	<.37	<.37	<.37	<.37
1,2-Dichloroethane	<.18	<.18	<.18	<.18	<.39	<.39	<.39	<.39	<.39
1,2-Dichloropropane	<.87	<.87	<.87	<.87	<.27	<.27	<.27	<.27	<.27
1,4-Dichlorobenzene	<.20	<.20	<.20	<.20	<.23	<.23	<.23	<.23	<.23
2-Butanone	<1.04	<1.04	<1.04	<1.04	<2.10	<2.10	<2.10	<2.10	<2.10
2-Hexanone	<.2	<.2	<.2	<.2	<.20	<.20	<.20	<.20	<.20
4-Methyl-2-pentanone	<.22	<.22	<.22	<.22	<2.10	<2.10	<2.10	<2.10	<2.10
Acetone	<1.79	<1.79	2.94	2.87	<3.10	<3.10	<3.10	<3.10	<3.10
Acrylonitrile	<.53	<.53	<.53	<.53	<2.20	<2.20	<2.20	<2.20	<2.20
Alkalinity as CaCO3	294	180	304	135	196	191	223	475	308
Aluminum	92.3	66.2	<41.3	<165.0	981.0	<27.0	37.1	<30.0	228.0
Antimony	<.237	<.185	<.185	<.740	<1.320	<.530	<.530	<.580	<.510
Arsenic	<.672	<.505	<.505	<2.020	.811	<.750	<.750	<.880	<.880
Barium	11.50	9.80	9.70	8.29	16.90	6.71	13.40	8.15	14.10
Benzene	<.11	<.11	<.11	<.11	<.22	<.22	<.22	<.22	<.22
Beryllium	<.221	<.125	<.125	<.500	<.530	<.270	<.270	<.270	<.270
Bromochloromethane	<.12	<.12	<.12	<.12	<.54	<.54	<.54	<.54	<.54
Bromodichloromethane	<.12	<.12	<.12	<.12	<.39	<.39	<.39	<.39	<.39
Bromoform	<.14	<.14	<.14	<.14	<.78	<.78	<.78	<.78	<.78
Bromomethane	<.220	<.220	.322	.240	<1.100	<1.100	<1.100	<1.100	<1.100
Cadmium	.473	.054	.126	<.176	<.167	<.077	.046	.043	.169
Carbon Disulfide	<.15	<.15	<.15	<.15	<.45	<.45	<.45	<.45	<.45
Carbon Tetrachloride	<.24	<.24	<.24	<.24	<.65	<.65	<.65	<.65	<.65
Chlorobenzene	<.19	<.19	<.19	<.19	<.40	<.40	<.40	<.40	<.40
Chlorodibromomethane	<.20	<.20	<.20	<.20	<.75	<.75	<.75	<.75	<.75
Chloroethane	<.15	<.15	<.15	<.15	<.79	<.79	<.79	<.79	<.79
Chloroform	<.28	<.28	<.28	<.28	<1.30	<1.30	<1.30	<1.30	<1.30
Chloromethane	<.31	<.31	<.31	<.31	<.61	<.61	<.61	<.61	<.61
Chromium	<.355	<.729	<.729	<2.920	2.470	<.980	<.980	<1.100	<1.100
cis-1,2-Dichloroethene	<.13	<.13	<.13	<.13	<.21	<.21	<.21	<.21	<.21
cis-1,3-Dichloropropene	<.15	<.15	<.15	<.15	<.25	<.25	<.25	<.25	<.25
Cobalt	.315	.080	.071	<.181	.704	<.091	.101	.092	.673
Copper	1.80	<2.19	<2.19	<8.76	3.46	<2.00	2.50	<3.20	2.36
Dibromomethane	<.18	<.18	<.18	<.18	<.33	<.33	<.33	<.33	<.33
Ethylbenzene	<.21	<.21	<.21	<.21	<.31	<.31	<.31	<.31	<.31
Iodomethane	<.8	<.8	<.8	<.8	<.70	<.70	<.70	<.70	<.70
Iron	129.0	<47.8	<47.8	<191.0	849.0	138.0	<66.0	56.4	243.0
Lead	.917	<.324	<.324	<1.300	.722	<.270	.297	<.270	.561
Methylene Chloride	.283	<.170	<.170	<.170	<1.700	<1.700	<1.700	<1.700	<1.700
Nickel	16.30	2.60	4.49	<3.72	3.38	2.21	3.47	3.11	10.20
pH	6.41	6.43	6.48	6.66	6.52	6.69	6.48	6.60	6.57
Selenium	<.630	<.928	<.928	<3.710	<.982	<1.000	<1.000	<1.000	<1.000
Silver	<.153	<.140	<.140	<.560	<.115	<.370	<.370	<.370	<.370
Styrene	<.10	<.10	<.10	<.10	<.37	<.37	<.37	<.37	<.37
Sulfate	1250	1580	1240	1490	1070	721	1070	740	890
Tetrachloroethene	<.18	<.18	<.18	<.18	<.48	<.48	<.48	<.48	<.48
Thallium	<.0255	<.0644	<.0644	<.2580	<.5700	<.2700	<.2700	<.2600	<.2600
Toluene					<.43	<.43	<.43	<.43	<.43
Total Suspended Solids	7.50	2.63	12.30	1.38	17.50	1.00	41.30	2.50	18.80
trans-1,2-Dichloroethene	<.21	<.21	<.21	<.21	<.27	<.27	<.27	<.27	<.27
trans-1,3-Dichloropropene	<.22	<.22	<.22	<.22	<.56	<.56	<.56	<.56	<.56
trans-1,4-Dichloro-2-butene	<.13	<.13	<.13	<.13	<1.10	<1.10	<1.10	<1.10	<1.10
Trichloroethene	<.19	<.19	<.19	<.19	<.43	<.43	<.43	<.43	<.43
Trichlorofluoromethane	<.17	<.17	<.17	<.17	<.38	<.38	<.38	<.38	<.38
Vanadium	.349	<.840	<.840	<3.360	2.980	<.820	<.820	<.820	<.850
Vinyl Acetate	<.74	<.74	<.74	<.74	<2.50	<2.50	<2.50	<2.50	<2.50
Vinyl Chloride	<.10	<.10	<.10	<.10	<.60	<.60	<.18	<.18	<.18
Xylenes, Total	.242	.435	<.130	<.130	<.400	<.400	<.400	<.400	<.400
Zinc	11.9	<11.5	<11.5	<46.0	9.1	<10.0	<10.0	<10.0	<10.0

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

Table 9

Analytical Data Summary for MW-381

Constituents	4/15/2021	10/27/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025
1,1,1,2-Tetrachloroethane	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<.19	<.19	<.19	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<.47	<.47	<.47	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	<.59	<.59	<.59	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dibromo-3-chloropropane	<1.20	<1.20	<1.20	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
1,2-Dibromoethane	<.34	<.34	<.34	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,4-Dichlorobenzene	<.23	<.23	<.23	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
2-Butanone	<2.10	<2.10	<2.10	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
2-Hexanone	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Methyl-2-pentanone	<2.10	<2.10	<2.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Acetone	<3.10	<3.10	<3.10	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Acrylonitrile	<2.20	<2.20	<2.20	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Alkalinity as CaCO3	208	263	206	239	170	263	157	250	191
Aluminum	22.9	59.6	479.0	212.0	102.0	351.0	78.0	96.0	172.0
Antimony	<1.100	<1.100	.839	<2.000	<2.000	<2.000	<2.000	<2.000	<1.000
Arsenic	<.750	<.750	<.750	<4.000	<4.000	<4.000	<4.000	<4.000	<2.000
Barium	8.92	12.70	15.50	12.80	8.50	16.80	12.30	12.10	8.40
Benzene	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Beryllium	<.270	<.270	<.270	<4.000	<4.000	<4.000	<4.000	<4.000	<.500
Bromochloromethane	<.54	<.54	<.54	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromoform	<.78	<.78	<.78	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromomethane	<1.100	<1.100	<1.100	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000
Cadmium	<.051	<.051	<.055	<.800	<.800	<.800	<.800	<.800	<.200
Carbon Disulfide	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Carbon Tetrachloride	<.65	<.65	<.65	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlorobenzene	<.40	<.40	<.40	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlorodibromomethane	<.75	<.75	<.75	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroethane	<.79	<.79	<.79	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	<1.30	<1.30	<1.30	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloromethane	<.61	<.61	<.61	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chromium	<1.100	1.230	<1.100	<8.000	<8.000	<8.000	<8.000	<8.000	<1.000
cis-1,2-Dichloroethene	<.21	<.21	<.21	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	<.25	<.25	<.25	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Cobalt	.091	.369	.978	.400	1.200	2.100	<.400	.800	<.500
Copper	2.24	1.96	2.73	<4.00	4.00	<4.00	<4.00	<4.00	<5.00
Dibromomethane	<.33	<.33	<.33	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	<.31	<.31	<.31	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Iodomethane	<.70	<.70	<.70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	62.8	93.5	584.0	150.0	126.0	287.0	138.0	<100.0	105.0
Lead	.221	.623	1.310	<4.000	<4.000	<4.000	<4.000	<4.000	<1.000
Methylene Chloride	<1.700	<1.700	<1.700	<5.000	<5.000	<5.000	<5.000	<5.000	<5.000
Nickel	<1.90	2.35	4.47	<4.00	13.00	5.30	<4.00	<4.00	<5.00
pH	6.84	6.43	6.78	6.40	6.80	6.60	6.60	6.30	6.50
Selenium	<.960	<.960	<.960	<4.000	<4.000	<4.000	<4.000	<4.000	<2.000
Silver	<.420	<.420	<.490	<4.000	<4.000	<4.000	<4.000	<4.000	<5.000
Styrene	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Sulfate	730	887	655	789	711	777	1150	792	657
Tetrachloroethene	<.48	<.48	<.48	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Thallium	<.2600	<.2600	<.2600	<2.0000	<2.0000	<2.0000	<2.0000	<2.0000	<.5000
Toluene	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Total Suspended Solids	4.75	3.63	73.30						
trans-1,2-Dichloroethene	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	<1.10	<1.10	<1.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Trichloroethene	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vanadium	<1.100	<1.100	1.500	<20.000	<20.000	<20.000	<20.000	<20.000	<2.000
Vinyl Acetate	<2.50	<2.50	<2.50	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Vinyl Chloride	<.18	<.18	<.18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Xylenes, Total	<.400	<.400	<.400	<2.000	<2.000	<2.000	<2.000	<2.000	<2.000
Zinc	<10.0	<10.0	<10.0	<20.0	<20.0	32.4	<20.0	<20.0	<5.0

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

Table 9

Analytical Data Summary for MW-381

Constituents	9/15/2025
1,1,1,2-Tetrachloroethane	<1.00
1,1,1-Trichloroethane	<1.00
1,1,2,2-Tetrachloroethane	<1.00
1,1,2-Trichloroethane	<1.00
1,1-Dichloroethane	<1.00
1,1-Dichloroethene	<1.00
1,2,3-Trichloropropane	<1.00
1,2-Dibromo-3-chloropropane	<5.00
1,2-Dibromoethane	<1.00
1,2-Dichlorobenzene	<1.00
1,2-Dichloroethane	<1.00
1,2-Dichloropropane	<1.00
1,4-Dichlorobenzene	<1.00
2-Butanone	<10.00
2-Hexanone	<5.0
4-Methyl-2-pentanone	<5.00
Acetone	<10.00
Acrylonitrile	<5.00
Alkalinity as CaCO3	256
Aluminum	<50.0
Antimony	<1.000
Arsenic	<2.000
Barium	14.00
Benzene	<1.00
Beryllium	<.500
Bromochloromethane	<1.00
Bromodichloromethane	<1.00
Bromoform	<1.00
Bromomethane	<1.000
Cadmium	<.200
Carbon Disulfide	<1.00
Carbon Tetrachloride	<1.00
Chlorobenzene	<1.00
Chlorodibromomethane	<1.00
Chloroethane	<1.00
Chloroform	<1.00
Chloromethane	<1.00
Chromium	<1.000
cis-1,2-Dichloroethene	<1.00
cis-1,3-Dichloropropene	<1.00
Cobalt	<.500
Copper	<5.00
Dibromomethane	<1.00
Ethylbenzene	<1.00
Iodomethane	<1.0
Iron	<100.0
Lead	<1.000
Methylene Chloride	<5.000
Nickel	<5.00
pH	6.40
Selenium	<2.000
Silver	<5.000
Styrene	<1.00
Sulfate	631
Tetrachloroethene	<1.00
Thallium	<.5000
Toluene	<1.00
Total Suspended Solids	
trans-1,2-Dichloroethene	<1.00
trans-1,3-Dichloropropene	<1.00
trans-1,4-Dichloro-2-butene	<5.00
Trichloroethene	<1.00
Trichlorofluoromethane	<1.00
Vanadium	<2.000
Vinyl Acetate	<5.00
Vinyl Chloride	<1.00
Xylenes, Total	<2.000
Zinc	7.5

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

Table 9

Analytical Data Summary for MW-382R

Constituents	Units	9/20/2012	3/27/2013	9/25/2013	4/15/2014	9/26/2014	3/12/2015	9/2/2015	3/23/2016
(3,4)-Methylphenol	ug/L								
1,1,1,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<1.00
1,1-Dichloroethane	ug/L	2.10	2.43	2.00	3.54	2.00	2.23	1.62	1.65
1,1-Dichloroethene	ug/L	<2.00	<2.00	<2.00	<2.00	<.15	<2.00	<2.00	<1.00
1,1-Dichloropropene	ug/L	<1.00		<1.00					
1,2,3-Trichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene	ug/L	<10.000		<10.000					
1,2,4-Trichlorobenzene	ug/L	<5.00		<5.00					
1,2-Dibromo-3-chloropropane	ug/L	<10.00	<10.00	<10.00	<10.00	<.12	<10.00	<10.00	<10.00
1,2-Dibromoethane	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00	<1.00
1,2-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.14	<1.00	<1.00	<1.00
1,2-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00
1,2-Dichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<.87	<1.00	<1.00	<1.00
1,2-Dinitrobenzene	ug/L								
1,3,5-Trinitrobenzene	ug/L	<10.00		<10.00					
1,3-Dichlorobenzene	ug/L	<1.0		<1.0					
1,3-Dichloropropane	ug/L	<1.0		<1.0					
1,3-Dinitrobenzene	ug/L	<10.00		<10.00					
1,4-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.20	<1.00	<1.00	<10.00
1,4-Naphthoquinone	ug/L	<10.000		<10.000					
1,4-phenylenediamine	ug/L								
1-Naphthylamine	ug/L	<10.000		<10.000					
2,2'-oxybis[1-Chloropropane]	ug/L	<10		<10					
2,2-Dichloropropane	ug/L	<4.00		<4.00					
2,3,4,6-Tetrachlorophenol	ug/L	<10.000		<10.000					
2,4,5-T	ug/L	<1.000		<1.080					
2,4,5-TP [Silvex]	ug/L	<1.000		<1.080					
2,4,5-Trichlorophenol	ug/L	<10.000		<10.000					
2,4,6-Trichlorophenol	ug/L	<10.000		<10.000					
2,4-D	ug/L	<1.000		<1.080					
2,4-Dichlorophenol	ug/L	<10.00		<10.00					
2,4-Dimethylphenol	ug/L	<10.000		<10.000					
2,4-Dinitrophenol	ug/L	<20.00		<20.00					
2,4-Dinitrotoluene	ug/L	<10.000		<10.000					
2,6-Dichlorophenol	ug/L	<10.000		<10.000					
2,6-Dinitrotoluene	ug/L	<10.000		<10.000					
2-Acetylaminofluorene	ug/L	<10.00		<10.00					
2-Butanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.47	<10.00	<10.00	<10.00
2-Chloronaphthalene	ug/L	<10.000		<10.000					
2-Chlorophenol	ug/L	<10.00		<10.00					
2-Hexanone	ug/L	<10.0	<10.0	<10.0	<10.0	<.2	<10.0	<10.0	<3.0
2-Methylnaphthalene	ug/L	<10.000		<10.000					
2-Methylphenol	ug/L								
2-Methylphenol [o-Cresol]	ug/L	<10.000		<10.000					
2-Naphthylamine	ug/L	<10.000		<10.000					
2-Nitroaniline	ug/L	<10.00		<10.00					
2-Nitrophenol	ug/L	<10.00		<10.00					
3,3'-Dichlorobenzidine	ug/L								
3,3-Dichlorobenzidine	ug/L	<10.000		<50.000					
3,3-Dimethylbenzidine	ug/L	<10.000		<10.000					
3-Methylcholanthrene	ug/L	<10.000		<10.000					
3-Nitroaniline	ug/L	<10.000		<10.000					
4,4'-DDD	ug/L	<.03200		<.03230					
4,4'-DDE	ug/L	<.03200		<.03230					
4,4'-DDT	ug/L	<.03200		<.03230					
4,6-Dinitro-2-methylphenol	ug/L	<10.00		<10.00					
4-Aminobiphenyl	ug/L	<10.000		<10.000					
4-Bromophenyl phenyl ether	ug/L	<10.000		<10.000					
4-Chloro-3-methylphenol	ug/L	<10.000		<10.000					
4-Chloroaniline	ug/L	<10.00		<10.00					
4-Chlorophenyl phenyl ether	ug/L	<10.000		<10.000					
4-Methyl-2-pentanone	ug/L	<10.00	<10.00	<10.00	<10.00	<.22	<10.00	<10.00	<1.00
4-Nitroaniline	ug/L	<10.00		<10.00					
4-Nitrophenol	ug/L	<10.00		<10.00					
5-Nitro-o-toluidine	ug/L	<10.000		<10.000					
7,12-Dimethylbenz(a)anthracene	ug/L								
7,12-Dimethylbenz[a]anthracene	ug/L	<10.000		<10.000					
Acenaphthene	ug/L	<10.000		<10.000					
Acenaphthylene	ug/L								
Acetone	ug/L	<10.00	<10.00	<10.00	<10.00	<1.79	<10.00	<10.00	<10.00
Acetonitrile	ug/L	<10000		<10000					
Acetophenone	ug/L	<10.000		<10.000					
Acrolein	ug/L	<10.0		<10.0					
Acrylonitrile	ug/L	<10.00	<10.00	<10.00	<10.00	<.53	<10.00	<10.00	<.50

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

Table 9

Analytical Data Summary for MW-382R

Constituents	10/19/2016	3/7/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	3/10/2020	9/16/2020
(3,4)-Methylphenol									
1,1,1,2-Tetrachloroethane	<.21	<.21	<.21	<.21	<.38	<.38	<.38	<.38	<.38
1,1,1-Trichloroethane	<.12	<.12	<.12	<.12	<.19	<.19	<.19	<.19	<.19
1,1,2,2-Tetrachloroethane	<.10	<.10	<.10	<.10	<.47	<.47	<.47	<.47	<.47
1,1,2-Trichloroethane	<.12	<.12	<.12	<.12	<.45	<.45	<.45	<.45	<.45
1,1-Dichloroethane	2.31	1.81	1.93	2.60	1.51	1.60	1.71	1.74	2.00
1,1-Dichloroethene	<.15	<.15	<.15	<.15	<.56	<.56	<.56	<.56	<.56
1,1-Dichloropropene					<.43				
1,2,3-Trichloropropane	<.19	<.19	<.19	<.19	<.59	<.59	<.59	<.59	<.59
1,2,4,5-Tetrachlorobenzene					<.149				
1,2,4-Trichlorobenzene					<.75				
1,2-Dibromo-3-chloropropane	<.50	<.50	<.50	<.50	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dibromoethane	<.13	<.13	<.13	<.13	<.34	<.34	<.34	<.34	<.34
1,2-Dichlorobenzene	<.14	<.14	<.14	<.14	<.37	<.37	<.37	<.37	<.37
1,2-Dichloroethane	<.18	<.18	<.18	<.18	<.39	<.39	<.39	<.39	<.39
1,2-Dichloropropane	<.87	<.87	<.87	<.87	<.27	<.27	<.27	<.27	<.27
1,2-Dinitrobenzene									
1,3,5-Trinitrobenzene					<1.36				
1,3-Dichlorobenzene					<.3				
1,3-Dichloropropane					<.4				
1,3-Dinitrobenzene					<1.07				
1,4-Dichlorobenzene	<.20	<.20	<.20	<.20	<.23	<.23	<.23	<.23	<.23
1,4-Naphthoquinone					<.383				
1,4-phenylenediamine					<8.94				
1-Naphthylamine					<.255				
2,2'-oxybis[1-Chloropropane]									
2,2-Dichloropropane					<.69				
2,3,4,6-Tetrachlorophenol					<.532				
2,4,5-T					<.477				
2,4,5-TP [Silvex]					<.319				
2,4,5-Trichlorophenol					<.745				
2,4,6-Trichlorophenol					<.745				
2,4-D					<.513				
2,4-Dichlorophenol					<.33				
2,4-Dimethylphenol					<.223				
2,4-Dinitrophenol					<2.74				
2,4-Dinitrotoluene					<.489				
2,6-Dichlorophenol					<.234				
2,6-Dinitrotoluene					<.255				
2-Acetylaminofluorene					<1.32				
2-Butanone	<1.04	<1.04	<1.04	<1.04	<2.10	<2.10	<2.10	<2.10	<2.10
2-Chloronaphthalene					<.245				
2-Chlorophenol					<.16				
2-Hexanone	<.2	<.2	<.2	<.2	<2.0	<2.0	<2.0	<2.0	<2.0
2-Methylnaphthalene					<.202				
2-Methylphenol									
2-Methylphenol [o-Cresol]					<.191				
2-Naphthylamine					<.234				
2-Nitroaniline					<1.32				
2-Nitrophenol					<1.02				
3,3'-Dichlorobenzidine									
3,3-Dichlorobenzidine					<.862				
3,3-Dimethylbenzidine					<.223				
3-Methylcholanthrene					<.947				
3-Nitroaniline					<.617				
4,4'-DDD					<.00194				
4,4'-DDE					<.00226				
4,4'-DDT					<.00409				
4,6-Dinitro-2-methylphenol					<2.36				
4-Aminobiphenyl					<.319				
4-Bromophenyl phenyl ether					<.309				
4-Chloro-3-methylphenol					<.277				
4-Chloroaniline					<.16				
4-Chlorophenyl phenyl ether					<.266				
4-Methyl-2-pentanone	<.22	<.22	<.22	<.22	<2.10	<2.10	<2.10	<2.10	<2.10
4-Nitroaniline					<.34				
4-Nitrophenol					<1.47				
5-Nitro-o-toluidine					<.181				
7,12-Dimethylbenz(a)anthracene									
7,12-Dimethylbenz[a]anthracene					<.266				
Acenaphthene					<.319				
Acenaphthylene					<.617				
Acetone	<1.79	<1.79	<1.79	2.06	<3.10	<3.10	<3.10	<3.10	<3.10
Acetonitrile					<126				
Acetophenone					<.372				
Acrolein					<3.6				
Acrylonitrile	<.53	<.53	<.53	<.53	<2.20	<2.20	<2.20	<2.20	<2.20

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

Table 9

Analytical Data Summary for MW-382R

Constituents	4/15/2021	10/27/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025
(3,4)-Methylphenol						<8			
1,1,1,2-Tetrachloroethane	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<.19	<.19	<.19	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<.47	<.47	<.47	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	1.41	1.69	1.09	<1.00	1.40	<1.00	<1.00	1.40	<1.00
1,1-Dichloroethene	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloropropene						<1.00			
1,2,3-Trichloropropane	<.59	<.59	<.59	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene						<8.000			
1,2,4-Trichlorobenzene						<1.00			
1,2-Dibromo-3-chloropropane	<1.20	<1.20	<1.20	<5.00	<5.00	<1.00	<5.00	<5.00	<5.00
1,2-Dibromoethane	<.34	<.34	<.34	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dinitrobenzene						<8			
1,3,5-Trinitrobenzene						<8.00			
1,3-Dichlorobenzene						<1.0			
1,3-Dichloropropane						<1.0			
1,3-Dinitrobenzene						<8.00			
1,4-Dichlorobenzene	<.23	<.23	<.23	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,4-Naphthoquinone						<8.000			
1,4-phenylenediamine						<8.00			
1-Naphthylamine						<8.000			
2,2'-oxybis[1-Chloropropane]									
2,2-Dichloropropane						<1.00			
2,3,4,6-Tetrachlorophenol						<8.000			
2,4,5-T						<.500			
2,4,5-TP [Silvex]						<.500			
2,4,5-Trichlorophenol						<8.000			
2,4,6-Trichlorophenol						<8.000			
2,4-D						<2.000			
2,4-Dichlorophenol						<8.00			
2,4-Dimethylphenol						<8.000			
2,4-Dinitrophenol						<8.00			
2,4-Dinitrotoluene						<8.000			
2,6-Dichlorophenol						<8.000			
2,6-Dinitrotoluene						<8.000			
2-Acetylaminofluorene						<8.00			
2-Butanone	<2.10	<2.10	<2.10	<10.00	<10.00	<5.00	<10.00	<10.00	<10.00
2-Chloronaphthalene						<8.000			
2-Chlorophenol						<8.00			
2-Hexanone	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Methylnaphthalene						<8.000			
2-Methylphenol						<8			
2-Methylphenol [o-Cresol]									
2-Naphthylamine						<8.000			
2-Nitroaniline						<8.00			
2-Nitrophenol						<8.00			
3,3'-Dichlorobenzidine						<8			
3,3-Dichlorobenzidine									
3,3-Dimethylbenzidine						<8.000			
3-Methylcholanthrene						<8.000			
3-Nitroaniline						<8.000			
4,4'-DDD						<.05000			
4,4'-DDE						<.05000			
4,4'-DDT						<.05000			
4,6-Dinitro-2-methylphenol						<8.00			
4-Aminobiphenyl						<8.000			
4-Bromophenyl phenyl ether						<8.000			
4-Chloro-3-methylphenol						<8.000			
4-Chloroaniline						<8.00			
4-Chlorophenyl phenyl ether						<8.000			
4-Methyl-2-pentanone	<2.10	<2.10	<2.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
4-Nitroaniline						<8.00			
4-Nitrophenol						<8.00			
5-Nitro-o-toluidine						<8.000			
7,12-Dimethylbenz(a)anthracene						<8			
7,12-Dimethylbenz[a]anthracene									
Acenaphthene						<8.000			
Acenaphthylene						<8.000			
Acetone	<3.10	<3.10	<3.10	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Acetonitrile						<10			
Acetophenone						<8.000			
Acrolein						<10.0			
Acrylonitrile	<2.20	<2.20	<2.20	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00

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

Table 9

Analytical Data Summary for MW-382R

Constituents	9/15/2025
(3,4)-Methylphenol	
1,1,1,2-Tetrachloroethane	<1.00
1,1,1-Trichloroethane	<1.00
1,1,2,2-Tetrachloroethane	<1.00
1,1,2-Trichloroethane	<1.00
1,1-Dichloroethane	1.20
1,1-Dichloroethene	<1.00
1,1-Dichloropropene	
1,2,3-Trichloropropane	<1.00
1,2,4,5-Tetrachlorobenzene	
1,2,4-Trichlorobenzene	
1,2-Dibromo-3-chloropropane	<5.00
1,2-Dibromoethane	<1.00
1,2-Dichlorobenzene	<1.00
1,2-Dichloroethane	<1.00
1,2-Dichloropropane	<1.00
1,2-Dinitrobenzene	
1,3,5-Trinitrobenzene	
1,3-Dichlorobenzene	
1,3-Dichloropropane	
1,3-Dinitrobenzene	
1,4-Dichlorobenzene	<1.00
1,4-Naphthoquinone	
1,4-phenylenediamine	
1-Naphthylamine	
2,2'-oxybis[1-Chloropropane]	
2,2-Dichloropropane	
2,3,4,6-Tetrachlorophenol	
2,4,5-T	
2,4,5-TP [Silvex]	
2,4,5-Trichlorophenol	
2,4,6-Trichlorophenol	
2,4-D	
2,4-Dichlorophenol	
2,4-Dimethylphenol	
2,4-Dinitrophenol	
2,4-Dinitrotoluene	
2,6-Dichlorophenol	
2,6-Dinitrotoluene	
2-Acetylaminofluorene	
2-Butanone	<10.00
2-Chloronaphthalene	
2-Chlorophenol	
2-Hexanone	<5.0
2-Methylnaphthalene	
2-Methylphenol	
2-Methylphenol [o-Cresol]	
2-Naphthylamine	
2-Nitroaniline	
2-Nitrophenol	
3,3'-Dichlorobenzidine	
3,3-Dichlorobenzidine	
3,3-Dimethylbenzidine	
3-Methylcholanthrene	
3-Nitroaniline	
4,4'-DDD	
4,4'-DDE	
4,4'-DDT	
4,6-Dinitro-2-methylphenol	
4-Aminobiphenyl	
4-Bromophenyl phenyl ether	
4-Chloro-3-methylphenol	
4-Chloroaniline	
4-Chlorophenyl phenyl ether	
4-Methyl-2-pentanone	<5.00
4-Nitroaniline	
4-Nitrophenol	
5-Nitro-o-toluidine	
7,12-Dimethylbenz(a)anthracene	
7,12-Dimethylbenz[a]anthracene	
Acenaphthene	
Acenaphthylene	
Acetone	<10.00
Acetonitrile	
Acetophenone	
Acrolein	
Acrylonitrile	<5.00

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

Table 9

Analytical Data Summary for MW-382R

Constituents	Units	9/20/2012	3/27/2013	9/25/2013	4/15/2014	9/26/2014	3/12/2015	9/2/2015	3/23/2016
Aldrin	ug/L	<.03200		<.03230					
Alkalinity as CaCO3	mg/L					330	340	320	361
Allyl Chloride	ug/L	<20.0		<2.0					
alpha-BHC	ug/L	<.03200		<.03230					
Aluminum	ug/L					24.3	<50.0	<50.0	<20.8
Anthracene	ug/L	<10.000		<10.000					
Antimony	ug/L	<12.000	<6.000	2.900	<6.000	<.161	<1.000	<1.000	<.237
Arsenic	ug/L	<2.000	<1.000	<2.000	<1.000	<.945	<2.000	<2.000	<.672
Azobenzene	ug/L								
Barium	ug/L	27.9	26.0	25.3	16.7	25.4	25.5	28.4	24.2
Benzene	ug/L	<.50	<.50	<.50	<.50	<.11	<.50	<.50	<5.00
Benzo[a]anthracene	ug/L	<10.000		<10.000					
Benzo[a]pyrene	ug/L	<10.00		<10.00					
Benzo[b]fluoranthene	ug/L	<10.00		<10.00					
Benzo[ghi]perylene	ug/L	<10.0		<10.0					
Benzo[k]fluoranthene	ug/L	<10.000		<10.000					
Benzyl alcohol	ug/L	<10.000		<10.000					
Beryllium	ug/L	<1.000	<1.000	<1.000	<1.000	<.039	<1.000	<1.000	<.221
beta-BHC	ug/L	<.03200		<.03230					
bis (2-chloroisopropyl) ether	ug/L								
Bis(2-chloroethoxy)methane	ug/L	<10.000		<10.000					
Bis(2-chloroethyl)ether	ug/L	<10.000		<10.000					
Bis(2-ethylhexyl)phthalate	ug/L	<10.00		<10.00					
Bis[2-Chloroisopropyl]ether	ug/L								
Bromochloromethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.12	<5.00	<5.00	<1.00
Bromodichloromethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.12	<1.00	<1.00	<5.00
Bromoform	ug/L	<5.00	<5.00	<5.00	<5.00	<.14	<5.00	<5.00	<1.00
Bromomethane	ug/L	<20.000	<4.000	<4.000	<4.000	<.220	<4.000	<4.000	<10.000
Butylbenzylphthalate	ug/L	<10.00		<10.00					
Cadmium	ug/L	<.5000	<.5000	<.5000	<.5000	<.1120	<.5000	<.5000	<.0351
Carbon Disulfide	ug/L	<1.00	<1.00	<1.00	<1.00	<.15	<1.00	<1.00	<2.00
Carbon Tetrachloride	ug/L	<2.00	<2.00	<2.00	<2.00	<.24	<2.00	<2.00	<1.00
Chlordane	ug/L	<2.0000		<2.0200					
Chlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<4.00
Chlorobenzilate	ug/L	<10.000		<10.000					
Chlorodibromomethane	ug/L	<5.00	<5.00	<5.00	<5.00	<.20	<5.00	<5.00	<10.00
Chloroethane	ug/L	<4.000	<4.000	.433	<4.000	<.150	<4.000	<4.000	<1.000
Chloroform	ug/L	<1.00	<1.00	<1.00	<1.00	<.28	<1.00	<1.00	<5.00
Chloromethane	ug/L	<3.00	<3.00	<3.00	<3.00	<.31	<3.00	<3.00	<1.00
Chloroprene	ug/L	<1.00		<1.00					
Chromium	ug/L	<20.000	<20.000	5.910	<20.000	<1.240	<5.000	<5.000	<.355
Chrysene	ug/L	<10.00		<10.00					
cis-1,2-Dichloroethene	ug/L	<1.000	.383	.320	.267	.270	<1.000	<1.000	<5.000
cis-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.15	<5.00	<5.00	<10.00
Cobalt	ug/L	1.760	<20.000	2.920	<7.000	1.400	1.440	1.170	.734
Copper	ug/L	<20.000	<20.000	<20.000	<20.000	<.485	<2.000	<2.000	<1.220
Cyanide	mg/L	<.0100		<.0100					
delta-BHC	ug/L	<.03200		<.03230					
Diallate	ug/L	<10.000		<10.000					
Dibenzo(a,h)anthracene	ug/L	<10.00		<10.00					
Dibenzofuran	ug/L	<10.000		<10.000					
Dibromomethane	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<5.00
Dichlorodifluoromethane	ug/L	<5.000	2.400	2.730	2.140	2.700	1.590	<3.000	<1.000
Dieldrin	ug/L	<.03200		<.03230					
Diethyl phthalate	ug/L	<10.000		<10.000					
Dimethoate	ug/L	<10.000		<10.000					
Dimethyl phthalate	ug/L	<10.00		<10.00					
Di-n-butyl phthalate	ug/L								
Di-n-butylphthalate	ug/L	<10.00		<10.00					
Di-n-octyl phthalate	ug/L								
Di-n-octylphthalate	ug/L	<10.00		<20.00					
Dinoseb	ug/L	<10.000		<10.000					
Diphenylamine	ug/L	<10.000		<10.000					
Disulfoton	ug/L	<10.000		<10.000					
Endosulfan I	ug/L	<.03200		<.03230					
Endosulfan II	ug/L	<.03200		<.03230					
Endosulfan Sulfate	ug/L	<.03200		<.03230					
Endrin	ug/L	<.03200		<.03230					
Endrin Aldehyde	ug/L	<.03200		<.03230					
Ethyl Methacrylate	ug/L	<2.00		<2.00					
Ethyl Methanesulfonate	ug/L	<10.00		<10.00					
Ethyl Parathion	ug/L								
Ethylbenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<4.00
Famphur	ug/L	<20.0		<20.0					
Fluoranthene	ug/L	<10.000		<10.000					
Fluorene	ug/L	<10.000		<10.000					
gamma-BHC (Lindane)	ug/L	<.03200		<.03230					

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

Table 9

Analytical Data Summary for MW-382R

Constituents	10/19/2016	3/7/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	3/10/2020	9/16/2020
Aldrin					<.00484				
Alkalinity as CaCO3	355	330	345	337	350	330	332	325	356
Allyl Chloride					<.7				
alpha-BHC					<.00183				
Aluminum	<20.8	<41.3	<207.0	<165.0	<24.6	<27.0	<27.0	<30.0	<12.0
Anthracene					<.181				
Antimony	<.237	<.185	<.925	<.740	<1.320	<.530	<.530	<.580	<.510
Arsenic	<.672	<.505	<2.530	<2.020	.751	<.750	<.750	<.880	<.880
Azobenzene									
Barium	23.6	26.0	24.8	23.8	23.0	20.4	28.6	21.3	20.7
Benzene	<.11	<.11	<.11	<.11	<.22	<.22	<.22	<.22	<.22
Benzo[a]anthracene					<.362				
Benzo[a]pyrene					<1.35				
Benzo[b]fluoranthene					<1.06				
Benzo[ghi]perylene					<1.4				
Benzo[k]fluoranthene					<.606				
Benzyl alcohol					<.638				
Beryllium	<.221	<.125	<.625	<.500	<.530	<.270	<.270	<.270	<.270
beta-BHC					<.00516				
bis (2-chloroisopropyl) ether					<.191				
Bis(2-chloroethoxy)methane					<.277				
Bis(2-chloroethyl)ether					<.202				
Bis(2-ethylhexyl)phthalate					<.247				
Bis[2-Chloroisopropyl]ether									
Bromochloromethane	<.12	<.12	<.12	<.12	<.54	<.54	<.54	<.54	<.54
Bromodichloromethane	<.12	<.12	<.12	<.12	<.39	<.39	<.39	<.39	<.39
Bromoform	<.14	<.14	<.14	<.14	<.78	<.78	<.78	<.78	<.78
Bromomethane	<.220	<.220	<.220	.253	<1.100	<1.100	<1.100	<1.100	<1.100
Butylbenzylphthalate					<1.63				
Cadmium	<.0351	<.0441	<.2210	<.1760	<.1670	<.0770	<.0390	<.0390	<.0490
Carbon Disulfide	<.15	<.15	<.15	<.15	<.45	<.45	<.45	<.45	<.45
Carbon Tetrachloride	<.24	<.24	<.24	<.24	<.65	<.65	<.65	<.65	<.65
Chlordane					<.0688				
Chlorobenzene	<.19	<.19	<.19	<.19	<.40	<.40	<.40	<.40	<.40
Chlorobenzilate					<.223				
Chlorodibromomethane	<.20	<.20	<.20	<.20	<.75	<.75	<.75	<.75	<.75
Chloroethane	<.150	<.150	<.150	<.150	<.790	<.790	<.790	<.790	<.790
Chloroform	<.28	<.28	<.28	<.28	<1.30	<1.30	<1.30	<1.30	<1.30
Chloromethane	<.31	<.31	<.31	<.31	<.61	<.61	<.61	<.61	<.61
Chloroprene					<.23				
Chromium	<.355	<.729	<3.650	<2.920	1.320	<.980	<.980	<1.100	<1.100
Chrysene					<.33				
cis-1,2-Dichloroethene	.414	.385	.484	.449	.401	.439	.345	<.210	.487
cis-1,3-Dichloropropene	<.15	<.15	<.15	<.15	<.25	<.25	<.25	<.25	<.25
Cobalt	1.160	1.870	1.530	1.790	2.840	.851	9.880	.703	2.330
Copper	<1.220	<2.190	<11.000	<8.760	.859	<2.000	<2.000	<3.200	<1.500
Cyanide					<.0042				
delta-BHC					<.00247				
Diallate					<.245				
Dibenzo(a,h)anthracene					<1.95				
Dibenzofuran					<.255				
Dibromomethane	<.18	<.18	<.18	<.18	<.33	<.33	<.33	<.33	<.33
Dichlorodifluoromethane	1.770	1.860	.898	1.110	.962				
Dieldrin					<.00215				
Diethyl phthalate					<.287				
Dimethoate					<.287				
Dimethyl phthalate					<2.33				
Di-n-butyl phthalate									
Di-n-butylphthalate					<1.22				
Di-n-octyl phthalate									
Di-n-octylphthalate					<2.82				
Dinoseb					<.457				
Diphenylamine					<.702				
Disulfoton					<.309				
Endosulfan I					<.00215				
Endosulfan II					<.00204				
Endosulfan Sulfate					<.00269				
Endrin					<.00204				
Endrin Aldehyde					<.00785				
Ethyl Methacrylate					<.68				
Ethyl Methanesulfonate					<.16				
Ethyl Parathion					<.191				
Ethylbenzene	<.21	<.21	<.21	<.21	<.31	<.31	<.31	<.31	<.31
Famphur					<.5				
Fluoranthene					<.723				
Fluorene					<.309				
gamma-BHC (Lindane)					<.00204				

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

Table 9

Analytical Data Summary for MW-382R

Constituents	4/15/2021	10/27/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025
Aldrin						<.05000			
Alkalinity as CaCO3	386	445	372	347	376	379	372	399	382
Allyl Chloride						<1.0			
alpha-BHC						<.05000			
Aluminum	18.0	21.3	<68.0	135.0	241.0	135.0	130.0	169.0	132.0
Anthracene						<8.000			
Antimony	<1.100	<1.100	<2.760	<2.000	<2.000	<2.000	<2.000	<2.000	<1.000
Arsenic	<.750	<.750	<3.000	<4.000	<4.000	<4.000	<4.000	<4.000	<2.000
Azobenzene						<8			
Barium	23.7	22.2	21.7	20.9	29.7	28.0	23.8	25.1	23.4
Benzene	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Benzo[a]anthracene						<8.000			
Benzo[a]pyrene						<8.00			
Benzo[b]fluoranthene						<8.00			
Benzo[ghi]perylene						<8.0			
Benzo[k]fluoranthene						<8.000			
Benzyl alcohol						<8.000			
Beryllium	<.270	<.270	<1.080	<4.000	<4.000	<4.000	<4.000	<4.000	<.500
beta-BHC						<.05000			
bis (2-chloroisopropyl) ether									
Bis(2-chloroethoxy)methane						<8.000			
Bis(2-chloroethyl)ether						<8.000			
Bis(2-ethylhexyl)phthalate						16.00	<6.00	<6.00	
Bis[2-Chloroisopropyl]ether						<8			
Bromochloromethane	<.54	<.54	<.54	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromoform	<.78	<.78	<.78	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromomethane	<1.100	<1.100	<1.100	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000
Butylbenzylphthalate						<8.00			
Cadmium	<.0510	<.0510	<.2200	<.8000	<.8000	<.8000	<.8000	<.8000	<.2000
Carbon Disulfide	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Carbon Tetrachloride	<.65	<.65	<.65	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlordane						<.1000			
Chlorobenzene	<.40	<.40	<.40	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlorobenzilate						<8.000			
Chlorodibromomethane	<.75	<.75	<.75	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroethane	<.790	<.790	<.790	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000
Chloroform	<1.30	<1.30	<1.30	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloromethane	<.61	<.61	<.61	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroprene						<1.00			
Chromium	<1.100	<1.100	<4.400	<8.000	<8.000	<8.000	<8.000	<8.000	1.000
Chrysene						<8.00			
cis-1,2-Dichloroethene	.289	.406	.307	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000
cis-1,3-Dichloropropene	<.25	<.25	<.25	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Cobalt	2.990	3.650	2.530	4.200	1.200	1.500	.800	6.900	.900
Copper	<1.400	<1.400	<7.200	<4.000	<4.000	<4.000	<4.000	<4.000	<5.000
Cyanide						<.0050			
delta-BHC						<.05000			
Diallate						<8.000			
Dibenzo(a,h)anthracene						<8.00			
Dibenzofuran						<8.000			
Dibromomethane	<.33	<.33	<.33	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Dichlorodifluoromethane						<1.000			
Dieldrin						<.05000			
Diethyl phthalate						<8.000			
Dimethoate						<.400			
Dimethyl phthalate						<8.00			
Di-n-butyl phthalate						<8			
Di-n-butylphthalate									
Di-n-octyl phthalate						<8			
Di-n-octylphthalate									
Dinoseb						<.500			
Diphenylamine						<8.000			
Disulfoton						<.400			
Endosulfan I						<.05000			
Endosulfan II						<.05000			
Endosulfan Sulfate						<.05000			
Endrin						<.05000			
Endrin Aldehyde						<.05000			
Ethyl Methacrylate						<10.00			
Ethyl Methanesulfonate						<8.00			
Ethyl Parathion									
Ethylbenzene	<.31	<.31	<.31	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Famphur						<.4			
Fluoranthene						<8.000			
Fluorene						<8.000			
gamma-BHC (Lindane)						<.05000			

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

Table 9

Analytical Data Summary for MW-382R

Constituents	9/15/2025
Aldrin	
Alkalinity as CaCO ₃	398
Allyl Chloride	
alpha-BHC	
Aluminum	<50.0
Anthracene	
Antimony	<1.000
Arsenic	<2.000
Azobenzene	
Barium	24.3
Benzene	<1.00
Benzo[a]anthracene	
Benzo[a]pyrene	
Benzo[b]fluoranthene	
Benzo[ghi]perylene	
Benzo[k]fluoranthene	
Benzyl alcohol	
Beryllium	<.500
beta-BHC	
bis (2-chloroisopropyl) ether	
Bis(2-chloroethoxy)methane	
Bis(2-chloroethyl)ether	
Bis(2-ethylhexyl)phthalate	
Bis[2-Chloroisopropyl]ether	
Bromochloromethane	<1.00
Bromodichloromethane	<1.00
Bromoform	<1.00
Bromomethane	<1.000
Butylbenzylphthalate	
Cadmium	<.2000
Carbon Disulfide	1.50
Carbon Tetrachloride	<1.00
Chlordane	
Chlorobenzene	<1.00
Chlorobenzilate	
Chlorodibromomethane	<1.00
Chloroethane	<1.000
Chloroform	<1.00
Chloromethane	<1.00
Chloroprene	
Chromium	<1.000
Chrysene	
cis-1,2-Dichloroethene	<1.000
cis-1,3-Dichloropropene	<1.00
Cobalt	4.000
Copper	<5.000
Cyanide	
delta-BHC	
Diallate	
Dibenzo(a,h)anthracene	
Dibenzofuran	
Dibromomethane	<1.00
Dichlorodifluoromethane	
Dieldrin	
Diethyl phthalate	
Dimethoate	
Dimethyl phthalate	
Di-n-butyl phthalate	
Di-n-butylphthalate	
Di-n-octyl phthalate	
Di-n-octylphthalate	
Dinoseb	
Diphenylamine	
Disulfoton	
Endosulfan I	
Endosulfan II	
Endosulfan Sulfate	
Endrin	
Endrin Aldehyde	
Ethyl Methacrylate	
Ethyl Methanesulfonate	
Ethyl Parathion	
Ethylbenzene	<1.00
Famphur	
Fluoranthene	
Fluorene	
gamma-BHC (Lindane)	

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

Table 9

Analytical Data Summary for MW-382R

Constituents	Units	9/20/2012	3/27/2013	9/25/2013	4/15/2014	9/26/2014	3/12/2015	9/2/2015	3/23/2016
Heptachlor	ug/L	<.0320		<.0323					
Heptachlor Epoxide	ug/L	<.03200		<.03230					
Hexachlorobenzene	ug/L	<10.000		<10.000					
Hexachlorobutadiene	ug/L	<10.000		<10.000					
Hexachlorocyclopentadiene	ug/L	<10.00		<20.00					
Hexachloroethane	ug/L	<10.000		<10.000					
Hexachloropropene	ug/L	<10.00		<10.00					
Indeno[1,2,3-cd]pyrene	ug/L	<10.00		<10.00					
Iodomethane	ug/L	<10.0	<10.0	<10.0	<10.0	<.8	<10.0	<10.0	<1.0
Iron	ug/L					116.0	52.1	<100.0	305.0
Isobutanol	ug/L	<10000		<10000					
Isodrin	ug/L	<10.000		<10.000					
Isophorone	ug/L	<10.000		<10.000					
Isosafrole	ug/L	<10.000		<10.000					
Kepon	ug/L	<10.000		<10.000					
Lead	ug/L	<4.0000	<4.0000	<4.0000	<4.0000	<.0967	<.5000	<.5000	<.2110
m,p-Xylene	ug/L								
Mercury	ug/L	<.2670		<.2000					
Methacrylonitrile	ug/L	<1.0		<1.0					
Methapyrilene	ug/L	<10.00		<10.00					
Methoxychlor	ug/L	<.03200		<.03230					
Methyl Methacrylate	ug/L	<2.00		<2.00					
Methyl Methanesulfonate	ug/L	<10.000		<10.000					
Methyl Parathion	ug/L	<10.00		<10.00					
Methylene Chloride	ug/L	<5.000	.193	<5.000	<5.000	<.170	<5.000	<5.000	<10.000
Methylphenol, 3 4	ug/L								
Naphthalene	ug/L	<5		<5					
Nickel	ug/L	<50.00	<50.00	6.59	<50.00	3.58	3.44	<5.00	3.38
Nitrobenzene	ug/L	<10.000		<10.000					
N-Nitrosodiethylamine	ug/L	<10.000		<10.000					
N-Nitrosodimethylamine	ug/L	<10.000		<10.000					
N-Nitrosodi-n-butylamine	ug/L	<10.000		<10.000					
N-Nitrosodi-n-propylamine	ug/L	<10.000		<10.000					
N-Nitrosodiphenylamine	ug/L	<10.000		<10.000					
N-Nitrosomethylethylamine	ug/L	<10.000		<10.000					
N-Nitrosopiperidine	ug/L	<10.00		<10.00					
N-Nitrosopyrrolidine	ug/L	<10.000		<10.000					
o,o,o-Triethylphosphorothioate	ug/L	<10.000		<10.000					
o-Toluidine	ug/L	<10.000		<10.000					
o-Xylene	ug/L								
p-[Dimethylamino]azobenzene	ug/L	<10		<10					
Parathion	ug/L	<10.0		<10.0					
PCB-1016	ug/L	<.8000		<.8990					
PCB-1221	ug/L	<.800		<.899					
PCB-1232	ug/L	<.800		<.899					
PCB-1242	ug/L	<.800		<.899					
PCB-1248	ug/L	<.800		<.899					
PCB-1254	ug/L	<.8000		<.8990					
PCB-1260	ug/L	<.8000		<.8990					
p-Dimethylamino azobenzene	ug/L								
Pentachlorobenzene	ug/L	<10.000		<10.000					
Pentachloronitrobenzene	ug/L	<10.000		<10.000					
Pentachlorophenol	ug/L	<10.00		<10.00					
pH	SU					6.34	6.42	6.43	6.50
Phenacetin	ug/L	<10.000		<10.000					
Phenanthrene	ug/L	<10.000		<10.000					
Phenol	ug/L	<10.00		<10.00					
Phorate	ug/L	<10.000		<10.000					
p-Phenylenediamine	ug/L	<10		<10					
Pronamide	ug/L	<10.000		<10.000					
Propionitrile	ug/L	<10.0		<10.0					
Pyrene	ug/L	<10.000		<10.000					
Safrole	ug/L	<10.000		<10.000					
Selenium	ug/L	<5.000	<5.000	<5.000	<5.000	<3.340	<5.000	<5.000	<.630
Silver	ug/L	<20.000	<20.000	<20.000	<20.000	<.042	<1.000	<1.000	<.153
Styrene	ug/L	<1.00	<1.00	<1.00	<1.00	<.10	<1.00	<1.00	<1.00
Sulfate	mg/L					1190	1230	1110	1270
Sulfide	mg/L	<1.000	<1.000	4.810	<1.000	<.219	<1.000	<1.000	<1.000
Tetrachloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.18	<1.00	<1.00	<1.00
Thallium	ug/L	<2.0000	<2.0000	<2.0000	<2.0000	<.0325	<1.0000	<1.0000	<.0255
Thionazin	ug/L	<10.00		<10.00					
Tin	ug/L	<100.000		606.000	<100.000	153.000	37.700	<100.000	<.255
Toluene	ug/L								
Total Suspended Solids	mg/L					3.140	4.140	3.670	4.330
Toxaphene	ug/L	<2.0000		<2.0200					
trans-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.21	<1.00	<1.00	<5.00
trans-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<.22	<5.00	<5.00	<1.00

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

Table 9

Analytical Data Summary for MW-382R

Constituents	10/19/2016	3/7/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	3/10/2020	9/16/2020
Heptachlor					<.0028				
Heptachlor Epoxide					<.00656				
Hexachlorobenzene					<.287				
Hexachlorobutadiene					<.181				
Hexachlorocyclopentadiene					<2.01				
Hexachloroethane					<.149				
Hexachloropropene					<1.74				
Indeno[1,2,3-cd]pyrene					<1.56				
Iodomethane	<.8	<.8	<.8	<.8	<7.0	<7.0	<7.0	<7.0	<7.0
Iron	70.4	59.4	<239.0	<191.0	112.0	<66.0	1010.0	218.0	106.0
Isobutanol					<177				
Isodrin					<.404				
Isophorone					<.234				
Isosafrole					<.191				
Kepon					<.255				
Lead	<.2110	<.3240	<1.6200	<1.3000	<.1860	<.2700	<.2700	<.2700	<.1100
m,p-Xylene					<.38				
Mercury					<.0984				
Methacrylonitrile					<3.3				
Methapyrilene					<1.45				
Methoxychlor					<.00226				
Methyl Methacrylate					<.76				
Methyl Methanesulfonate					<.149				
Methyl Parathion					<.16				
Methylene Chloride	.394	.312	<.170	<.170	<1.700	<1.700	<1.700	<1.700	<1.700
Methylphenol, 3 4					<.191				
Naphthalene					<3				
Nickel	3.20	4.23	<4.65	3.83	3.67	3.30	6.26	4.26	4.36
Nitrobenzene					<.319				
N-Nitrosodiethylamine					<.319				
N-Nitrosodimethylamine					<.202				
N-Nitrosodi-n-butylamine					<.309				
N-Nitrosodi-n-propylamine					<.277				
N-Nitrosodiphenylamine					<.702				
N-Nitrosomethylethylamine					<.213				
N-Nitrosopiperidine					<.16				
N-Nitrosopyrrolidine					<.245				
o,o,o-Triethylphosphorothioate					<.255				
o-Toluidine					<.191				
o-Xylene					<.4				
p-[Dimethylamino]azobenzene									
Parathion									
PCB-1016					<.0462				
PCB-1221					<.170				
PCB-1232					<.117				
PCB-1242					<.138				
PCB-1248					<.117				
PCB-1254					<.0979				
PCB-1260					<.0468				
p-Dimethylamino azobenzene					<.255				
Pentachlorobenzene					<.234				
Pentachloronitrobenzene					<.351				
Pentachlorophenol					<2.47				
pH	6.37	6.40	6.46	6.46	6.65	6.42	6.48	6.50	6.53
Phenacetin					<.596				
Phenanthrene					<.638				
Phenol					<2.55				
Phorate					<.181				
p-Phenylenediamine									
Pronamide					<.277				
Propionitrile					<3.4				
Pyrene					<.277				
Safrole					<.213				
Selenium	<.630	<.928	<4.640	<3.710	<.982	<1.000	<1.000	<1.000	<1.000
Silver	<.153	<.140	<.700	<.560	<.115	<.370	<.370	<.370	<.370
Styrene	<.10	<.10	<.10	<.10	<.37	<.37	<.37	<.37	<.37
Sulfate	1240	1330	1300	1260	1150	1280	1230	1250	1340
Sulfide	<.180	<.180	<.231	4.640	<.231	<.231			
Tetrachloroethene	<.18	<.18	<.18	<.18	<.48	<.48	<.48	<.48	<.48
Thallium	<.0255	<.0644	<.0644	<.2580	<.5700	<.2700	<.2700	<.2600	<.2600
Thionazin					<.33				
Tin	<.832	<1.620	<1.620	15.000	<1.300				
Toluene					<.43	<.43	<.43	<.43	<.43
Total Suspended Solids	.625	1.000	1.130	.875	<.638	1.500	.875	2.630	1.250
Toxaphene					<.0624				
trans-1,2-Dichloroethene	<.21	<.21	<.21	<.21	<.27	<.27	<.27	<.27	<.27
trans-1,3-Dichloropropene	<.22	<.22	<.22	<.22	<.56	<.56	<.56	<.56	<.56

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

Table 9

Analytical Data Summary for MW-382R

Constituents	4/15/2021	10/27/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025
Heptachlor						<.0500			
Heptachlor Epoxide						<.05000			
Hexachlorobenzene						<.050			
Hexachlorobutadiene						<8.000			
Hexachlorocyclopentadiene						<8.00			
Hexachloroethane						<8.000			
Hexachloropropene						<8.00			
Indeno[1,2,3-cd]pyrene						<8.00			
Iodomethane	<7.0	<7.0	<7.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0
Iron	222.0	386.0	262.0	423.0	685.0	<100.0	167.0	1020.0	<100.0
Isobutanol						<1000			
Isodrin						<8.000			
Isophorone						<8.000			
Isosafrole						<8.000			
Kepon						<8.000			
Lead	<.2100	.5860	<.9600	<4.0000	<4.0000	<4.0000	<4.0000	<4.0000	<1.0000
m,p-Xylene									
Mercury						<.5000			
Methacrylonitrile						<1.0			
Methapyrilene						<8.00			
Methoxychlor						<.05000			
Methyl Methacrylate						<1.00			
Methyl Methanesulfonate						<8.000			
Methyl Parathion						<.40			
Methylene Chloride	<1.700	<1.700	<1.700	<5.000	<5.000	<5.000	<5.000	<5.000	<5.000
Methylphenol, 3 4									
Naphthalene						<8			
Nickel	4.94	6.01	<7.60	6.70	4.50	6.10	<4.00	12.30	5.40
Nitrobenzene						<8.000			
N-Nitrosodiethylamine						<8.000			
N-Nitrosodimethylamine						<8.000			
N-Nitrosodi-n-butylamine						<8.000			
N-Nitrosodi-n-propylamine						<8.000			
N-Nitrosodiphenylamine						<8.000			
N-Nitrosomethylethylamine						<8.000			
N-Nitrosopiperidine						<8.00			
N-Nitrosopyrrolidine						<8.000			
o,o,o-Triethylphosphorothioate						<.400			
o-Toluidine						<8.000			
o-Xylene									
p-[Dimethylamino]azobenzene						<8			
Parathion						<.4			
PCB-1016						<.2000			
PCB-1221						<.200			
PCB-1232						<.200			
PCB-1242						<.200			
PCB-1248						<.200			
PCB-1254						<.2000			
PCB-1260						<.2000			
p-Dimethylamino azobenzene									
Pentachlorobenzene						<8.000			
Pentachloronitrobenzene						<8.000			
Pentachlorophenol						<8.00			
pH	6.48	6.43	6.62	6.30	7.10	6.50	7.00	6.40	6.60
Phenacetin						<8.000			
Phenanthrene						<8.000			
Phenol						<8.00			
Phorate						<.400			
p-Phenylenediamine									
Pronamide						<8.000			
Propionitrile						<10.0			
Pyrene						<8.000			
Safrole						<8.000			
Selenium	<.960	<.960	<3.840	<4.000	<4.000	<4.000	<4.000	<4.000	<2.000
Silver	<.420	<.420	<1.960	<4.000	<4.000	<4.000	<4.000	<4.000	<5.000
Styrene	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Sulfate	1480	1330	1320	1250	1060	1090	1030	1130	1030
Sulfide									
Tetrachloroethene	<.48	<.48	<.48	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Thallium	<.2600	<.2600	<1.0400	<2.0000	<2.0000	<2.0000	<2.0000	<2.0000	<.5000
Thionazin						<.40			
Tin						<20.000			
Toluene	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Total Suspended Solids	3.130	5.500	40.200						
Toxaphene						<.2000			
trans-1,2-Dichloroethene	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00

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

Table 9

Analytical Data Summary for MW-382R

Constituents	9/15/2025
Heptachlor	
Heptachlor Epoxide	
Hexachlorobenzene	
Hexachlorobutadiene	
Hexachlorocyclopentadiene	
Hexachloroethane	
Hexachloropropene	
Indeno[1,2,3-cd]pyrene	
Iodomethane	<1.0
Iron	1190.0
Isobutanol	
Isodrin	
Isophorone	
Isosafrole	
Kepon	
Lead	<1.0000
m,p-Xylene	
Mercury	
Methacrylonitrile	
Methapyrilene	
Methoxychlor	
Methyl Methacrylate	
Methyl Methanesulfonate	
Methyl Parathion	
Methylene Chloride	<5.000
Methylphenol, 3 4	
Naphthalene	
Nickel	8.10
Nitrobenzene	
N-Nitrosodiethylamine	
N-Nitrosodimethylamine	
N-Nitrosodi-n-butylamine	
N-Nitrosodi-n-propylamine	
N-Nitrosodiphenylamine	
N-Nitrosomethylethylamine	
N-Nitrosopiperidine	
N-Nitrosopyrrolidine	
o,o,o-Triethylphosphorothioate	
o-Toluidine	
o-Xylene	
p-[Dimethylamino]azobenzene	
Parathion	
PCB-1016	
PCB-1221	
PCB-1232	
PCB-1242	
PCB-1248	
PCB-1254	
PCB-1260	
p-Dimethylamino azobenzene	
Pentachlorobenzene	
Pentachloronitrobenzene	
Pentachlorophenol	
pH	6.30
Phenacetin	
Phenanthrene	
Phenol	
Phorate	
p-Phenylenediamine	
Pronamide	
Propionitrile	
Pyrene	
Safrole	
Selenium	<2.000
Silver	<5.000
Styrene	<1.00
Sulfate	1420
Sulfide	
Tetrachloroethene	<1.00
Thallium	<.5000
Thionazin	
Tin	
Toluene	<1.00
Total Suspended Solids	
Toxaphene	
trans-1,2-Dichloroethene	<1.00
trans-1,3-Dichloropropene	<1.00

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

Table 9

Analytical Data Summary for MW-382R

Constituents	Units	9/20/2012	3/27/2013	9/25/2013	4/15/2014	9/26/2014	3/12/2015	9/2/2015	3/23/2016
trans-1,4-Dichloro-2-butene	ug/L	<10.00	<10.00	<10.00	<10.00	<.13	<10.00	<10.00	<1.00
Trichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<.19	<1.00	<1.00	<1.00
Trichlorofluoromethane	ug/L	<4.00	<4.00	<4.00	<4.00	<.17	<4.00	<4.00	<10.00
Vanadium	ug/L	<50.000	<50.000	<50.000	<50.000	1.410	<5.000	<5.000	<5.210
Vinyl Acetate	ug/L	<2.00	<2.00	<2.00	<2.00	<.74	<10.00	<10.00	<3.00
Vinyl Chloride	ug/L	<1.000	<1.000	.345	<1.000	<.100	<1.000	<1.000	<1.000
Xylenes, Total	ug/L	<3.000	<3.000	.134	<3.000	<.130	<3.000	<3.000	<3.000
Zinc	ug/L	<20.00	58.40	175.00	<60.00	<6.95	<10.00	<10.00	<10000.00

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

Table 9

Analytical Data Summary for MW-382R

Constituents	10/19/2016	3/7/2017	9/26/2017	3/14/2018	10/2/2018	3/28/2019	9/24/2019	3/10/2020	9/16/2020
trans-1,4-Dichloro-2-butene	<.13	<.13	<.13	<.13	<1.10	<1.10	<1.10	<1.10	<1.10
Trichloroethene	<.19	<.19	<.19	<.19	<.43	<.43	<.43	<.43	<.43
Trichlorofluoromethane	<.17	<.17	<.17	<.17	<.38	<.38	<.38	<.38	<.38
Vanadium	<.255	<.840	<4.200	<3.360	<2.150	<.820	<.820	<.820	<.850
Vinyl Acetate	<.74	<.74	<.74	<.74	<2.50	<2.50	<2.50	<2.50	<2.50
Vinyl Chloride	<.100	<.100	<.100	.296	<.600	<.600	<.180	<.180	<.180
Xylenes, Total	<.130	<.130	<.130	<.130	<.400	<.400	<.400	<.400	<.400
Zinc	<5.21	<11.50	<57.50	<46.00	<6.92	<10.00	<10.00	<10.00	<10.00

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

Table 9

Analytical Data Summary for MW-382R

Constituents	4/15/2021	10/27/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024	10/3/2024	3/25/2025
trans-1,4-Dichloro-2-butene	<1.10	<1.10	<1.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Trichloroethene	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vanadium	<1.100	<1.100	<4.400	<20.000	<20.000	<20.000	<20.000	<20.000	<2.000
Vinyl Acetate	<2.50	<2.50	<2.50	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Vinyl Chloride	.206	.241	<.180	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000
Xylenes, Total	<.400	<.400	<.400	<2.000	<2.000	<2.000	<2.000	<2.000	<2.000
Zinc	<10.00	<10.00	<40.00	<20.00	<20.00	<20.00	<20.00	<20.00	<5.00

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

Table 9

Analytical Data Summary for MW-382R

Constituents	9/15/2025
trans-1,4-Dichloro-2-butene	<5.00
Trichloroethene	<1.00
Trichlorofluoromethane	<1.00
Vanadium	<2.000
Vinyl Acetate	<5.00
Vinyl Chloride	<1.000
Xylenes, Total	<2.000
Zinc	8.10

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

Table 9

Analytical Data Summary for MW-390

Constituents	Units	9/18/2012	3/27/2013	9/25/2013	4/15/2014	9/1/2015	3/22/2016	10/21/2016	3/8/2017
1,1,1,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.21	<.21
1,1,1-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.12	<.12
1,1,2,2-Tetrachloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.10	<.10
1,1,2-Trichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.12	<.12
1,1-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.21	<.21
1,1-Dichloroethene	ug/L	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<.15	<.15
1,1-Dichloropropene	ug/L	<1		<1					
1,2,3-Trichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.19	<.19
1,2,4,5-Tetrachlorobenzene	ug/L	<10.0		<10.1					
1,2,4-Trichlorobenzene	ug/L	<5		<5					
1,2-Dibromo-3-chloropropane	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.5	<.5
1,2-Dibromoethane	ug/L	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<.13	<.13
1,2-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.14	<.14
1,2-Dichloroethane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.18	<.18
1,2-Dichloropropane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.87	<.87
1,3,5-Trinitrobenzene	ug/L	<10.0		<10.1					
1,3-Dichlorobenzene	ug/L	<1		<1					
1,3-Dichloropropane	ug/L	<1		<1					
1,3-Dinitrobenzene	ug/L	<10.0		<10.1					
1,4-Dichlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.20	<.20
1,4-Naphthoquinone	ug/L	<10.0		<10.1					
1-Naphthylamine	ug/L	<10.0		<10.1					
2,2'-oxybis[1-Chloropropane]	ug/L	<10.0		<10.1					
2,2-Dichloropropane	ug/L	<4		<4					
2,3,4,6-Tetrachlorophenol	ug/L	<10.0		<10.1					
2,4,5-T	ug/L	<1.10		<1.02					
2,4,5-TP [Silvex]	ug/L	<1.10		<1.02					
2,4,5-Trichlorophenol	ug/L	<10.0		<10.1					
2,4,6-Trichlorophenol	ug/L	<10.0		<10.1					
2,4-D	ug/L	<1.10		<1.02					
2,4-Dichlorophenol	ug/L	<10.0		<10.1					
2,4-Dimethylphenol	ug/L	<10.0		<10.1					
2,4-Dinitrophenol	ug/L	<20.0		<20.2					
2,4-Dinitrotoluene	ug/L	<10.0		<10.1					
2,6-Dichlorophenol	ug/L	<10.0		<10.1					
2,6-Dinitrotoluene	ug/L	<10.0		<10.1					
2-Acetylaminofluorene	ug/L	<10.0		<10.1					
2-Butanone	ug/L	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<1.04	<1.04
2-Chloronaphthalene	ug/L	<10.0		<10.1					
2-Chlorophenol	ug/L	<10.0		<10.1					
2-Hexanone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.2	<.2
2-Methylnaphthalene	ug/L	<10.0		<10.1					
2-Methylphenol [o-Cresol]	ug/L	<10.0		<10.1					
2-Naphthylamine	ug/L	<10.0		<10.1					
2-Nitroaniline	ug/L	<10.0		<10.1					
2-Nitrophenol	ug/L	<10.0		<10.1					
3,3-Dichlorobenzidine	ug/L	<10.0		<50.5					
3,3-Dimethylbenzidine	ug/L	<10.0		<10.1					
3-Methylcholanthrene	ug/L	<10.0		<10.1					
3-Nitroaniline	ug/L	<10.0		<10.1					
4,4'-DDD	ug/L	<.0320		<.0327					
4,4'-DDE	ug/L	<.0320		<.0327					
4,4'-DDT	ug/L	<.0320		<.0327					
4,6-Dinitro-2-methylphenol	ug/L	<10.0		<10.1					
4-Aminobiphenyl	ug/L	<10.0		<10.1					
4-Bromophenyl phenyl ether	ug/L	<10.0		<10.1					
4-Chloro-3-methylphenol	ug/L	<10.0		<10.1					
4-Chloroaniline	ug/L	<10.0		<10.1					
4-Chlorophenyl phenyl ether	ug/L	<10.0		<10.1					
4-Methyl-2-pentanone	ug/L	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<.22	<.22
4-Nitroaniline	ug/L	<10.0		<10.1					
4-Nitrophenol	ug/L	<10.0		<10.1					
5-Nitro-o-toluidine	ug/L	<10.0		<10.1					
7,12-Dimethylbenz[a]anthracene	ug/L	<10.0		<10.1					
Acenaphthene	ug/L	<10.0		<10.1					
Acetone	ug/L	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<1.79	7.42
Acetonitrile	ug/L	<10000		<10000					
Acetophenone	ug/L	<10.0		<10.1					
Acrolein	ug/L	<10		<10					
Acrylonitrile	ug/L	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<.53	<.53
Aldrin	ug/L	<.0320		<.0327					
Alkalinity as CaCO3	mg/L					217	170	170	201
Allyl Chloride	ug/L	<20		<2					
alpha-BHC	ug/L	<.0320		<.0327					
Aluminum	ug/L					67.4	31.4	201.0	<41.3
Anthracene	ug/L	<10.0		<10.1					
Antimony	ug/L	<6.000	<6.000	<6.000	<6.000	<1.000	<.237	<.237	<.185

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

Table 9

Analytical Data Summary for MW-390

Constituents	9/25/2017	3/13/2018	10/1/2018	3/27/2019	9/23/2019	3/9/2020	9/17/2020	4/14/2021	10/26/2021
1,1,1,2-Tetrachloroethane	<.21	<.21	<.38	<.38	<.38	<.38	<.38	<.38	<.38
1,1,1-Trichloroethane	<.12	<.12	<.19	<.19	<.19	<.19	<.19	<.19	<.19
1,1,2,2-Tetrachloroethane	<.10	<.10	<.47	<.47	<.47	<.47	<.47	<.47	<.47
1,1,2-Trichloroethane	<.12	<.12	<.45	<.45	<.45	<.45	<.45	<.45	<.45
1,1-Dichloroethane	<.21	<.21	<.22	<.22	<.22	<.22	<.22	<.22	<.22
1,1-Dichloroethene	<.15	<.15	<.56	<.56	<.56	<.56	<.56	<.56	<.56
1,1-Dichloropropene									
1,2,3-Trichloropropane	<.19	<.19	<.59	<.59	<.59	<.59	<.59	<.59	<.59
1,2,4,5-Tetrachlorobenzene									
1,2,4-Trichlorobenzene									
1,2-Dibromo-3-chloropropane	<.5	<.5	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromoethane	<.13	<.13	<.34	<.34	<.34	<.34	<.34	<.34	<.34
1,2-Dichlorobenzene	<.14	<.14	<.37	<.37	<.37	<.37	<.37	<.37	<.37
1,2-Dichloroethane	<.18	<.18	<.39	<.39	<.39	<.39	<.39	<.39	<.39
1,2-Dichloropropane	<.87	<.87	<.27	<.27	<.27	<.27	<.27	<.27	<.27
1,3,5-Trinitrobenzene									
1,3-Dichlorobenzene									
1,3-Dichloropropane									
1,3-Dinitrobenzene									
1,4-Dichlorobenzene	<.20	<.20	<.23	<.23	<.23	<.23	<.23	<.23	<.23
1,4-Naphthoquinone									
1-Naphthylamine									
2,2'-oxybis[1-Chloropropane]									
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	<1.04	<1.04	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10
2-Chloronaphthalene									
2-Chlorophenol									
2-Hexanone	<.2	<.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-Methylnaphthalene									
2-Methylphenol [o-Cresol]									
2-Naphthylamine									
2-Nitroaniline									
2-Nitrophenol									
3,3-Dichlorobenzidine									
3,3-Dimethylbenzidine									
3-Methylcholanthrene									
3-Nitroaniline									
4,4'-DDD									
4,4'-DDE									
4,4'-DDT									
4,6-Dinitro-2-methylphenol									
4-Aminobiphenyl									
4-Bromophenyl phenyl ether									
4-Chloro-3-methylphenol									
4-Chloroaniline									
4-Chlorophenyl phenyl ether									
4-Methyl-2-pentanone	<.22	<.22	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10
4-Nitroaniline									
4-Nitrophenol									
5-Nitro-o-toluidine									
7,12-Dimethylbenz[a]anthracene									
Acenaphthene									
Acetone	2.90	<1.79	<3.10	3.35	<3.10	5.37	<3.10	<3.10	<3.10
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<.53	<.53	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20
Aldrin									
Alkalinity as CaCO3	273	254	350	252	213	209	248	287	299
Allyl Chloride									
alpha-BHC									
Aluminum	<41.3	<165.0	246.0	<27.0	188.0	112.0	24.8	92.9	131.0
Anthracene									
Antimony	<.185	<.740	<1.320	<.530	<2.120	<.580	<.510	<1.100	<1.100

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

Table 9

Analytical Data Summary for MW-390

Constituents	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/18/2024	10/3/2024	3/25/2025	9/15/2025
1,1,1,2-Tetrachloroethane	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<.19	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<.47	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<.45	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	<.22	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloropropene								
1,2,3-Trichloropropane	<.59	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene								
1,2,4-Trichlorobenzene								
1,2-Dibromo-3-chloropropane	<1.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	<.34	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,3,5-Trinitrobenzene								
1,3-Dichlorobenzene								
1,3-Dichloropropane								
1,3-Dinitrobenzene								
1,4-Dichlorobenzene	<.23	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,4-Naphthoquinone								
1-Naphthylamine								
2,2'-oxybis[1-Chloropropane]								
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	<2.10	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
2-Chloronaphthalene								
2-Chlorophenol								
2-Hexanone	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Methylnaphthalene								
2-Methylphenol [o-Cresol]								
2-Naphthylamine								
2-Nitroaniline								
2-Nitrophenol								
3,3-Dichlorobenzidine								
3,3-Dimethylbenzidine								
3-Methylcholanthrene								
3-Nitroaniline								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
4,6-Dinitro-2-methylphenol								
4-Aminobiphenyl								
4-Bromophenyl phenyl ether								
4-Chloro-3-methylphenol								
4-Chloroaniline								
4-Chlorophenyl phenyl ether								
4-Methyl-2-pentanone	<2.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
4-Nitroaniline								
4-Nitrophenol								
5-Nitro-o-toluidine								
7,12-Dimethylbenz[a]anthracene								
Acenaphthene								
Acetone	<3.10	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Acetonitrile								
Acetophenone								
Acrolein								
Acrylonitrile	<2.20	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Aldrin								
Alkalinity as CaCO3	216	218	203	250	244	231	99	222
Allyl Chloride								
alpha-BHC								
Aluminum	281.0	100.0	<50.0	232.0	129.0	162.0	179.0	<50.0
Anthracene								
Antimony	<2.760	<2.000	<2.000	<2.000	<2.000	<2.000	<1.000	<1.000

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

Table 9

Analytical Data Summary for MW-390

Constituents	Units	9/18/2012	3/27/2013	9/25/2013	4/15/2014	9/1/2015	3/22/2016	10/21/2016	3/8/2017
Arsenic	ug/L	13.90	14.00	14.70	17.60	22.30	16.70	13.70	7.25
Barium	ug/L	30.6	23.5	29.7	13.0	49.9	36.1	28.8	17.8
Benzene	ug/L	<.50	<.50	<.50	<.50	<.50	<.50	<.11	<.11
Benzo[a]anthracene	ug/L	<10.0		<10.1					
Benzo[a]pyrene	ug/L	<10.0		<10.1					
Benzo[b]fluoranthene	ug/L	<10.0		<10.1					
Benzo[ghi]perylene	ug/L	<10.0		<10.1					
Benzo[k]fluoranthene	ug/L	<10.0		<10.1					
Benzyl alcohol	ug/L	<10.0		<10.1					
Beryllium	ug/L	<1.000	<1.000	.200	<1.000	<1.000	<.221	<.221	<.125
beta-BHC	ug/L	<.0320		<.0327					
Bis(2-chloroethoxy)methane	ug/L	<10.0		<10.1					
Bis(2-chloroethyl)ether	ug/L	<10.0		<10.1					
Bis(2-ethylhexyl)phthalate	ug/L	<10.0		<10.1					
Bromochloromethane	ug/L	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<.12	<.12
Bromodichloromethane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.12	<.12
Bromoform	ug/L	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<.14	<.14
Bromomethane	ug/L	<20.00	<4.00	<4.00	<4.00	<4.00	<4.00	<.22	<.22
Butylbenzylphthalate	ug/L	<10.0		<10.1					
Cadmium	ug/L	.6620	.2810	<.5000	.3260	<.5000	<.0351	.3020	.0770
Carbon Disulfide	ug/L	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000	<.150	<.150
Carbon Tetrachloride	ug/L	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<.24	<.24
Chlordane	ug/L	<2.00		<2.04					
Chlorobenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.19	<.19
Chlorobenzilate	ug/L	<10.0		<10.1					
Chlorodibromomethane	ug/L	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<.20	<.20
Chloroethane	ug/L	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<.15	<.15
Chloroform	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.28	<.28
Chloromethane	ug/L	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<.31	<.31
Chloroprene	ug/L	<1		<1					
Chromium	ug/L	<20.000	<20.000	5.510	<20.000	<5.000	.542	1.020	<.729
Chrysene	ug/L	<10.0		<10.1					
cis-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.13	<.13
cis-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<.15	<.15
Cobalt	ug/L	108.0	123.0	97.7	103.0	108.0	92.9	90.4	120.0
Copper	ug/L	<20.00	<20.00	<20.00	<20.00	<2.00	<1.22	<1.22	<2.19
Cyanide	mg/L	<.01		<.01					
delta-BHC	ug/L	<.0320		<.0327					
Diallate	ug/L	<10.0		<10.1					
Dibenzo(a,h)anthracene	ug/L	<10.0		<10.1					
Dibenzofuran	ug/L	<10.0		<10.1					
Dibromomethane	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.18	<.18
Dichlorodifluoromethane	ug/L	<3.00	<3.00	<3.00	<3.00			<.20	<.20
Dieldrin	ug/L	<.0320		<.0327					
Diethyl phthalate	ug/L	<10.0		<10.1					
Dimethoate	ug/L	<10.0		<10.1					
Dimethyl phthalate	ug/L	<10.0		<10.1					
Di-n-butylphthalate	ug/L	<10.0		<10.1					
Di-n-octylphthalate	ug/L	<10.0		<20.2					
Dinoseb	ug/L	<10.0		<10.1					
Diphenylamine	ug/L	<10.0		<10.1					
Disulfoton	ug/L	<10.0		<10.1					
Endosulfan I	ug/L	<.0320		<.0327					
Endosulfan II	ug/L	<.0320		<.0327					
Endosulfan Sulfate	ug/L	<.0320		<.0327					
Endrin	ug/L	<.0320		<.0327					
Endrin Aldehyde	ug/L	<.0320		<.0327					
Ethyl Methacrylate	ug/L	<2		<2					
Ethyl Methanesulfonate	ug/L	<10.0		<10.1					
Ethylbenzene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.21	<.21
Famphur	ug/L	<20.0		<20.2					
Fluoranthene	ug/L	<10.0		<10.1					
Fluorene	ug/L	<10.0		<10.1					
gamma-BHC (Lindane)	ug/L	<.0320		<.0327					
Heptachlor	ug/L	<.0320		<.0327					
Heptachlor Epoxide	ug/L	<.0320		<.0327					
Hexachlorobenzene	ug/L	<10.0		<10.1					
Hexachlorobutadiene	ug/L	<10.0		<10.1					
Hexachlorocyclopentadiene	ug/L	<10.0		<20.2					
Hexachloroethane	ug/L	<10.0		<10.1					
Hexachloropropene	ug/L	<10.0		<10.1					
Indeno[1,2,3-cd]pyrene	ug/L	<10.0		<10.1					
Iodomethane	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.8	<.8
Iron	ug/L					139000	111000	100000	92700
Isobutanol	ug/L	<10000		<10000					
Isodrin	ug/L	<10.0		<10.1					
Isophorone	ug/L	<10.0		<10.1					

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

Table 9

Analytical Data Summary for MW-390

Constituents	9/25/2017	3/13/2018	10/1/2018	3/27/2019	9/23/2019	3/9/2020	9/17/2020	4/14/2021	10/26/2021
Arsenic	13.60	14.70	13.90	15.00	19.70	19.00	14.80	15.70	11.30
Barium	28.2	21.5	26.6	30.0	29.3	26.9	26.0	26.1	25.4
Benzene	<.11	<.11	<.22	<.22	<.22	<.22	<.22	<.22	<.22
Benzo[a]anthracene									
Benzo[a]pyrene									
Benzo[b]fluoranthene									
Benzo[ghi]perylene									
Benzo[k]fluoranthene									
Benzyl alcohol									
Beryllium	<.125	<.500	<.530	<.270	<1.080	<.270	<.540	<.270	<.270
beta-BHC									
Bis(2-chloroethoxy)methane									
Bis(2-chloroethyl)ether									
Bis(2-ethylhexyl)phthalate									
Bromochloromethane	<.12	<.12	<.54	<.54	<.54	<.54	<.54	<.54	<.54
Bromodichloromethane	<.12	<.12	<.39	<.39	<.39	<.39	<.39	<.39	<.39
Bromoform	<.14	<.14	<.78	<.78	<.78	<.78	<.78	<.78	<.78
Bromomethane	<.22	<.22	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10
Butylbenzylphthalate									
Cadmium	<.0441	<.1760	<.1670	<.0770	1.1200	.4670	.1080	.5250	.3080
Carbon Disulfide	.177	<.150	<.450	<.450	<.450	<.450	<.450	<.450	<.450
Carbon Tetrachloride	<.24	<.24	<.65	<.65	<.65	<.65	<.65	<.65	<.65
Chlordane									
Chlorobenzene	<.19	<.19	<.40	<.40	<.40	<.40	<.40	<.40	<.40
Chlorobenzilate									
Chlorodibromomethane	<.20	<.20	<.75	<.75	<.75	<.75	<.75	<.75	<.75
Chloroethane	<.15	<.15	<.79	<.79	<.79	<.79	<.79	<.79	<.79
Chloroform	<.28	<.28	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30
Chloromethane	<.31	<.31	<.61	<.61	<.61	<.61	<.61	<.61	<.61
Chloroprene									
Chromium	<.729	<2.920	2.060	<.980	<3.920	<1.100	<1.100	<1.100	<1.100
Chrysene									
cis-1,2-Dichloroethene	<.13	<.13	<.21	<.21	<.21	<.21	<.21	<.21	<.21
cis-1,3-Dichloropropene	<.15	<.15	<.25	<.25	<.25	<.25	<.25	<.25	<.25
Cobalt	107.0	98.2	98.9	114.0	112.0	102.0	108.0	110.0	113.0
Copper	<2.19	<8.76	1.55	<2.00	<8.00	<3.20	<1.50	<1.40	<1.40
Cyanide									
delta-BHC									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromomethane	<.18	<.18	<.33	<.33	<.33	<.33	<.33	<.33	<.33
Dichlorodifluoromethane	<.20	<.20	<.25		<.25				
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethyl phthalate									
Di-n-butylphthalate									
Di-n-octylphthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan I									
Endosulfan II									
Endosulfan Sulfate									
Endrin									
Endrin Aldehyde									
Ethyl Methacrylate									
Ethyl Methanesulfonate									
Ethylbenzene	<.21	<.21	<.31	<.31	<.31	<.31	<.31	<.31	<.31
Famphur									
Fluoranthene									
Fluorene									
gamma-BHC (Lindane)									
Heptachlor									
Heptachlor Epoxide									
Hexachlorobenzene									
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno[1,2,3-cd]pyrene									
Iodomethane	<.8	<.8	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Iron	98900	91100	115000	138000	148000	119000	117000	123000	115000
Isobutanol									
Isodrin									
Isophorone									

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

Table 9

Analytical Data Summary for MW-390

Constituents	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/18/2024	10/3/2024	3/25/2025	9/15/2025
Arsenic	22.50	19.40	16.30	16.00	17.30	18.30	17.50	16.60
Barium	19.0	14.9	17.3	12.9	17.0	16.3	16.5	18.7
Benzene	<.22	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Benzo[a]anthracene								
Benzo[a]pyrene								
Benzo[b]fluoranthene								
Benzo[ghi]perylene								
Benzo[k]fluoranthene								
Benzyl alcohol								
Beryllium	<1.080	<4.000	<4.000	<4.000	<4.000	<4.000	<.500	<.500
beta-BHC								
Bis(2-chloroethoxy)methane								
Bis(2-chloroethyl)ether								
Bis(2-ethylhexyl)phthalate								
Bromochloromethane	<.54	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	<.39	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromoform	<.78	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromomethane	<1.10	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Butylbenzylphthalate								
Cadmium	1.1900	<.8000	<.8000	<.8000	<.8000	<.8000	<.2000	<.2000
Carbon Disulfide	<.450	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000
Carbon Tetrachloride	<.65	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlordane								
Chlorobenzene	<.40	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlorobenzilate								
Chlorodibromomethane	<.75	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroethane	<.79	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	<1.30	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloromethane	<.61	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroprene								
Chromium	<4.400	<8.000	<8.000	<8.000	<8.000	<8.000	1.100	<1.000
Chrysene								
cis-1,2-Dichloroethene	<.21	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	<.25	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Cobalt	106.0	103.0	113.0	96.9	107.0	111.0	106.0	99.7
Copper	<7.20	<4.00	<4.00	<4.00	<4.00	<4.00	<5.00	<5.00
Cyanide								
delta-BHC								
Diallate								
Dibenzo(a,h)anthracene								
Dibenzofuran								
Dibromomethane	<.33	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Dichlorodifluoromethane								
Dieldrin								
Diethyl phthalate								
Dimethoate								
Dimethyl phthalate								
Di-n-butylphthalate								
Di-n-octylphthalate								
Dinoseb								
Diphenylamine								
Disulfoton								
Endosulfan I								
Endosulfan II								
Endosulfan Sulfate								
Endrin								
Endrin Aldehyde								
Ethyl Methacrylate								
Ethyl Methanesulfonate								
Ethylbenzene	<.31	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Famphur								
Fluoranthene								
Fluorene								
gamma-BHC (Lindane)								
Heptachlor								
Heptachlor Epoxide								
Hexachlorobenzene								
Hexachlorobutadiene								
Hexachlorocyclopentadiene								
Hexachloroethane								
Hexachloropropene								
Indeno[1,2,3-cd]pyrene								
Iodomethane	<7.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	137000	131000	144000	132000	130000	134000	133000	131000
Isobutanol								
Isodrin								
Isophorone								

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

Table 9

Analytical Data Summary for MW-390

Constituents	Units	9/18/2012	3/27/2013	9/25/2013	4/15/2014	9/1/2015	3/22/2016	10/21/2016	3/8/2017
Isosafrole	ug/L	<10.0		<10.1					
Kepone	ug/L	<10.0		<10.1					
Lead	ug/L	<4.000	<4.000	<4.000	<4.000	.720	<.211	2.860	<.324
Mercury	ug/L	<.267		<.200					
Methacrylonitrile	ug/L	<1		<1					
Methapyrilene	ug/L	<10.0		<10.1					
Methoxychlor	ug/L	<.0320		<.0327					
Methyl Methacrylate	ug/L	<2		<2					
Methyl Methanesulfonate	ug/L	<10.0		<10.1					
Methyl Parathion	ug/L	<10.0		<10.1					
Methylene Chloride	ug/L	<5.000	<5.000	<5.000	<5.000	<5.000	<5.000	.397	<.170
Naphthalene	ug/L	<5		<5					
Nickel	ug/L	<50.0	63.8	60.3	51.0	54.5	45.4	49.7	61.3
Nitrobenzene	ug/L	<10.0		<10.1					
N-Nitrosodiethylamine	ug/L	<10.0		<10.1					
N-Nitrosodimethylamine	ug/L	<10.0		<10.1					
N-Nitrosodi-n-butylamine	ug/L	<10.0		<10.1					
N-Nitrosodi-n-propylamine	ug/L	<10.0		<10.1					
N-Nitrosodiphenylamine	ug/L	<10.0		<10.1					
N-Nitrosomethylethylamine	ug/L	<10.0		<10.1					
N-Nitrosopiperidine	ug/L	<10.0		<10.1					
N-Nitrosopyrrolidine	ug/L	<10.0		<10.1					
o,o,o-Triethylphosphorothioate	ug/L	<10.0		<10.1					
o-Toluidine	ug/L	<10.0		<10.1					
p-[Dimethylamino]azobenzene	ug/L	<10.0		<10.1					
Parathion	ug/L	<10.0		<10.1					
PCB-1016	ug/L	<.8		<.8					
PCB-1221	ug/L	<.8		<.8					
PCB-1232	ug/L	<.8		<.8					
PCB-1242	ug/L	<.8		<.8					
PCB-1248	ug/L	<.8		<.8					
PCB-1254	ug/L	<.8		<.8					
PCB-1260	ug/L	<.8		<.8					
Pentachlorobenzene	ug/L	<10.0		<10.1					
Pentachloronitrobenzene	ug/L	<10.0		<10.1					
Pentachlorophenol	ug/L	<10.0		<10.1					
pH	SU					6.20	6.03	5.88	5.81
Phenacetin	ug/L	<10.0		<10.1					
Phenanthrene	ug/L	<10.0		<10.1					
Phenol	ug/L	<10.0		<10.1					
Phorate	ug/L	<10.0		<10.1					
p-Phenylenediamine	ug/L	<10.0		<10.1					
Pronamide	ug/L	<10.0		<10.1					
Propionitrile	ug/L	<10		<10					
Pyrene	ug/L	<10.0		<10.1					
Safrole	ug/L	<10.0		<10.1					
Selenium	ug/L	<5.000	<5.000	<5.000	<5.000	<5.000	<.630	<.630	<.928
Silver	ug/L	<20.000	<20.000	<20.000	<20.000	<1.000	<.153	<.153	<.140
Styrene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.10	<.10
Sulfate	mg/L					1530	1630	1710	2710
Sulfide	mg/L	<1.000	<1.000	<1.000	<1.000			<.180	<.180
Tetrachloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.18	<.18
Thallium	ug/L	<2.0000	<2.0000	<2.0000	<2.0000	<1.0000	<.0255	.0450	<.0644
Thionazin	ug/L	<10.0		<10.1					
Tin	ug/L	<100.000	<100.000	632.000	<100.000			<.832	<1.620
Toluene	ug/L								
Total Suspended Solids	mg/L					53.30	84.00	99.10	23.00
Toxaphene	ug/L	<2.00		<2.04					
trans-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.21	<.21
trans-1,3-Dichloropropene	ug/L	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<.22	<.22
trans-1,4-Dichloro-2-butene	ug/L	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<.13	<.13
Trichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.19	<.19
Trichlorofluoromethane	ug/L	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<.17	<.17
Vanadium	ug/L	<50.000	8.910	<50.000	<50.000	<5.000	.378	.669	<.840
Vinyl Acetate	ug/L	<2.00	<2.00	<2.00	<2.00	<10.00	<10.00	<.74	<.74
Vinyl Chloride	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<.10	<.10
Xylenes, Total	ug/L	<3.000	<3.000	<3.000	<3.000	<3.000	<3.000	.464	.566
Zinc	ug/L	94.00	207.00	200.00	27.30	48.80	<5.21	101.00	308.00

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

Table 9

Analytical Data Summary for MW-390

Constituents	9/25/2017	3/13/2018	10/1/2018	3/27/2019	9/23/2019	3/9/2020	9/17/2020	4/14/2021	10/26/2021
Isosafrole									
Kepon									
Lead	<.324	<1.300	.871	<.270	2.940	2.270	.410	1.730	2.380
Mercury									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl Methacrylate									
Methyl Methanesulfonate									
Methyl Parathion									
Methylene Chloride	<.170	.209	<1.700	<1.700	<1.700	<1.700	<1.700	<1.700	<1.700
Naphthalene									
Nickel	45.4	48.3	47.7	54.6	60.7	54.0	58.4	55.1	53.8
Nitrobenzene									
N-Nitrosodiethylamine									
N-Nitrosodimethylamine									
N-Nitrosodi-n-butylamine									
N-Nitrosodi-n-propylamine									
N-Nitrosodiphenylamine									
N-Nitrosomethylethylamine									
N-Nitrosopiperidine									
N-Nitrosopyrrolidine									
o,o,o-Triethylphosphorothioate									
o-Toluidine									
p-[Dimethylamino]azobenzene									
Parathion									
PCB-1016									
PCB-1221									
PCB-1232									
PCB-1242									
PCB-1248									
PCB-1254									
PCB-1260									
Pentachlorobenzene									
Pentachloronitrobenzene									
Pentachlorophenol									
pH	6.14	6.24	6.15	6.07	5.98	5.96	6.30	6.14	6.02
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
p-Phenylenediamine									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium	<.928	<3.710	<.982	<1.000	<4.000	<1.000	<1.000	<.960	<.960
Silver	.173	<.560	<.115	<.370	<1.480	<.370	<.370	<.420	<.420
Styrene	<.10	<.10	<.37	<.37	<.37	<.37	<.37	<.37	<.37
Sulfate	1710	1900	1790	2290	1770	1810	2010	1910	1740
Sulfide	1.940	<.231	<.231	<.231	.383	<.231	<10.000	16.200	<.231
Tetrachloroethene	<.18	<.18	<.48	<.48	<.48	<.48	<.48	<.48	<.48
Thallium	<.0644	<.2580	<.5700	<.2700	<1.0800	<.2600	<.2600	1.1700	<.2600
Thionazin									
Tin	<1.620	<6.480	<1.300	<1.800	<1.800				
Toluene			<.43	<.43	<.43	<.43	<.43	<.43	<.43
Total Suspended Solids	23.30	34.30	34.10	24.20	76.00	66.80	68.50	8.67	84.00
Toxaphene									
trans-1,2-Dichloroethene	<.21	<.21	<.27	<.27	<.27	<.27	<.27	<.27	<.27
trans-1,3-Dichloropropene	<.22	<.22	<.56	<.56	<.56	<.56	<.56	<.56	<.56
trans-1,4-Dichloro-2-butene	<.13	<.13	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10
Trichloroethene	<.19	<.19	<.43	<.43	<.43	<.43	<.43	<.43	<.43
Trichlorofluoromethane	<.17	<.17	<.38	<.38	<.38	<.38	<.38	<.38	<.38
Vanadium	<.840	<3.360	<2.150	<.820	<3.280	<.820	<.850	<1.100	<1.100
Vinyl Acetate	<.74	<.74	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Vinyl Chloride	<.10	<.10	<.60	<.60	<.18	<.18	<.18	<.18	<.18
Xylenes, Total	<.130	<.130	<.400	1.050	<.400	<.400	<.400	<.400	<.400
Zinc	65.00	100.00	85.60	75.70	293.00	118.00	94.30	192.00	56.20

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

Table 9

Analytical Data Summary for MW-390

Constituents	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/18/2024	10/3/2024	3/25/2025	9/15/2025
Isosafrole								
Kepone								
Lead	4.780	<4.000	<4.000	<4.000	<4.000	<4.000	<1.000	<1.000
Mercury								
Methacrylonitrile								
Methapyrilene								
Methoxychlor								
Methyl Methacrylate								
Methyl Methanesulfonate								
Methyl Parathion								
Methylene Chloride	<1.700	<5.000	<5.000	<5.000	<5.000	<5.000	<5.000	<5.000
Naphthalene								
Nickel	56.0	53.5	62.0	50.0	54.1	56.7	42.8	54.8
Nitrobenzene								
N-Nitrosodiethylamine								
N-Nitrosodimethylamine								
N-Nitrosodi-n-butylamine								
N-Nitrosodi-n-propylamine								
N-Nitrosodiphenylamine								
N-Nitrosomethylethylamine								
N-Nitrosopiperidine								
N-Nitrosopyrrolidine								
o,o,o-Triethylphosphorothioate								
o-Toluidine								
p-[Dimethylamino]azobenzene								
Parathion								
PCB-1016								
PCB-1221								
PCB-1232								
PCB-1242								
PCB-1248								
PCB-1254								
PCB-1260								
Pentachlorobenzene								
Pentachloronitrobenzene								
Pentachlorophenol								
pH	6.17	6.00	6.00	5.90	6.00	6.00	6.00	6.00
Phenacetin								
Phenanthrene								
Phenol								
Phorate								
p-Phenylenediamine								
Pronamide								
Propionitrile								
Pyrene								
Safrole								
Selenium	<3.840	<4.000	<4.000	<4.000	<4.000	<4.000	<2.000	<2.000
Silver	<1.960	<4.000	<4.000	<4.000	<4.000	<4.000	<5.000	<5.000
Styrene	<.37	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Sulfate	2270	2010	1910	1940	2000	2160	1820	1830
Sulfide	<.231	<.300						
Tetrachloroethene	<.48	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Thallium	<1.0400	<2.0000	<2.0000	<2.0000	<2.0000	<2.0000	<.5000	<.5000
Thionazin								
Tin								
Toluene	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Total Suspended Solids	154.00							
Toxaphene								
trans-1,2-Dichloroethene	<.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<.56	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	<1.10	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Trichloroethene	<.43	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	<.38	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vanadium	<4.400	<20.000	<20.000	<20.000	<20.000	<20.000	<2.000	<2.000
Vinyl Acetate	<2.50	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Vinyl Chloride	<.18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Xylenes, Total	<.400	<2.000	<2.000	<2.000	<2.000	<2.000	<2.000	<2.000
Zinc	487.00	107.00	115.00	122.00	184.00	170.00	127.00	137.00

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

Table 9

Analytical Data Summary for MW-601

Constituents	Units	3/9/2020	9/15/2020	4/16/2021	10/28/2021	4/13/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024
1,1,1,2-Tetrachloroethane	ug/L	<.38	<.38	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	ug/L	<.19	<.19	<.19	<.19	<.19	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	ug/L	<.47	<.47	<.47	<.47	<.47	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	ug/L	<.45	<.45	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	ug/L	<.22	<.22	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	ug/L	<.56	<.56	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	ug/L	<.59	<.59	<.59	<.59	<.59	<1.00	<1.00	<1.00	<1.00
1,2-Dibromo-3-chloropropane	ug/L	<1.2	<1.2	<1.2	<1.2	<1.2	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	ug/L	<.34	<.34	<.34	<.34	<.34	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	ug/L	<.37	<.37	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	ug/L	<.39	<.39	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	ug/L	<.27	<.27	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00
1,4-Dichlorobenzene	ug/L	<.23	<.23	<.23	<.23	<.23	<1.00	<1.00	<1.00	<1.00
2-Butanone	ug/L	<2.1	<2.1	<2.1	<2.1	<2.1	<10.0	<10.0	<10.0	<10.0
2-Hexanone	ug/L	<2	<2	<2	<2	<2	<5	<5	<5	<5
4-Methyl-2-pentanone	ug/L	<2.1	<2.1	<2.1	<2.1	<2.1	<5.0	<5.0	<5.0	<5.0
Acetone	ug/L	<3.1	<3.1	<3.1	<3.1	<3.1	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	ug/L	<2.2	<2.2	<2.2	<2.2	<2.2	<5.0	<5.0	<5.0	<5.0
Alkalinity as CaCO3	mg/L	114.0	108.0	69.3	163.0	155.0		99.0	155.0	160.0
Aluminum	ug/L	<30.0	40.9	253.0	191.0	141.0		<50.0	116.0	<50.0
Antimony	ug/L	<.58	<.51	<1.10	<4.40	<2.76	<2.00	<2.00	<2.00	<2.00
Arsenic	ug/L	<.88	<.88	<.75	3.82	<3.00	<4.00	<4.00	<4.00	<4.00
Barium	ug/L	10.90	30.90	13.50	8.82	14.00	17.00	12.60	18.10	21.20
Benzene	ug/L	<.22	<.22	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00
Beryllium	ug/L	<.27	<.27	<.27	<1.08	<1.08	<4.00	<4.00	<4.00	<4.00
Bromochloromethane	ug/L	<.54	<.54	<.54	<.54	<.54	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	ug/L	<.39	<.39	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00
Bromoform	ug/L	<.78	<.78	<.78	<.78	<.78	<1.00	<1.00	<1.00	<1.00
Bromomethane	ug/L	<1.1	<1.1	<1.1	<1.1	<1.1	<1.0	<1.0	<1.0	<1.0
Cadmium	ug/L	.089	.213	.098	<.204	<.220	<.800	<.800	<.800	<.800
Carbon Disulfide	ug/L	<.45	<.45	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00
Carbon Tetrachloride	ug/L	<.65	<.65	<.65	<.65	<.65	<1.00	<1.00	<1.00	<1.00
Chlorobenzene	ug/L	<.4	<.4	<.4	<.4	<.4	<1.0	<1.0	<1.0	<1.0
Chlorodibromomethane	ug/L	<.75	<.75	<.75	<.75	<.75	<1.00	<1.00	<1.00	<1.00
Chloroethane	ug/L	<.79	<.79	<.79	<.79	<.79	<1.00	<1.00	<1.00	<1.00
Chloroform	ug/L	<1.3	<1.3	<1.3	<1.3	<1.3	<1.0	<1.0	<1.0	<1.0
Chloromethane	ug/L	<.61	<.61	<.61	<.61	<.61	<1.00	<1.00	<1.00	<1.00
Chromium	ug/L	<1.1	<1.1	<1.1	<4.4	<4.4	<8.0	<8.0	<8.0	<8.0
cis-1,2-Dichloroethene	ug/L	<.21	<.21	<.21	<.21	<.21	<1.00	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	ug/L	<.25	<.25	<.25	<.25	<.25	<1.00	<1.00	<1.00	<1.00
Cobalt	ug/L	252.0	238.0	310.0	48.8	113.0	83.8	.8	183.0	26.5
Copper	ug/L	<3.2	<1.5	<1.4	<5.6	<7.2	<4.0	<4.0	<4.0	<4.0
Dibromomethane	ug/L	<.33	<.33	<.33	<.33	<.33	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	ug/L	<.31	<.31	<.31	<.31	<.31	<1.00	<1.00	<1.00	<1.00
Iodomethane	ug/L	<7	<7	<7	<7	<7	<1	<1	<1	<1
Iron	ug/L	65400	57300	87300	309000	23200		380	60000	3840
Lead	ug/L	<.270	.179	.357	<.840	<.960	<4.000	<4.000	<4.000	<4.000
Methylene Chloride	ug/L	<1.7	<1.7	<1.7	<1.7	<1.7	<5.0	<5.0	<5.0	<5.0
Nickel	ug/L	387.0	359.0	464.0	84.6	160.0	116.0	<4.0	243.0	46.8
pH	SU	5.88	5.96	6.06	5.72	6.24		6.90	6.20	6.40
Selenium	ug/L	<1.00	<1.00	<.96	<3.84	<3.84	<4.00	<4.00	<4.00	<4.00
Silver	ug/L	<.37	<.37	<.42	<1.68	<1.96	<4.00	<4.00	<4.00	<4.00
Styrene	ug/L	<.37	<.37	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00
Sulfate	mg/L	2570	2230	2540	2120	2270		672	2260	1090
Tetrachloroethene	ug/L	<.48	<.48	<.48	<.48	<.48	<1.00	<1.00	<1.00	<1.00
Thallium	ug/L	<.26	<.26	<.26	<1.04	<1.04	<2.00	<2.00	<2.00	<2.00
Toluene	ug/L	<.43	<.43	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00
Total Suspended Solids	mg/L	3.63	17.10	19.10	23.30	32.80				
trans-1,2-Dichloroethene	ug/L	<.27	<.27	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	ug/L	<.56	<.56	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	ug/L	<1.1	<1.1	<1.1	<1.1	<1.1	<5.0	<5.0	<5.0	<5.0
Trichloroethene	ug/L	<.43	<.43	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	ug/L	<.38	<.38	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00
Vanadium	ug/L	<.82	<.85	<1.10	<4.40	<4.40	<20.00	<20.00	<20.00	<20.00
Vinyl Acetate	ug/L	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	ug/L	<.18	<.18	<.18	<.18	<.18	<1.00	<1.00	<1.00	<1.00
Xylenes, Total	ug/L	<.4	<.4	<.4	<.4	<.4	<2.0	<2.0	<2.0	<2.0
Zinc	ug/L	129.0	122.0	164.0	381.0	67.9	39.7	<20.0	70.4	<20.0

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

Table 9

Analytical Data Summary for MW-601

Constituents	10/3/2024	3/25/2025	9/15/2025
1,1,1,2-Tetrachloroethane	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<1.00	<1.00	<1.00
1,1-Dichloroethane	<1.00	<1.00	<1.00
1,1-Dichloroethene	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	<1.00	<1.00	<1.00
1,2-Dibromo-3-chloropropane	<5.0	<5.0	<5.0
1,2-Dibromoethane	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<1.00	<1.00	<1.00
1,2-Dichloroethane	<1.00	<1.00	<1.00
1,2-Dichloropropane	<1.00	<1.00	<1.00
1,4-Dichlorobenzene	<1.00	<1.00	<1.00
2-Butanone	<10.0	<10.0	<10.0
2-Hexanone	<5	<5	<5
4-Methyl-2-pentanone	<5.0	<5.0	<5.0
Acetone	<10.0	<10.0	<10.0
Acrylonitrile	<5.0	<5.0	<5.0
Alkalinity as CaCO3	200.0	163.0	241.0
Aluminum	105.0	106.0	
Antimony	<2.00	<1.00	
Arsenic	<4.00	<2.00	
Barium	39.20	20.60	
Benzene	<1.00	<1.00	<1.00
Beryllium	<4.00	<.50	
Bromochloromethane	<1.00	<1.00	<1.00
Bromodichloromethane	<1.00	<1.00	<1.00
Bromoform	<1.00	<1.00	<1.00
Bromomethane	<1.0	<1.0	<1.0
Cadmium	<.800	<.200	
Carbon Disulfide	<1.00	<1.00	<1.00
Carbon Tetrachloride	<1.00	<1.00	<1.00
Chlorobenzene	<1.0	<1.0	<1.0
Chlorodibromomethane	<1.00	<1.00	<1.00
Chloroethane	<1.00	<1.00	<1.00
Chloroform	<1.0	<1.0	<1.0
Chloromethane	<1.00	<1.00	<1.00
Chromium	<8.0	3.3	
cis-1,2-Dichloroethene	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	<1.00	<1.00	<1.00
Cobalt	19.3	1.1	
Copper	<4.0	<5.0	
Dibromomethane	<1.00	<1.00	<1.00
Ethylbenzene	<1.00	<1.00	<1.00
Iodomethane	<1	<1	<1
Iron	19100	133	
Lead	<4.000	<1.000	
Methylene Chloride	<5.0	<5.0	<5.0
Nickel	25.8	<5.0	
pH	6.30	6.60	6.40
Selenium	<4.00	<2.00	
Silver	<4.00	<5.00	
Styrene	<1.00	<1.00	<1.00
Sulfate	829	771	785
Tetrachloroethene	<1.00	<1.00	<1.00
Thallium	<2.00	<.50	
Toluene	<1.00	<1.00	<1.00
Total Suspended Solids			
trans-1,2-Dichloroethene	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	<5.0	<5.0	<5.0
Trichloroethene	<1.00	<1.00	<1.00
Trichlorofluoromethane	<1.00	<1.00	<1.00
Vanadium	<20.00	<2.00	
Vinyl Acetate	<5.0	<5.0	<5.0
Vinyl Chloride	<1.00	<1.00	<1.00
Xylenes, Total	<2.0	<2.0	<2.0
Zinc	<20.0	<5.0	

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

Table 9

Analytical Data Summary for MW-602

Constituents	Units	3/9/2020	9/17/2020	4/15/2021	10/28/2021	4/13/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024
1,1,1,2-Tetrachloroethane	ug/L	<.38	<.38	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	ug/L	<.19	<.19	<.19	<.19	<.19	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	ug/L	<.47	<.47	<.47	<.47	<.47	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	ug/L	<.45	<.45	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	ug/L	<.22	<.22	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	ug/L	<.56	<.56	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	ug/L	<.59	<.59	<.59	<.59	<.59	<1.00	<1.00	<1.00	<1.00
1,2-Dibromo-3-chloropropane	ug/L	<1.2	<1.2	<1.2	<1.2	<1.2	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	ug/L	<.34	<.34	<.34	<.34	<.34	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	ug/L	<.37	<.37	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	ug/L	<.39	<.39	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	ug/L	<.27	<.27	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00
1,4-Dichlorobenzene	ug/L	<.23	<.23	<.23	<.23	<.23	<1.00	<1.00	<1.00	<1.00
2-Butanone	ug/L	<2.1	<2.1	<2.1	<2.1	<2.1	<10.0	<10.0	<10.0	<10.0
2-Hexanone	ug/L	<2	<2	<2	<2	<2	<5	<5	<5	<5
4-Methyl-2-pentanone	ug/L	<2.1	<2.1	<2.1	<2.1	<2.1	<5.0	<5.0	<5.0	<5.0
Acetone	ug/L	<3.1	<3.1	<3.1	<3.1	<3.1	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	ug/L	<2.2	<2.2	<2.2	<2.2	<2.2	<5.0	<5.0	<5.0	<5.0
Alkalinity as CaCO3	mg/L	85.5	108.0	24.8	4.6	155.0		85.0	94.0	<50.0
Aluminum	ug/L	34.9	22.6	28.2	31.7	77.9		<50.0	182.0	245.0
Antimony	ug/L	<.58	<.51	<1.10	<1.10	<2.76	<2.00	<2.00	<2.00	<2.00
Arsenic	ug/L	1.73	1.63	2.16	1.69	<3.00	<4.00	<4.00	<4.00	<4.00
Barium	ug/L	12.7	10.4	11.4	11.4	12.0	12.6	10.5	12.4	10.8
Benzene	ug/L	<.22	<.22	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00
Beryllium	ug/L	<.27	<.54	<.27	<.27	<1.08	<4.00	<4.00	<4.00	<4.00
Bromochloromethane	ug/L	<.54	<.54	<.54	<.54	<.54	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	ug/L	<.39	<.39	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00
Bromoform	ug/L	<.78	<.78	<.78	<.78	<.78	<1.00	<1.00	<1.00	<1.00
Bromomethane	ug/L	<1.1	<1.1	<1.1	<1.1	<1.1	<1.0	<1.0	<1.0	<1.0
Cadmium	ug/L	.089	.112	.109	.190	<.220	<.800	<.800	<.800	<.800
Carbon Disulfide	ug/L	<.45	<.45	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00
Carbon Tetrachloride	ug/L	<.65	<.65	<.65	<.65	<.65	<1.00	<1.00	<1.00	<1.00
Chlorobenzene	ug/L	<.4	<.4	<.4	<.4	<.4	<1.0	<1.0	<1.0	<1.0
Chlorodibromomethane	ug/L	<.75	<.75	<.75	<.75	<.75	<1.00	<1.00	<1.00	<1.00
Chloroethane	ug/L	<.79	<.79	<.79	<.79	<.79	<1.00	<1.00	<1.00	<1.00
Chloroform	ug/L	<1.3	<1.3	<1.3	<1.3	<1.3	<1.0	<1.0	<1.0	<1.0
Chloromethane	ug/L	<.61	<.61	<.61	<.61	<.61	<1.00	<1.00	<1.00	<1.00
Chromium	ug/L	<1.1	<1.1	<1.1	<1.1	<4.4	<8.0	<8.0	<8.0	<8.0
cis-1,2-Dichloroethene	ug/L	<.21	<.21	<.21	<.21	<.21	<1.00	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	ug/L	<.25	<.25	<.25	<.25	<.25	<1.00	<1.00	<1.00	<1.00
Cobalt	ug/L	168	216	236	205	198	247	194	203	198
Copper	ug/L	<3.20	<1.50	2.41	<1.40	<7.20	<4.00	<4.00	<4.00	<4.00
Dibromomethane	ug/L	<.33	<.33	<.33	<.33	<.33	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	ug/L	<.31	<.31	<.31	<.31	<.31	<1.00	<1.00	<1.00	<1.00
Iodomethane	ug/L	<.7	<.7	<.7	<.7	<.7	<1	<1	<1	<1
Iron	ug/L	88900	101000	110000	70800	88600		100000	51800	29200
Lead	ug/L	<.270	<.110	<.210	.676	<.960	<4.000	<4.000	<4.000	<4.000
Methylene Chloride	ug/L	<1.7	<1.7	<1.7	<1.7	<1.7	<5.0	<5.0	<5.0	<5.0
Nickel	ug/L	242	324	345	296	253	356	270	289	299
pH	SU	5.94	5.89	5.93	5.62	5.92		5.60	5.60	5.40
Selenium	ug/L	<1.00	<1.00	<.96	<.96	<3.84	<4.00	<4.00	<4.00	<4.00
Silver	ug/L	<.37	<.37	<.42	<.42	<1.96	<4.00	<4.00	<4.00	<4.00
Styrene	ug/L	<.37	<.37	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00
Sulfate	mg/L	1490	1730	1720	1690	2050		1900	1870	2020
Tetrachloroethene	ug/L	<.48	<.48	<.48	<.48	<.48	<1.00	<1.00	<1.00	<1.00
Thallium	ug/L	<.26	<.26	<.26	<.26	<1.04	<2.00	<2.00	<2.00	<2.00
Toluene	ug/L	<.43	<.43	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00
Total Suspended Solids	mg/L	17.50	5.88	37.60	32.30	58.00				
trans-1,2-Dichloroethene	ug/L	<.27	<.27	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	ug/L	<.56	<.56	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	ug/L	<1.1	<1.1	<1.1	<1.1	<1.1	<5.0	<5.0	<5.0	<5.0
Trichloroethene	ug/L	<.43	<.43	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	ug/L	<.38	<.38	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00
Vanadium	ug/L	<.82	<.85	<1.10	<1.10	<4.40	<20.00	<20.00	<20.00	<20.00
Vinyl Acetate	ug/L	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	ug/L	<.18	<.18	<.18	<.18	<.18	<1.00	<1.00	<1.00	<1.00
Xylenes, Total	ug/L	<.4	<.4	<.4	<.4	<.4	<2.0	<2.0	<2.0	<2.0
Zinc	ug/L	104	157	166	136	107	158	102	120	142

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

Table 9

Analytical Data Summary for MW-602

Constituents	10/3/2024	3/25/2025	9/15/2025
1,1,1,2-Tetrachloroethane	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<1.00	<1.00	<1.00
1,1-Dichloroethane	<1.00	<1.00	<1.00
1,1-Dichloroethene	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	<1.00	<1.00	<1.00
1,2-Dibromo-3-chloropropane	<5.0	<5.0	<5.0
1,2-Dibromoethane	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<1.00	<1.00	<1.00
1,2-Dichloroethane	<1.00	<1.00	<1.00
1,2-Dichloropropane	<1.00	<1.00	<1.00
1,4-Dichlorobenzene	<1.00	<1.00	<1.00
2-Butanone	<10.0	<10.0	<10.0
2-Hexanone	<5	<5	<5
4-Methyl-2-pentanone	<5.0	<5.0	<5.0
Acetone	<10.0	<10.0	<10.0
Acrylonitrile	<5.0	<5.0	<5.0
Alkalinity as CaCO3	47.0	<10.0	80.0
Aluminum	248.0	172.0	<50.0
Antimony	<2.00	<1.00	<1.00
Arsenic	<4.00	<2.00	<2.00
Barium	17.7	9.7	11.7
Benzene	<1.00	<1.00	<1.00
Beryllium	<4.00	<.50	<.50
Bromochloromethane	<1.00	<1.00	<1.00
Bromodichloromethane	<1.00	<1.00	<1.00
Bromoform	<1.00	<1.00	<1.00
Bromomethane	<1.0	<1.0	<1.0
Cadmium	<.800	.200	<.200
Carbon Disulfide	<1.00	<1.00	<1.00
Carbon Tetrachloride	<1.00	<1.00	<1.00
Chlorobenzene	<1.0	<1.0	<1.0
Chlorodibromomethane	<1.00	<1.00	<1.00
Chloroethane	<1.00	<1.00	<1.00
Chloroform	<1.0	<1.0	<1.0
Chloromethane	<1.00	<1.00	<1.00
Chromium	<8.0	<1.0	<1.0
cis-1,2-Dichloroethene	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	<1.00	<1.00	<1.00
Cobalt	236	185	252
Copper	<4.00	<5.00	<5.00
Dibromomethane	<1.00	<1.00	<1.00
Ethylbenzene	<1.00	<1.00	<1.00
Iodomethane	<1	<1	<1
Iron	10100	63700	107000
Lead	<4.000	<1.000	<1.000
Methylene Chloride	<5.0	<5.0	<5.0
Nickel	361	254	367
pH	5.30	5.50	5.60
Selenium	<4.00	<2.00	<2.00
Silver	<4.00	<5.00	<5.00
Styrene	<1.00	<1.00	<1.00
Sulfate	1900	1810	2200
Tetrachloroethene	<1.00	<1.00	<1.00
Thallium	<2.00	<.50	<.50
Toluene	<1.00	<1.00	<1.00
Total Suspended Solids			
trans-1,2-Dichloroethene	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	<5.0	<5.0	<5.0
Trichloroethene	<1.00	<1.00	<1.00
Trichlorofluoromethane	<1.00	<1.00	<1.00
Vanadium	<20.00	<2.00	<2.00
Vinyl Acetate	<5.0	<5.0	<5.0
Vinyl Chloride	<1.00	<1.00	<1.00
Xylenes, Total	<2.0	<2.0	<2.0
Zinc	166	114	199

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

Table 9

Analytical Data Summary for MW-603

Constituents	Units	3/10/2020	9/17/2020	4/14/2021	10/26/2021	4/14/2022	9/1/2022	3/6/2023	9/29/2023	3/19/2024
1,1,1,2-Tetrachloroethane	ug/L	<.38	<.38	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	ug/L	<.19	<.19	<.19	<.19	<.19	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	ug/L	<.47	<.47	<.47	<.47	<.47	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	ug/L	<.45	<.45	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	ug/L	<.22	<.22	<.22	<.22	<.22	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	ug/L	<.56	<.56	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	ug/L	<.59	<.59	<.59	<.59	<.59	<1.00	<1.00	<1.00	<1.00
1,2-Dibromo-3-chloropropane	ug/L	<1.2	<1.2	<1.2	<1.2	<1.2	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	ug/L	<.34	<.34	<.34	<.34	<.34	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	ug/L	<.37	<.37	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	ug/L	<.39	<.39	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	ug/L	<.27	<.27	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00
1,4-Dichlorobenzene	ug/L	<.23	<.23	<.23	<.23	<.23	<1.00	<1.00	<1.00	<1.00
2-Butanone	ug/L	<2.1	<2.1	<2.1	<2.1	<2.1	<10.0	<10.0	<10.0	<10.0
2-Hexanone	ug/L	<2	<2	<2	<2	<2	<5	<5	<5	<5
4-Methyl-2-pentanone	ug/L	<2.1	<2.1	<2.1	<2.1	<2.1	<5.0	<5.0	<5.0	<5.0
Acetone	ug/L	<3.1	<3.1	<3.1	<3.1	<3.1	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	ug/L	<2.2	<2.2	<2.2	<2.2	<2.2	<5.0	<5.0	<5.0	<5.0
Alkalinity as CaCO3	mg/L	475	497	455	464	451		361	410	381
Aluminum	ug/L	630.0	29.1	15.1	71.0	94.4		128.0	128.0	104.0
Antimony	ug/L	<.58	<.51	<1.10	<1.10	<2.76	<2.00	<2.00	<2.00	<2.00
Arsenic	ug/L	4.24	6.53	6.47	5.35	4.55	<4.00	5.20	4.90	5.10
Barium	ug/L	42.8	26.8	41.3	31.4	23.8	20.8	34.6	22.5	21.3
Benzene	ug/L	.312	<.220	<.220	<.220	<.220	<1.000	<1.000	<1.000	<1.000
Beryllium	ug/L	<.27	<.27	<.27	<.27	<1.08	<4.00	<4.00	<4.00	<4.00
Bromochloromethane	ug/L	<.54	<.54	<.54	<.54	<.54	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	ug/L	<.39	<.39	<.39	<.39	<.39	<1.00	<1.00	<1.00	<1.00
Bromoform	ug/L	<.78	<.78	<.78	<.78	<.78	<1.00	<1.00	<1.00	<1.00
Bromomethane	ug/L	<1.1	<1.1	<1.1	<1.1	<1.1	<1.0	<1.0	<1.0	<1.0
Cadmium	ug/L	.070	<.049	<.051	.112	<.220	<.800	<.800	<.800	<.800
Carbon Disulfide	ug/L	<.45	<.45	<.45	<.45	<.45	<1.00	<1.00	<1.00	<1.00
Carbon Tetrachloride	ug/L	<.65	<.65	<.65	<.65	<.65	<1.00	<1.00	<1.00	<1.00
Chlorobenzene	ug/L	<.4	<.4	<.4	<.4	<.4	<1.0	<1.0	<1.0	<1.0
Chlorodibromomethane	ug/L	<.75	<.75	<.75	<.75	<.75	<1.00	<1.00	<1.00	<1.00
Chloroethane	ug/L	<.79	<.79	<.79	<.79	<.79	<1.00	<1.00	<1.00	<1.00
Chloroform	ug/L	<1.3	<1.3	<1.3	<1.3	<1.3	<1.0	<1.0	<1.0	<1.0
Chloromethane	ug/L	<.61	<.61	<.61	<.61	<.61	<1.00	<1.00	<1.00	<1.00
Chromium	ug/L	1.35	<1.10	<1.10	<1.10	<4.40	<8.00	<8.00	<8.00	<8.00
cis-1,2-Dichloroethene	ug/L	<.21	<.21	<.21	<.21	<.21	<1.00	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	ug/L	<.25	<.25	<.25	<.25	<.25	<1.00	<1.00	<1.00	<1.00
Cobalt	ug/L	24.6	50.4	33.6	26.1	34.9	55.9	19.7	12.5	22.1
Copper	ug/L	<3.2	<1.5	<1.4	<1.4	<7.2	<4.0	<4.0	<4.0	<4.0
Dibromomethane	ug/L	<.33	<.33	<.33	<.33	<.33	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	ug/L	<.31	<.31	<.31	<.31	<.31	<1.00	<1.00	<1.00	<1.00
Iodomethane	ug/L	<.7	<.7	<.7	<.7	<.7	<1	<1	<1	<1
Iron	ug/L	34000	41000	62500	53300	48200		43700	49800	43200
Lead	ug/L	2.360	<.110	<.210	.704	<.960	<4.000	<4.000	<4.000	<4.000
Methylene Chloride	ug/L	<1.7	<1.7	<1.7	<1.7	<1.7	<5.0	<5.0	<5.0	<5.0
Nickel	ug/L	11.00	16.90	8.45	18.50	21.10	34.80	9.50	5.20	11.80
pH	SU	6.42	6.41	6.55	6.46	6.61		6.50	6.40	6.40
Selenium	ug/L	<1.00	<1.00	<.96	<.96	<3.84	<4.00	<4.00	<4.00	<4.00
Silver	ug/L	<.37	<.37	<.42	<.42	<1.96	<4.00	<4.00	<4.00	<4.00
Styrene	ug/L	<.37	<.37	<.37	<.37	<.37	<1.00	<1.00	<1.00	<1.00
Sulfate	mg/L	1160	1330	1530	1680	1680		2170	2300	2410
Tetrachloroethene	ug/L	<.48	<.48	<.48	<.48	<.48	<1.00	<1.00	<1.00	<1.00
Thallium	ug/L	<.26	<.26	<.26	<.26	<1.04	<2.00	<2.00	<2.00	<2.00
Toluene	ug/L	<.43	<.43	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00
Total Suspended Solids	mg/L	118.0	25.1	39.8	56.0	62.0				
trans-1,2-Dichloroethene	ug/L	<.27	<.27	<.27	<.27	<.27	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	ug/L	<.56	<.56	<.56	<.56	<.56	<1.00	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	ug/L	<1.1	<1.1	<1.1	<1.1	<1.1	<5.0	<5.0	<5.0	<5.0
Trichloroethene	ug/L	<.43	<.43	<.43	<.43	<.43	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	ug/L	<.38	<.38	<.38	<.38	<.38	<1.00	<1.00	<1.00	<1.00
Vanadium	ug/L	2.18	<.85	<1.10	<1.10	<4.40	<20.00	<20.00	<20.00	<20.00
Vinyl Acetate	ug/L	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	ug/L	<.18	<.18	<.18	<.18	<.18	<1.00	<1.00	<1.00	<1.00
Xylenes, Total	ug/L	<.4	<.4	<.4	<.4	<.4	<2.0	<2.0	<2.0	<2.0
Zinc	ug/L	12.3	<10.0	<10.0	10.4	<40.0	<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-603

Constituents	10/3/2024	3/25/2025	9/15/2025
1,1,1,2-Tetrachloroethane	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	<1.00	<1.00	<1.00
1,1-Dichloroethane	<1.00	<1.00	<1.00
1,1-Dichloroethene	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	<1.00	<1.00	<1.00
1,2-Dibromo-3-chloropropane	<5.0	<5.0	<5.0
1,2-Dibromoethane	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	<1.00	<1.00	<1.00
1,2-Dichloroethane	<1.00	<1.00	<1.00
1,2-Dichloropropane	<1.00	<1.00	<1.00
1,4-Dichlorobenzene	<1.00	<1.00	<1.00
2-Butanone	<10.0	<10.0	<10.0
2-Hexanone	<5	<5	<5
4-Methyl-2-pentanone	<5.0	<5.0	<5.0
Acetone	<10.0	<10.0	<10.0
Acrylonitrile	<5.0	<5.0	<5.0
Alkalinity as CaCO3	434	378	393
Aluminum	<50.0	186.0	<50.0
Antimony	<2.00	<1.00	<1.00
Arsenic	<4.00	4.60	5.00
Barium	19.2	20.7	21.3
Benzene	<1.000	<1.000	<1.000
Beryllium	<4.00	<.50	<.50
Bromochloromethane	<1.00	<1.00	<1.00
Bromodichloromethane	<1.00	<1.00	<1.00
Bromoform	<1.00	<1.00	<1.00
Bromomethane	<1.0	<1.0	<1.0
Cadmium	<.800	<.200	<.200
Carbon Disulfide	<1.00	<1.00	2.40
Carbon Tetrachloride	<1.00	<1.00	<1.00
Chlorobenzene	<1.0	<1.0	<1.0
Chlorodibromomethane	<1.00	<1.00	<1.00
Chloroethane	<1.00	<1.00	<1.00
Chloroform	<1.0	<1.0	<1.0
Chloromethane	<1.00	<1.00	<1.00
Chromium	<8.00	<1.00	<1.00
cis-1,2-Dichloroethene	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	<1.00	<1.00	<1.00
Cobalt	15.6	14.1	11.5
Copper	<4.0	<5.0	<5.0
Dibromomethane	<1.00	<1.00	<1.00
Ethylbenzene	<1.00	<1.00	<1.00
Iodomethane	<1	<1	<1
Iron	47700	47600	49600
Lead	<4.000	<1.000	<1.000
Methylene Chloride	<5.0	<5.0	<5.0
Nickel	6.60	6.20	7.70
pH	6.30	6.30	6.40
Selenium	<4.00	<2.00	<2.00
Silver	<4.00	<5.00	<5.00
Styrene	<1.00	<1.00	<1.00
Sulfate	2970	2670	3210
Tetrachloroethene	<1.00	<1.00	<1.00
Thallium	<2.00	<.50	<.50
Toluene	<1.00	<1.00	<1.00
Total Suspended Solids			
trans-1,2-Dichloroethene	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<1.00	<1.00	<1.00
trans-1,4-Dichloro-2-butene	<5.0	<5.0	<5.0
Trichloroethene	<1.00	<1.00	<1.00
Trichlorofluoromethane	<1.00	<1.00	<1.00
Vanadium	<20.00	<2.00	<2.00
Vinyl Acetate	<5.0	<5.0	<5.0
Vinyl Chloride	<1.00	<1.00	<1.00
Xylenes, Total	<2.0	<2.0	<2.0
Zinc	<20.0	6.4	23.3

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

Table 9

Analytical Data Summary for MW-604

Constituents	Units	9/26/2024	10/3/2024	3/25/2025	9/15/2025
1,1,1,2-Tetrachloroethane	ug/L	<1	<1	<1	<1
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/L	<1	<1	<1	<1
1,1,2-Trichloroethane	ug/L	<1	<1	<1	<1
1,1-Dichloroethane	ug/L	<1	<1	<1	<1
1,1-Dichloroethene	ug/L	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/L	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/L	<5	<5	<5	<5
1,2-Dibromoethane	ug/L	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/L	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	<1	<1	<1	<1
1,2-Dichloropropane	ug/L	<1	<1	<1	<1
1,4-Dichlorobenzene	ug/L	<1	<1	<1	<1
2-Butanone	ug/L	<10	<10	<10	<10
2-Hexanone	ug/L	<5	<5	<5	<5
4-Methyl-2-pentanone	ug/L	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5
Alkalinity as CaCO3	mg/L		164	55	121
Aluminum	ug/L		111	159	<50
Antimony	ug/L	<2	<2	<1	<1
Arsenic	ug/L	<4	<4	<2	<2
Barium	ug/L	40.6	24.2	19.9	15.1
Benzene	ug/L	<1	<1	<1	<1
Beryllium	ug/L	<4.0	<4.0	<5	<5
Bromochloromethane	ug/L	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1
Cadmium	ug/L	<.8	<.8	<.2	<.2
Carbon Disulfide	ug/L	<1	<1	<1	1
Carbon Tetrachloride	ug/L	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1
Chlorodibromomethane	ug/L	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1
Chromium	ug/L	<8.0	<8.0	1.1	<1.0
cis-1,2-Dichloroethene	ug/L	<1	<1	<1	<1
cis-1,3-Dichloropropene	ug/L	<1	<1	<1	<1
Cobalt	ug/L	101.0	95.0	89.0	93.8
Copper	ug/L	<4	<4	<5	<5
Dibromomethane	ug/L	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1
Iodomethane	ug/L	<1	<1	<1	<1
Iron	ug/L		61700	78900	84200
Lead	ug/L	<4	<4	<1	<1
Methylene Chloride	ug/L	<5	<5	<5	<5
Nickel	ug/L	128	119	104	145
pH	SU		5.8	5.9	5.8
Selenium	ug/L	<4	<4	<2	<2
Silver	ug/L	<4	<4	<5	<5
Styrene	ug/L	<1	<1	<1	<1
Sulfate	mg/L		2170	2100	2650
Tetrachloroethene	ug/L	<1	<1	<1	<1
Thallium	ug/L	<2.0	<2.0	<.5	<.5
Toluene	ug/L	<1	<1	<1	<1
trans-1,2-Dichloroethene	ug/L	<1	<1	<1	<1
trans-1,3-Dichloropropene	ug/L	<1	<1	<1	<1
trans-1,4-Dichloro-2-butene	ug/L	<5	<5	<5	<5
Trichloroethene	ug/L	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1
Vanadium	ug/L	<20	<20	<2	<2
Vinyl Acetate	ug/L	<5	<5	<5	<5
Vinyl Chloride	ug/L	<1	<1	<1	<1
Xylenes, Total	ug/L	<2	<2	<2	<2
Zinc	ug/L	45.7	41.2	17.6	38.0

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

Table 9

Analytical Data Summary for SW-1

Constituents	Units	9/25/2014	3/11/2015	9/2/2015	3/23/2016	10/20/2016	3/9/2017	9/27/2017	3/14/2018	10/1/2018
Alkalinity as CaCO ₃	mg/L	124.00	103.00	98.00	165.00	4.44	20.60	<1.60	119.00	124.00
Aluminum	ug/L	447.0	1060.0	9510.0	496.0	<20.8	127.0	260.0	<207.0	145.0
Antimony	ug/L									
Arsenic	ug/L									
Barium	ug/L									
Beryllium	ug/L									
Cadmium	ug/L									
Chromium	ug/L									
Cobalt	ug/L									
Copper	ug/L									
Iron	ug/L	5850.0	2530.0	15500.0	1410.0	68.5	275.0	534.0	632.0	5030.0
Lead	ug/L									
Nickel	ug/L									
pH	SU	6.83	6.58	7.22	7.71	6.42	6.78	5.57	7.23	7.29
Selenium	ug/L									
Silver	ug/L									
Sulfate	mg/L	2940	1810	2910	3010	2470	536	416	2470	3020
Thallium	ug/L									
Total Suspended Solids	mg/L	46.5	23.3	314.0	8.8					
Vanadium	ug/L									
Zinc	ug/L									

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

Table 9

Analytical Data Summary for SW-1

Constituents	3/28/2019	9/23/2019	3/9/2020	9/16/2020	4/15/2021	10/27/2021	4/13/2022	3/6/2023	3/25/2025
Alkalinity as CaCO ₃	191.00	34.70	57.00	64.80	198.00	136.00	144.00	85.00	81.00
Aluminum	813.0	185.0	268.0	77.6	67.0	224.0	<68.0	57.0	115.0
Antimony							<2.76		
Arsenic							<3		
Barium							12.3		
Beryllium							<1.08		
Cadmium							<.22		
Chromium							<4.4		
Cobalt							8.59		
Copper							<7.2		
Iron	14800.0	909.0	1790.0	739.0	1140.0	407.0	<144.0	208.0	717.0
Lead							<.96		
Nickel							17.3		
pH	7.21	7.12	6.63	7.59	8.14	7.47	8.04	7.10	7.10
Selenium							<3.84		
Silver							<1.96		
Sulfate	2970	823	1390	876	2090	221	1190	652	2380
Thallium							<1.04		
Total Suspended Solids									
Vanadium							<4.4		
Zinc							<40		

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

Table 10 – Historic SSI and SSL - NOT USED

Table 11 – Corrective Action Trend Analysis - **NOT USED**

Table 12 – Leachate Levels

Table 12
Leachate Level Monitoring
Annual Water Quality Report
SCISWA Sanitary Landfill
Permit No. 63-SDP-02-77P

2025 Monthly Leachate Monitoring

		January			February			March			April			May			June		
		Test Date	1/28/2025		Test Date	2/28/2025		Test Date	3/12/2025		Test Date	4/22/2025		Test Date	5/8/2025		Test Date	6/18/2025	
Location	Units	TD	DTW	Thickness	TD	DTW	Thickness	TD	DTW	Thickness	TD	DTW	Thickness	TD	DTW	Thickness	TD	DTW	Thickness
LW-477	feet	40.5	28.7	11.8	40.5	27.2	13.3	40.5	27.4	13.1	40.5	27.4	13.1	40.5	27.3	13.2	40.5	26.9	13.6
LW-478R	feet	86.9	86.9	0.0	86.9	86.9	0.0	86.9	86.9	0.0	86.9	86.1	0.8	86.9	86.9	0.0	86.9	86.9	0.0
LW-479	feet	36.9	24.3	12.6	35.9	25.0	10.9	36.9	25.1	11.8	36.9	25.2	11.7	36.9	25.4	11.5	36.9	25.1	11.8
LW-471R	feet	20.1	20.1	0.0	20.1	20.1	0.0	20.1	20.1	0.0	20.1	20.1	0.0	20.1	20.1	0.0	20.1	20.1	0.0
Location	Units	TD	DTW	Inches in Bottom	TD	DTW	Inches in Bottom	TD	DTW	Inches in Bottom	TD	DTW	Inches in Bottom	TD	DTW	Inches in Bottom	TD	DTW	Inches in Bottom
LHPZ-NW1	Inches	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LHPZ-4A	Inches	---	---	34.6	---	---	35.3	---	---	---	---	---	---	---	---	40.3	---	---	43.1

		July			August			September			October			November			December		
		Test Date	7/22/2025		Test Date	8/20/2025		Test Date	9/24/2025		Test Date	10/30/2025		Test Date	11/5/2025		Test Date	12/30/2025	
Location	Units	TD	DTW	Thickness	TD	DTW	Thickness	TD	DTW	Thickness	TD	DTW	Thickness	TD	DTW	Thickness	TD	DTW	Thickness
LW-477	feet	40.5	26.7	13.8	40.5	26.5	14.0	40.5	26.6	13.9	40.5	26.5	14.0	40.5	26.8	13.7	40.5	25.9	14.6
LW-478R	feet	86.9	86.9	0.0	86.9	86.9	0.0	86.9	86.9	0.0	86.9	86.9	0.0	86.9	86.9	0.0	86.9	86.9	0.0
LW-479	feet	36.9	24.7	12.2	36.9	24.7	12.2	36.9	24.5	12.4	36.9	24.7	12.2	36.9	25.7	11.2	36.9	24.8	12.1
LW-471R	feet	20.1	20.1	0.0	20.1	20.1	0.0	20.1	20.1	0.0	20.1	20.1	0.0	20.1	20.1	0.0	20.1	20.1	0.0
Location	Units	TD	DTW	Inches in Bottom	TD	DTW	Inches in Bottom	TD	DTW	Inches in Bottom	TD	DTW	Inches in Bottom	TD	DTW	Inches in Bottom	TD	DTW	Inches in Bottom
LHPZ-NW1	Inches	---	---	56.2	---	---	56.2	---	---	53.3	---	---	75.8	---	---	69.0	---	---	58.2
LHPZ-4A	Inches	---	---	43.1	---	---	46.3	---	---	47.6	---	---	43.4	---	---	44.1	---	---	36.0

TD = Total Depth
DTW = Depth to water
Thickness = Liquid Head at Point
Inches in Bottom = Inches of liquid above the transducer set at the bottom of the LHPZ

All monitoring done by Pat Flattery/Shane Spauling
(NW) = No water detected

LEACHATE PUMP READINGS (in gallons)			
DATE READING TAKEN			
	1/2/25	12/30/2025	2025 total
NW 1 Pump	1,617,351	2,383,411	
Gallons since prev reading	0	766,060	766,060
4A Pump	48,247,738	49,982,968	
Gallons since prev reading	0	1,735,230	1,735,230
Total			2,501,290
(pumped to pond-not recirc)			

Table 13 – Gas Monitoring Summary

Table 13
Landfill Gas Monitoring
Annual Water Quality Report
SCISWA Sanitary Landfill
Permit No. 63-SDP-02-77P

2025 ANNUAL GAS SAMPLING																											
Date sampled:		Tuesday, March 25, 2025				Date sampled:		Monday, June 23, 2025				Date sampled:		Wednesday, September 24, 2025				Date sampled:		Tuesday, December 16, 2025							
		From	To					From	To					From	To					From	To						
Time sampled:		10:23 AM	2:34 PM			Time sampled:		8:05 AM	11:40 AM			Time sampled:		12:30 PM	3:30 PM			Time sampled:		10:00 AM	1:00 PM						
Weather:		Start	Finish			Weather:		Start	Finish			Weather:		Start	Finish			Weather:		Start	Finish						
Temperature:		43° F	54° F			Temperature:		79°F	87°F			Temperature:		71°F	73°F			Temperature:		31°F	36°F						
Winds:		NNW 5mph	NNW 9 mph			Winds:		11mph N	15 mph NNE			Winds:		8 mph NE	8 mph NE			Winds:		13 mph SSW	11 mph SSW						
Precipitation:		None	None			Precipitation:		None	None			Precipitation:		None	None			Precipitation:		None	None						
Monitoring Point		CH4 - NOTE: (LEL OR VOL)	O2 (VOL)	H2S (PPM)	CO (PPM)	Monitoring Point		CH4 - NOTE: (LEL OR VOL)	O2 (VOL)	H2S (PPM)	CO (PPM)	Monitoring Point		CH4 - NOTE: (LEL OR VOL)	O2 (VOL)	H2S (PPM)	CO (PPM)	Monitoring Point		CH4 - NOTE: (LEL OR VOL) SPECIFY	O2 (VOL)	H2S (PPM)	CO (PPM)				
Scale House		0.0%		20.9%	0.0%	0.0%	Scale House		0.0%		20.9%	0.0	0.0	Scale House		0.0%		20.9%	0.0	0.0	Scale House		0.0%		20.9%	0.0	0.0
Monitoring well 368		0.0%		20.9%	0.0%	0.0%	Monitoring well 368		0.0%		19.2%	0.0	0.0	Monitoring well 368		0.0%		20.5%	0.0	0.0	Monitoring well 368		0.0%		20.9%	0.0	0.0
Maintance Shop		0.0%		20.9%	0.0%	0.0%	Maintance Shop		0.0%		20.9%	0.0	0.0	Maintance Shop		0.0%		20.9%	0.0	0.0	Maintance Shop		0.0%		20.9%	0.0	0.0
Monitoring well 305		0.0%		20.9%	0.0%	0.0%	Monitoring well 305		0.0%		20.3%	0.0	0.0	Monitoring well 305		0.0%		20.9%	0.0	0.0	Monitoring well 305		0.0%		20.9%	0.0	0.0
Monitoring well 304		0.0%		20.9%	0.0%	0.0%	Monitoring well 304		0.0%		19.6%	0.0	0.0	Monitoring well 304		0.0%		20.9%	0.0	0.0	Monitoring well 304		0.0%		20.9%	0.0	0.0
Gas Probe 1		0.0%		20.9%	0.0%	0.0%	Gas Probe 1		0.0%		20.0%	0.0	0.0	Gas Probe 1		0.0%		20.9%	0.0	0.0	Gas Probe 1		0.0%		20.9%	0.0	0.0
Gas Vent GP1-1 (farthest east)		0.0%		20.9%	0.0%	0.0%	Gas Vent GP1-1 (farthest east)		0.0%		20.9%	0.0	0.0	Gas Vent GP1-1 (farthest east)		0.0%		20.9%	0.0	0.0	Gas Vent GP1-1 (farthest east)		0.0%		20.9%	0.0	0.0
Gas Vent GP1-2		0.0%		20.9%	0.0%	0.0%	Gas Vent GP1-2		0.0%		20.9%	0.0	0.0	Gas Vent GP1-2		0.0%		20.9%	0.0	0.0	Gas Vent GP1-2		0.0%		20.9%	0.0	0.0
Gas Vent GP1-3 (farthest west)		0.0%		20.9%	0.0%	0.0%	Gas Vent GP1-3 (farthest west)		0.0%		20.9%	0.0	0.0	Gas Vent GP1-3 (farthest west)		0.0%		20.9%	0.0	0.0	Gas Vent GP1-3 (farthest west)		0.0%		20.9%	0.0	0.0
Gas Probe 2		0.0%		20.1%	0.0%	0.0%	Gas Probe 2		0.0%		18.8%	0.0	0.0	Gas Probe 2		0.0%		19.7%	0.0	0.0	Gas Probe 2		0.0%		20.2%	0.0	0.0
Gas Probe 3		0.0%		20.9%	0.0%	0.0%	Gas Probe 3		0.0%		20.9%	0.0	0.0	Gas Probe 3		0.0%		20.9%	0.0	0.0	Gas Probe 3		0.0%		19.9%	0.0	0.0
Gas Probe 4 (G/L)		0.0%		20.9%	0.0%	0.0%	Gas Probe 4 (G/L)		0.0%		20.9%	0.0	0.0	Gas Probe 4 (G/L)		0.0%		17.7%	0.0	0.0	Gas Probe 4 (G/L)		0.0%		220.9%	0.0	0.0
Monitoring well 381		0.0%		20.9%	0.0%	0.0%	Monitoring well 381		0.0%		20.9%	0.0	0.0	Monitoring well 381		0.0%		20.5%	0.0	0.0	Monitoring well 381		0.0%		20.9%	0.0	0.0
Gas Probe 10		0.0%		14.1%	0.0%	0.0%	Gas Probe 10		0.0%		11.3%	0.0	0.0	Gas Probe 10		0.0%		12.1%	0.0	0.0	Gas Probe 10		0.0%		12.2%	0.0	0.0
Gas Probe 5		0.0%		20.9%	0.0%	0.0%	Gas Probe 5		0.0%		20.1%	0.0	0.0	Gas Probe 5		0.0%		19.6%	0.0	0.0	Gas Probe 5		0.0%		19.6%	0.0	0.0
Gas Probe 6		0.0%		20.9%	0.0%	0.0%	Gas Probe 6		0.0%		18.8%	0.0	0.0	Gas Probe 6		0.0%		19.2%	0.0	0.0	Gas Probe 6		0.0%		19.0%	0.0	0.0
Gas Probe 7		0.0%		20.0%	0.0%	0.0%	Gas Probe 7		0.0%		20.6%	0.0	0.0	Gas Probe 7		0.0%		20.5%	0.0	0.0	Gas Probe 7		0.0%		20.6%	0.0	0.0
Monitoring well 332		0.0%		20.9%	0.0%	0.0%	Monitoring well 332		0.0%		20.9%	0.0	0.0	Monitoring well 332		0.0%		20.9%	0.0	0.0	Monitoring well 332		0.0%		20.9%	0.0	0.0
Gas Probe 8		0.0%		11.7%	0.0%	0.0%	Gas Probe 8		0.0%		16.9%	0.0	0.0	Gas Probe 8		0.0%		12.9%	0.0	0.0	Gas Probe 8		0.0%		14.0%	0.0	0.0
Gas Probe 9		0.0%		17.4%	0.0%	0.0%	Gas Probe 9		0.0%		18.8%	0.0	0.0	Gas Probe 9		0.0%		20.1%	0.0	0.0	Gas Probe 9		0.0%		19.2%	0.0	0.0
Monitoring well 331		0.0%		20.9%	0.0%	0.0%	Monitoring well 331		0.0%		20.9%	0.0	0.0	Monitoring well 331		0.0%		20.9%	0.0	0.0	Monitoring well 331		0.0%		20.9%	0.0	0.0
Leachate pond pump house		0.0%		20.9%	0.0%	0.0%	Leachate pond pump house		0.0%		20.9%	0.0	0.0	Leachate pond pump house		0.0%		20.9%	0.0	0.0	Leachate pond pump house		0.0%		20.9%	0.0	0.0
CALIBRATE LEACHATE POND PUMP HOUSE METHANE MONITOR TIME				2:01:00 PM		CALIBRATE LEACHATE POND PUMP HOUSE METHANE MONITOR TIME				11:15 AM		CALIBRATE LEACHATE POND PUMP HOUSE METHANE MONITOR TIME				2:25:00 PM		CALIBRATE LEACHATE POND PUMP HOUSE METHANE MONITOR TIME				12:00 PM					
Cell NW1 pump house		0.0%		20.9%	0.0%	0.0%	Cell NW1 pump house		0.0%		20.9%	0.0	0.0	Cell NW1 pump house		1.0%		20.9%	0.0	0.0	Cell NW1 pump house		0.0%		20.9%	0.0	0.0
CALIBRATE NW1 PUMP HOUSE METHANE MONITOR TIME				2:13:00 PM		CALIBRATE NW1 PUMP HOUSE METHANE MONITOR TIM				11:25 AM		CALIBRATE NW1 PUMP HOUSE METHANE MONITOR TIME				2:55:00 PM		CALIBRATE NW1 PUMP HOUSE METHANE MONITOR TIME				12:15 PM					
Cell 4A pump house		0.0%		20.9%	0.0%	0.0%	Cell 4A pump house		0.0%		20.9%	0.0	0.0	Cell 4A pump house		0.0%		20.9%	0.0	0.0	Cell 4A pump house		0.0%		20.9%	0.0	0.0
CALIBRATE 4A PUMP HOUSE METHANE MONITOR TIME				2:25:00 PM		CALIBRATE 4A PUMP HOUSE METHANE MONITOR TIME				10:40 AM		CALIBRATE 4A PUMP HOUSE METHANE MONITOR TIME				3:36:00 PM		CALIBRATE 4A PUMP HOUSE METHANE MONITOR TIME				12:40 PM					
Gas Vent N-1 thru N-5 Flare		89.5%	VOL	2.6%	100.0	15.0	Gas Vent N-1 thru N-5 Flare		80.5%	VOL	1.3%	100.0	27.0	Gas Vent N-1 thru N-5 Flare		64.0%	VOL	0.7%	100.0	17.0	Gas Vent N-1 thru N-5 Flare		76.0%	VOL	1.6%	100.0	18.0
GV N-1 thru N-5 Flow Rate		84.6	FPM	Temp=	68.1° F		GV N-1 thru N-5 Flow Rate		93.3	FPM	Temp=	98.3°F		GV N-1 thru N-5 Flow Rate		75.3	FPM	Temp=	80.6°F		GV N-1 thru N-5 Flow Rate		82.2	FPM	Temp=	72.5	
RICK HURT							RICK HURT							RICK HURT							RICK HURT						

Appendix A

Listing of Existing Site Monitoring Wells

Well Number	Year drilled	Drilling Company	Screened Interval (Elevation)	Bottom Boring (Elevation)	Status
MW-101	1991	LW	696.6-681.6	678	Standby
MW-103	1991	LW	707.8-692.8	686	Standby
MW-105	1994	Tuthill	710.3-690.3	643	Standby
MW-106	1994	Tuthill	707-687	673	Standby
MW-107	1994	Tuthill	713-693	686	Standby
MW-300	1994	Tuthill	783-773	761	HMSP Program
MW-303	1994	Tuthill	761-751	750	HMSP Program
MW-304	1994	Tuthill	785.5-775.5	774	HMSP Program
MW-305	1994	Tuthill	785-775	769	Water Level
MW-306	1994	Tuthill	777-767	761	Standby
MW-307	1994	Tuthill	794.2-784.2	766	HMSP Program
MW-308	1994	Tuthill	783.3-773.3	754	Standby
~~MW-309~~	~~1994~~	~~Tuthill~~	~~775.9-765.9~~	~~738~~	~~Water Level~~
MW-311	1994	Tuthill	787.2-777.2	757	Water Level
MW-312	1994	Tuthill	785.8-775.8	756	HMSP Program
MW-313	1994	Tuthill	772.5-762.5	759	HMSP Program
MW-331	1990	Patzig	762.8-752.8	742	Standby
MW-332	1990	Patzig	789.3-779.3	775	Standby
MW-333	1990	Patzig	777.4-767.4	761	Water Level
MW-335	1990	Patzig	761.8-751.8	745	HMSP Program
MW-344	1991	LW	765.4-755.4	755	HMSP Program
MW-345	1991	LW	769.1-759.1	758	Water Level
MW-368	1991	LW	839.2-829.2	828.5	Water Level
MW-376	1991	LW	758.9-753.9	701	Standby
MW-380	2008	Terracon	782.3-772.3	772.3	HMSP Program
MW-381	2008	Terracon	787.3-777.3	777.3	HMSP Program
MW-382R	2011	Terracon	766.5-756.5	754.5	HMSP Program
MW-383	2008	Terracon	777.6-767.6	765.1	Water Level
~~MW-384~~	~~2009~~	~~GSI~~	~~774.7-764.7~~	~~764~~	~~HMSP Program~~
~~MW-385~~	~~2009~~	~~GSI~~	~~778.9-768.9~~	~~769~~	~~HMSP Program~~
MW-390	2010	Terracon	799-784	781	HMSP Program
MW-601	2019	SGS	773.4-763.4	763	Preliminary HMSP
MW-602	2019	SGS	763.9-753.9	753	Preliminary HMSP
MW-603	2019	SGS	776.5-766.5	764	Preliminary HMSP
MW-604	2024	Terracon	763.4 – 753.4	753	Preliminary HMSP
MW-605	2024	Terracon	775.4 – 765.4	765	Preliminary HMSP

TPZ = Temporary Piezometer

ACC = American Coals Corporation, Bussey, Iowa

Patzig = Patzig Testing, Des Moines, Iowa

Terracon = Terracon, Des Moines, Iowa

LW = Layne-Western, Ames, Iowa

Tuthill = Tuthill, Inc., Marengo, Iowa

GSI = Geotechnical Services, Inc., Des Moines, Iowa

SGS = SGS Testing, Blair, Nebraska

~~Strike through text~~ indicates that the well has been properly plugged and abandoned

Appendix B

Field Sampling Forms

SCISWA SANITARY LANDFILL
PERMIT # 63-SDP-02-77P

3/25/2025

Sampled by: Todd Whipple

Weather Conditions: Clear Calm 38-60 degrees

IDNR Form 542-1322

Monitoring Well: MW-300

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	793.22
Well Depth	19.98
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	793.22
Well Depth	19.98
Top Screen	783.24
Bottom Screen	773.24
Bottom Well	773.24
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	14.50
Top sample	778.72
Bottom sample	774.72
Turbidity(NTU)	8.49

Date	Time	Water Level	Water Elevation	Notes
3/25/2025	11:30	12.42	780.8	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		8.49
Appendix I	Metals	250	250		8.49
Appendix I	VOC	120	120		8.49
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250			
Supplemental	Minerals	750	0		
Total			630	0	

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

TOC	793.22	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	19.98	Before purging	3/25/2025	11:30	12.42	780.80		0.0	
		After purging				793.22			
		Top of Screen January 1990				783.24			
						-2.44	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				773.24			
		Bottom of Well	3/25/2025		19.98	773.24			
						0.00	feet sedimentation		
		Before Sampling				793.22			
		Recovery				793.22			
		Recovery				793.22			
		Recovery				793.22			
		Recovery				793.22			

Monitoring Well: MW-303

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	810.22
Well Depth	57.62
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	810.22
Well Depth	57.62
Top Screen	762.60
Bottom Screen	752.60
Bottom Well	752.25
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	52.00
Top sample	758.22
Bottom sample	754.22
Turbidity(NTU)	3.41

Date	Time	Water Level	Water Elevation	Notes
3/25/2025	13:28	32.71	777.51	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		3.41
Appendix I	Metals	250	250		3.41
Appendix I	VOC	120	120		3.41
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250			
Supplemental	Minerals	750	0		
Total			630	0	

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

TOC	810.22	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	57.62	Before purging	3/25/2025	13:28	32.71	777.51		0.0	
		After purging				810.22			
		Top of Screen January 1990				762.60			
						14.91			feet above (+) or below (-) top screen
		Bottom of Well January 1990				752.60			
		Bottom of Well	3/25/2025		57.62	752.60			
						0.00			feet sedimentation
		Before Sampling				810.22			
		Recovery				810.22			
		Recovery				810.22			
		Recovery				810.22			
		Recovery				810.22			

Monitoring Well: MW-304

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	818.51
Well Depth	42.26
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	818.51
Well Depth	42.26
Top Screen	786.25
Bottom Screen	776.25
Bottom Well	776.25
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	36.50
Top sample	782.01
Bottom sample	778.01
Turbidity(NTU)	5.62

Date	Time	Water Level	Water Elevation	Notes
3/25/2025	13:46	18.89	799.62	

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		5.62
Appendix I	Metals	250	250		5.62
Appendix I	VOC	120	120		5.62
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250			
Supplemental	Minerals	750	0		
Total			630	0	

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

TOC	818.51	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	42.26	Before purging	3/25/2025	13:46	18.89	799.62		0.0	
		After purging				818.51			
		Top of Screen January 1990				786.25			
						13.37			feet above (+) or below (-) top screen
		Bottom of Well January 1990				776.25			
		Bottom of Well	3/25/2025		42.26	776.25			
						0.00			feet sedimentation
		Before Sampling				818.51			
		Recovery				818.51			
		Recovery				818.51			
		Recovery				818.51			
		Recovery				818.51			

IDNR Form 542-1322

Monitoring Well: MW-307
Background Well

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	822.23
Well Depth	37.52
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	822.23
Well Depth	37.52
Top Screen	794.71
Bottom Screen	784.71
Bottom Well	784.71
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	33.00
Top sample	789.23
Bottom sample	785.23
Turbidity(NTU)	2.21

Date	Time	Water Level	Water Elevation	Notes
3/25/2025	8:36	33.15	789.08	

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		2.21
Appendix I	Metals	250	250		2.21
Appendix I	VOC	120	120		2.21
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250	250		
Supplemental	Minerals	750	0		
Total			880	0	

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

TOC	822.23	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	37.52	Before purging	3/25/2025	8:36	33.15	789.08		0.0	
		After purging				822.23			
		Top of Screen January 1990				794.71			
						-5.63			feet above (+) or below (-) top screen
		Bottom of Well January 1990				784.71			
		Bottom of Well	3/25/2025		37.52	784.71			
						0.00			feet sedimentation
		Before Sampling				822.23			
		Recovery				822.23			
		Recovery				822.23			
		Recovery				822.23			
		Recovery				822.23			

Monitoring Well: MW-312
Background Well

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

GENERAL INFORMATION

TOC	828.05
Well Depth	40.03
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	828.05
Well Depth	40.03
Top Screen	798.02
Bottom Screen	788.02
Bottom Well	788.02
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	34.00
Top sample	794.05
Bottom sample	790.05
Turbidity(NTU)	2.34

Date	Time	Water Level	Water Elevation	Notes
3/25/2025	10:50	26.46	801.59	

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		2.34
Appendix I	Metals	250	250		2.34
Appendix I	VOC	120	120		2.34
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250	250		
Supplemental	Minerals	750	0		
Total			880	0	

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

TOC	828.05	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	40.03	Before purging	3/25/2025	10:50	26.46	801.59		0.0	
		After purging				828.05			
		Top of Screen January 1990				798.02			
						3.57			feet above (+) or below (-) top screen
		Bottom of Well January 1990				788.02			
		Bottom of Well	3/25/2025		40.03	788.02			
						0.00			feet sedimentation
		Before Sampling				828.05			
		Recovery				828.05			
		Recovery				828.05			
		Recovery				828.05			
		Recovery				828.05			

Monitoring Well: MW-313

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	813.06
Well Depth	49.21
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	813.06
Well Depth	49.21
Top Screen	773.85
Bottom Screen	763.85
Bottom Well	763.85
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	43.00
Top sample	770.06
Bottom sample	766.06
Turbidity(NTU)	49.12

Date	Time	Water Level	Water Elevation	Notes
3/25/2025	12:55	7.22	805.84	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		49.12
Appendix I	Metals	250	250		49.12
Appendix I	VOC	120	120		49.12
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250			
Supplemental	Minerals	750	0		
Total			630	0	

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

TOC	813.06	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	49.21	Before purging	3/25/2025	12:55	7.22	805.84		0.0	
		After purging				813.06			
		Top of Screen January 1990				773.85			
						31.99			feet above (+) or below (-) top screen
		Bottom of Well January 1990				763.85			
		Bottom of Well	3/25/2025		49.12	763.94			
						0.09			feet sedimentation
		Before Sampling				813.06			
		Recovery				813.06			
		Recovery				813.06			
		Recovery				813.06			
		Recovery				813.06			

Monitoring Well: MW-335

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	791.74
Well Depth	42.09
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	791.74
Well Depth	42.09
Top Screen	759.65
Bottom Screen	749.65
Bottom Well	1006.84
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	36.00
Top sample	755.74
Bottom sample	751.74
Turbidity(NTU)	23.34

Date	Time	Water Level	Water Elevation	Notes
3/25/2025	13:13	16.04	775.7	

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		23.34
Appendix I	Metals	250	250		23.34
Appendix I	VOC	120	120		23.34
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250			
Supplemental	Minerals	750	0		
Total			630	0	

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

TOC	791.74	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	42.09	Before purging	3/25/2025		16.04	775.70		0.0	
		After purging				791.74			
		Top of Screen January 1990				759.65			
						16.05			feet above (+) or below (-) top screen
		Bottom of Well January 1990				749.65			
		Bottom of Well	3/25/2025		42.09	749.65			
						0.00			feet sedimentation
		Before Sampling				791.74			
		Recovery				791.74			
		Recovery				791.74			
		Recovery				791.74			
		Recovery				791.74			

Monitoring Well: MW-344

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	786.5
Well Depth	30.21
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	786.5
Well Depth	30.21
Top Screen	766.29
Bottom Screen	756.29
Bottom Well	756.29
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	25.00
Top sample	761.50
Bottom sample	757.50
Turbidity(NTU)	44.09

Date	Time	Water Level	Water Elevation	Notes
3/25/2025	12:00	9.00	777.50	

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		44.09
Appendix I	Metals	250	250		44.09
Appendix I	VOC	120	120		44.09
Full Appendix II	10 more containers	5620	5620		
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250			
Supplemental	Minerals	750	0		
Total			6250	0	

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

TOC	786.5	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	30.21	Before purging	3/25/2025	12:00	9.00	777.50		0.0	
		After purging				786.50			
		Top of Screen January 1990				766.29			
						11.21			feet above (+) or below (-) top screen
		Bottom of Well January 1990				756.29			
		Bottom of Well	3/25/2025		30.50	756.00			
						-0.29			feet sedimentation
		Before Sampling				786.50			
		Recovery				786.50			
		Recovery				786.50			
		Recovery				786.50			
		Recovery				786.50			

Monitoring Well: MW-380

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	789.92
Well Depth	17.62
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	789.92
Well Depth	17.62
Top Screen	782.30
Bottom Screen	772.30
Bottom Well	772.30
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	12.00
Top sample	777.92
Bottom sample	773.92
Turbidity(NTU)	9.99

Date	Time	Water Level	Water Elevation	Notes
3/25/2025	11:15	7.53	782.39	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		9.99
Appendix I	Metals	250	250		9.99
Appendix I	VOC	120	120		9.99
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250			
Supplemental	Minerals	750	0		
Total			630	0	

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

TOC	789.92	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	17.62	Before purging	3/25/2025	11:15	7.53	782.39		0.0	
		After purging				789.92			
		Top of Screen January 1990				782.30			
						0.09			feet above (+) or below (-) top screen
		Bottom of Well January 1990				772.30			
		Bottom of Well	3/25/2025		17.62	772.30			
						0.00			feet sedimentation
		Before Sampling				789.92			
		Recovery				789.92			
		Recovery				789.92			
		Recovery				789.92			
		Recovery				789.92			

Monitoring Well: MW-381

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	801.43
Well Depth	24.12
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	801.43
Well Depth	24.12
Top Screen	787.31
Bottom Screen	777.31
Bottom Well	777.31
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	18.50
Top sample	782.93
Bottom sample	778.93
Turbidity(NTU)	4.08

Date	Time	Water Level	Water Elevation	Notes
3/25/2025	12:32	10.91	790.52	

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		4.08
Appendix I	Metals	250	250		4.08
Appendix I	VOC	120	120		4.08
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250			
Supplemental	Minerals	750	0		
Total			630	0	

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

TOC	801.43	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	24.12	Before purging	3/25/2025	12:32	10.91	790.52		0.0	
		After purging				801.43			
		Top of Screen January 1990				787.31			
						3.21			feet above (+) or below (-) top screen
		Bottom of Well January 1990				777.31			
		Bottom of Well	3/25/2025		24.12	777.31			
						0.00			feet sedimentation
		Before Sampling				801.43			
		Recovery				801.43			
		Recovery				801.43			
		Recovery				801.43			
		Recovery				801.43			

Monitoring Well: MW-382R

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	789.9
Well Depth	32.82
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	789.9
Well Depth	32.82
Top Screen	767.08
Bottom Screen	757.08
Bottom Well	757.08
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	27.00
Top sample	762.90
Bottom sample	758.90
Turbidity(NTU)	2.05

Date	Time	Water Level	Water Elevation	Notes
3/25/2025	12:15	12.43	777.47	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.05
Appendix I	Metals	250	250		2.05
Appendix I	VOC	120	120		2.05
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
bis2EHP	bis2EHP	250	490		
Supplemental	Minerals	750	0		
Total			1120	0	

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

TOC	789.9	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	32.82	Before purging	3/25/2025	12:15	12.43	777.47		0.0	
		After purging				789.90			
		Top of Screen January 1990				767.08			
						10.39			feet above (+) or below (-) top screen
		Bottom of Well January 1990				757.08			
		Bottom of Well	3/25/2025		32.82	757.08			
						0.00			feet sedimentation
		Before Sampling				789.90			
		Recovery				789.90			
		Recovery				789.90			
		Recovery				789.90			
		Recovery				789.90			

Monitoring Well: MW-390
Background Well

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

GENERAL INFORMATION

TOC	834.97
Well Depth	51.65
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	834.97
Well Depth	51.65
Top Screen	793.32
Bottom Screen	783.32
Bottom Well	783.32
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	46.00
Top sample	788.97
Bottom sample	784.97
Turbidity(NTU)	2.34

Date	Time	Water Level	Water Elevation	Notes
3/25/2025	8:14	37.66	797.31	

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		2.34
Appendix I	Metals	250	250		2.34
Appendix I	VOC	120	120		2.34
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250	250		
Supplemental	Minerals	750	0		
Total			880	0	

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

TOC	834.97	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	51.65	Before purging	3/25/2025	8:14	37.66	797.31		0.0	
3/25/2025		After purging				834.97			
		Top of Screen January 1990				793.32			
						3.99			feet above (+) or below (-) top screen
		Bottom of Well January 1990				783.32			
		Bottom of Well	3/25/2025		51.65	783.32			
						0.00			feet sedimentation
		Before Sampling				834.97			
		Recovery				834.97			
		Recovery				834.97			
		Recovery				834.97			
		Recovery				834.97			

Monitoring Well: MW-601

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	782.44
Well Depth	19.07
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	782.44
Well Depth	19.07
Top Screen	773.37
Bottom Screen	763.37
Bottom Well	763.37
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	13.50
Top sample	768.94
Bottom sample	764.94
Turbidity(NTU)	2.52

Date	Time	Water Level	Water Elevation	Notes
3/25/2025	9:40	12.86	769.58	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.52
Appendix I	Metals	250	250		2.52
Appendix I	VOC	120	120		2.52
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	750	0		
Total			380	0	

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

TOC	782.44	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	19.07	Before purging	3/25/2025	9:40	12.86	769.58		0.0	
		After purging				782.44			
		Top of Screen January 1990				773.37			
						-3.79			feet above (+) or below (-) top screen
		Bottom of Well January 1990				763.37			
		Bottom of Well	3/25/2025		19.75	762.69			
						-0.68			feet sedimentation
		Before Sampling				782.44			
		Recovery				782.44			
		Recovery				782.44			
		Recovery				782.44			
		Recovery				782.44			

Monitoring Well: MW-602

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	780.46
Well Depth	26.55
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	780.46
Well Depth	26.55
Top Screen	763.91
Bottom Screen	753.91
Bottom Well	753.91
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	21.50
Top sample	758.96
Bottom sample	754.96
Turbidity(NTU)	9.16

Date	Time	Water Level	Water Elevation	Notes
3/25/2025	9:59	17.79	762.67	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		9.16
Appendix I	Metals	250	250		9.16
Appendix I	VOC	120	120		9.16
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	750	0		
Total			380	0	

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

TOC	780.46	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	26.55	Before purging	3/25/2025	9:59	17.79	762.67		0.0	
		After purging				780.46			
		Top of Screen January 1990				763.91			
						-1.24			feet above (+) or below (-) top screen
		Bottom of Well January 1990				753.91			
		Bottom of Well	3/25/2025		27.31	753.15			
						-0.76			feet sedimentation
		Before Sampling				780.46			
		Recovery				780.46			
		Recovery				780.46			
		Recovery				780.46			
		Recovery				780.46			

Monitoring Well: MW-603

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	818.55
Well Depth	52.06
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	818.55
Well Depth	52.06
Top Screen	776.49
Bottom Screen	766.49
Bottom Well	766.49
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	46.50
Top sample	772.05
Bottom sample	768.05
Turbidity(NTU)	4.12

Date	Time	Water Level	Water Elevation	Notes
3/25/2025	10:29	38.18	780.37	

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		4.12
Appendix I	Metals	250	250		4.12
Appendix I	VOC	120	120		4.12
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	750	0		
Total			380	0	

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

TOC	818.55	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	52.06	Before purging	3/25/2025	10:29	38.18	780.37		0.0	
		After purging				818.55			
		Top of Screen January 1990				776.49			
						3.88			feet above (+) or below (-) top screen
		Bottom of Well January 1990				766.49			
		Bottom of Well	3/25/2025		52.31	766.24			
						-0.25			feet sedimentation
		Before Sampling				818.55			
		Recovery				818.55			
		Recovery				818.55			
		Recovery				818.55			
		Recovery				818.55			

Monitoring Well: MW-604

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	792.43
Well Depth	39.45
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	792.43
Well Depth	39.45
Top Screen	763.43
Bottom Screen	753.43
Bottom Well	752.98
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	34.00
Top sample	758.43
Bottom sample	754.43
Turbidity(NTU)	2.76

Date	Time	Water Level	Water Elevation	Notes
3/25/2025	8:59	25.85	766.58	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.76
Appendix I	Metals	250	250		2.76
Appendix I	VOC	120	120		2.76
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	750	0		
Total			380	0	

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

TOC	792.43	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	39.45	Before purging	3/25/2025	8:59	25.85	766.58		0.0	
		After purging				792.43			
		Top of Screen September 2024				763.43			
						3.15			feet above (+) or below (-) top screen
		Bottom of Well September 2024				752.98			
		Bottom of Well	3/25/2025		39.45	752.98			
						0.00			feet sedimentation
		Before Sampling				792.43			
		Recovery				792.43			
		Recovery				792.43			
		Recovery				792.43			
		Recovery				792.43			

Monitoring Well: MW-605

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	787.21
Well Depth	22.30
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	787.21
Well Depth	22.30
Top Screen	775.36
Bottom Screen	765.36
Bottom Well	764.91
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	787.21
Bottom sample	783.21
Turbidity(NTU)	

dry

Date	Time	Water Level	Water Elevation	Notes
3/25/2025		20.15	767.06	Dry

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		0.00
Appendix I	Metals	250	250		0.00
Appendix I	VOC	120	120		0.00
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	750	0		
Total			0	0	

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

TOC	787.21	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.30	Before purging	3/25/2025	0:00	20.15	767.06		0.0	
		After purging				787.21			
		Top of Screen September 2024				775.36			
						-8.30			feet above (+) or below (-) top screen
		Bottom of Well September 2024				764.91			
		Bottom of Well	3/25/2025		22.30	764.91			
						0.00			feet sedimentation
		Before Sampling				787.21			
		Recovery				787.21			
		Recovery				787.21			
		Recovery				787.21			
		Recovery				787.21			

IDNR Form 542-1324

SW-1

Date	Time	Type	Flowing	Quantity		Discolored	Odor	Litter
3/25/2025	10:14	Sediment Basin Outlet	yes	250 mL/22 sec		No	No	No
								Turbidity (NTU)
								4.68

GU-4AR

Date	Time	Type	Flowing	Quantity		Discolored	Odor	Litter
3/25/2025	9:20	tile outlet	yes	10 gpm		No	No	No
								Turbidity (NTU)
								31.39

SCISWA SANITARY LANDFILL
PERMIT # 63-SDP-02-77P

9/15/2025

Sampled by: Todd Whipple

Weather Conditions: Clear to partly cloudy, Calm 75-85 degrees

IDNR Form 542-1322

Monitoring Well: MW-300

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	793.22
Well Depth	19.98
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	793.22
Well Depth	19.98
Top Screen	783.24
Bottom Screen	773.24
Bottom Well	773.24
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	14.50
Top sample	778.72
Bottom sample	774.72
Turbidity(NTU)	1.83

Date	Time	Water Level	Water Elevation	Notes
9/15/2025	11:42	12.88	780.34	

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		1.83
Appendix I	Metals	250	250		1.83
Appendix I	VOC	120	120		1.83
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250			
Supplemental	Minerals	750	0		
Total			630	0	

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

TOC	793.22	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	19.98	Before purging	9/15/2025	11:42	12.88	780.34		0.0	
		After purging				793.22			
		Top of Screen January 1990				783.24			
						-2.90	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				773.24			
		Bottom of Well	9/15/2025		19.98	773.24			
						0.00	feet sedimentation		
		Before Sampling				793.22			
		Recovery				793.22			
		Recovery				793.22			
		Recovery				793.22			
		Recovery				793.22			

Monitoring Well: MW-303

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	810.22
Well Depth	57.62
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	810.22
Well Depth	57.62
Top Screen	762.60
Bottom Screen	752.60
Bottom Well	752.25
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	51.00
Top sample	759.22
Bottom sample	755.22
Turbidity(NTU)	2.61

Date	Time	Water Level	Water Elevation	Notes
9/15/2025	13:27	33.40	776.82	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.61
Appendix I	Metals	250	250		2.61
Appendix I	VOC	120	120		2.61
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250			
Supplemental	Minerals	750	0		
Total			630	0	

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

TOC	810.22	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	57.62	Before purging	9/15/2025	13:27	33.40	776.82		0.0	
		After purging				810.22			
		Top of Screen January 1990				762.60			
						14.22			feet above (+) or below (-) top screen
		Bottom of Well January 1990				752.60			
		Bottom of Well	9/15/2025		57.62	752.60			
						0.00			feet sedimentation
		Before Sampling				810.22			
		Recovery				810.22			
		Recovery				810.22			
		Recovery				810.22			
		Recovery				810.22			

Monitoring Well: MW-304

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	818.51
Well Depth	42.26
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	818.51
Well Depth	42.26
Top Screen	786.25
Bottom Screen	776.25
Bottom Well	776.25
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	36.00
Top sample	782.51
Bottom sample	778.51
Turbidity(NTU)	4.54

Date	Time	Water Level	Water Elevation	Notes
9/15/2025	13:44	19.04	799.47	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		4.54
Appendix I	Metals	250	250		4.54
Appendix I	VOC	120	120		4.54
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250			
Supplemental	Minerals	750	0		
Total			630	0	

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

TOC	818.51	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	42.26	Before purging	9/15/2025	13:44	19.04	799.47		0.0	
		After purging				818.51			
		Top of Screen January 1990				786.25			
						13.22			feet above (+) or below (-) top screen
		Bottom of Well January 1990				776.25			
		Bottom of Well	9/15/2025		42.26	776.25			
						0.00			feet sedimentation
		Before Sampling				818.51			
		Recovery				818.51			
		Recovery				818.51			
		Recovery				818.51			
		Recovery				818.51			

IDNR Form 542-1322

Monitoring Well: MW-307

Background Well

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	822.23
Well Depth	37.52
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	822.23
Well Depth	37.52
Top Screen	794.71
Bottom Screen	784.71
Bottom Well	784.71
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	32.50
Top sample	789.73
Bottom sample	785.73
Turbidity(NTU)	1.21

Date	Time	Water Level	Water Elevation	Notes
9/15/2025	8:16	32.65	789.58	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.21
Appendix I	Metals	250	250		1.21
Appendix I	VOC	120	120		1.21
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250	250		
Supplemental	Minerals	750	0		
Total			880	0	

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

TOC	822.23	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	37.52	Before purging	9/15/2025	8:16	32.65	789.58		0.0	
		After purging				822.23			
		Top of Screen January 1990				794.71			
						-5.13			feet above (+) or below (-) top screen
		Bottom of Well January 1990				784.71			
		Bottom of Well	9/15/2025		37.52	784.71			
						0.00			feet sedimentation
		Before Sampling				822.23			
		Recovery				822.23			
		Recovery				822.23			
		Recovery				822.23			
		Recovery				822.23			

Monitoring Well: MW-312
Background Well

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	828.05
Well Depth	40.03
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	828.05
Well Depth	40.03
Top Screen	798.02
Bottom Screen	788.02
Bottom Well	788.02
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	34.50
Top sample	793.55
Bottom sample	789.55
Turbidity(NTU)	6.44

Date	Time	Water Level	Water Elevation	Notes
9/15/2025	10:34	26.20	801.85	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		6.44
Appendix I	Metals	250	250		6.44
Appendix I	VOC	120	120		6.44
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250	250		
Supplemental	Minerals	750	0		
Total			880	0	

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

TOC	828.05	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	40.03	Before purging	9/15/2025	10:34	26.20	801.85		0.0	
		After purging				828.05			
		Top of Screen January 1990				798.02			
						3.83			feet above (+) or below (-) top screen
		Bottom of Well January 1990				788.02			
		Bottom of Well	9/15/2025		40.03	788.02			
						0.00			feet sedimentation
		Before Sampling				828.05			
		Recovery				828.05			
		Recovery				828.05			
		Recovery				828.05			
		Recovery				828.05			

Monitoring Well: MW-313

Primary Sampling Method: No-Purge for Appendix I

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

GENERAL INFORMATION

TOC	813.06
Well Depth	49.21
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	813.06
Well Depth	49.21
Top Screen	773.85
Bottom Screen	763.85
Bottom Well	763.85
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	43.00
Top sample	770.06
Bottom sample	766.06
Turbidity(NTU)	120.40

Date	Time	Water Level	Water Elevation	Notes
9/15/2025	12:54	18.15	794.91	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		120.40
Appendix I	Metals	250	250		120.40
Appendix I	VOC	120	120		120.40
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250			
Supplemental	Minerals	750	0		
Total			630	0	

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

TOC	813.06	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	49.21	Before purging	9/15/2025	12:54	18.15	794.91		0.0	
		After purging				813.06			
		Top of Screen January 1990				773.85			
						21.06			feet above (+) or below (-) top screen
		Bottom of Well January 1990				763.85			
		Bottom of Well	9/15/2025		49.12	763.94			
						0.09			feet sedimentation
		Before Sampling				813.06			
		Recovery				813.06			
		Recovery				813.06			
		Recovery				813.06			
		Recovery				813.06			

Monitoring Well: MW-335

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	791.74
Well Depth	42.09
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	791.74
Well Depth	42.09
Top Screen	759.65
Bottom Screen	749.65
Bottom Well	1006.84
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	36.00
Top sample	755.74
Bottom sample	751.74
Turbidity(NTU)	7.56

Date	Time	Water Level	Water Elevation	Notes
9/15/2025	13:10	16.37	775.37	

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		7.56
Appendix I	Metals	250	250		7.56
Appendix I	VOC	120	120		7.56
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250			
Supplemental	Minerals	750	0		
Total			630	0	

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

TOC	791.74	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	42.09	Before purging	9/15/2025		16.37	775.37		0.0	
		After purging				791.74			
		Top of Screen January 1990				759.65			
						15.72			feet above (+) or below (-) top screen
		Bottom of Well January 1990				749.65			
		Bottom of Well	9/15/2025		42.09	749.65			
						0.00			feet sedimentation
		Before Sampling				791.74			
		Recovery				791.74			
		Recovery				791.74			
		Recovery				791.74			
		Recovery				791.74			

Monitoring Well: MW-344

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	786.5
Well Depth	30.21
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	786.5
Well Depth	30.21
Top Screen	766.29
Bottom Screen	756.29
Bottom Well	756.29
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	25.00
Top sample	761.50
Bottom sample	757.50
Turbidity(NTU)	171.90

Date	Time	Water Level	Water Elevation	Notes
9/15/2025	11:59	11.41	775.09	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		171.90
Appendix I	Metals	250	250		171.90
Appendix I	VOC	120	120		171.90
Full Appendix II	10 more containers	5620	5620		
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250			
Supplemental	Minerals	750	0		
Total			6250	0	

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

TOC	786.5	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	30.21	Before purging	9/15/2025	11:59	11.41	775.09		0.0	
		After purging				786.50			
		Top of Screen January 1990				766.29			
						8.80			feet above (+) or below (-) top screen
		Bottom of Well January 1990				756.29			
		Bottom of Well	9/15/2025		30.50	756.00			
						-0.29			feet sedimentation
		Before Sampling				786.50			
		Recovery				786.50			
		Recovery				786.50			
		Recovery				786.50			
		Recovery				786.50			

Monitoring Well: MW-380

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	789.92
Well Depth	17.62
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	789.92
Well Depth	17.62
Top Screen	782.30
Bottom Screen	772.30
Bottom Well	772.30
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	12.00
Top sample	777.92
Bottom sample	773.92
Turbidity(NTU)	63.05

Date	Time	Water Level	Water Elevation	Notes
9/15/2025	11:23	7.39	782.53	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		63.05
Appendix I	Metals	250	250		63.05
Appendix I	VOC	120	120		63.05
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250			
Supplemental	Minerals	750	0		
Total			630	0	

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

TOC	789.92	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	17.62	Before purging	9/15/2025	11:23	7.39	782.53		0.0	
		After purging				789.92			
		Top of Screen January 1990				782.30			
						0.23			feet above (+) or below (-) top screen
		Bottom of Well January 1990				772.30			
		Bottom of Well	9/15/2025		17.62	772.30			
						0.00			feet sedimentation
		Before Sampling				789.92			
		Recovery				789.92			
		Recovery				789.92			
		Recovery				789.92			
		Recovery				789.92			

Monitoring Well: MW-381

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	801.43
Well Depth	24.12
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	801.43
Well Depth	24.12
Top Screen	787.31
Bottom Screen	777.31
Bottom Well	777.31
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	18.50
Top sample	782.93
Bottom sample	778.93
Turbidity(NTU)	0.61

Date	Time	Water Level	Water Elevation	Notes
9/15/2025	12:33	17.05	784.38	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		0.61
Appendix I	Metals	250	250		0.61
Appendix I	VOC	120	120		0.61
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250			
Supplemental	Minerals	750	0		
Total			630	0	

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

TOC	801.43	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	24.12	Before purging	9/15/2025	12:33	17.05	784.38		0.0	
		After purging				801.43			
		Top of Screen January 1990				787.31			
						-2.93			feet above (+) or below (-) top screen
		Bottom of Well January 1990				777.31			
		Bottom of Well	9/15/2025		24.12	777.31			
						0.00			feet sedimentation
		Before Sampling				801.43			
		Recovery				801.43			
		Recovery				801.43			
		Recovery				801.43			
		Recovery				801.43			

Monitoring Well: MW-382R

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	789.9
Well Depth	32.82
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	789.9
Well Depth	32.82
Top Screen	767.08
Bottom Screen	757.08
Bottom Well	757.08
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	26.00
Top sample	763.90
Bottom sample	759.90
Turbidity(NTU)	6.31

Date	Time	Water Level	Water Elevation	Notes
9/15/2025	12:14	12.64	777.26	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		6.31
Appendix I	Metals	250	250		6.31
Appendix I	VOC	120	120		6.31
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
bis2EHP	bis2EHP	250	490		
Supplemental	Minerals	750	0		
Total			1120	0	

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

TOC	789.9	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	32.82	Before purging	9/15/2025	12:14	12.64	777.26		0.0	
		After purging				789.90			
		Top of Screen January 1990				767.08			
						10.18			feet above (+) or below (-) top screen
		Bottom of Well January 1990				757.08			
		Bottom of Well	9/15/2025		32.82	757.08			
						0.00			feet sedimentation
		Before Sampling				789.90			
		Recovery				789.90			
		Recovery				789.90			
		Recovery				789.90			
		Recovery				789.90			

Monitoring Well: MW-390
Background Well

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

GENERAL INFORMATION

TOC	834.97
Well Depth	51.65
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	834.97
Well Depth	51.65
Top Screen	793.32
Bottom Screen	783.32
Bottom Well	783.32
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	46.00
Top sample	788.97
Bottom sample	784.97
Turbidity(NTU)	1.75

Date	Time	Water Level	Water Elevation	Notes
9/15/2025	8:00	37.33	797.64	

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		1.75
Appendix I	Metals	250	250		1.75
Appendix I	VOC	120	120		1.75
Full Appendix II	10 more containers	5620			
Acid Mine Drainage	AMD	250	250		
Sulfide	Sulfide	250	250		
Supplemental	Minerals	750	0		
Total			880	0	

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

TOC	834.97	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	51.65	Before purging	9/15/2025	8:00	37.33	797.64		0.0	
3/25/2025		After purging				834.97			
		Top of Screen January 1990				793.32			
						4.32			feet above (+) or below (-) top screen
		Bottom of Well January 1990				783.32			
		Bottom of Well	9/15/2025		51.65	783.32			
						0.00			feet sedimentation
		Before Sampling				834.97			
		Recovery				834.97			
		Recovery				834.97			
		Recovery				834.97			
		Recovery				834.97			

Monitoring Well: MW-601

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	782.44
Well Depth	19.07
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	782.44
Well Depth	19.07
Top Screen	773.37
Bottom Screen	763.37
Bottom Well	763.37
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	14.50
Top sample	767.94
Bottom sample	763.94
Turbidity(NTU)	96.79

Date	Time	Water Level	Water Elevation	Notes
9/15/2025	8:45	12.41	770.03	no metal sample

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		96.79
Appendix I	Metals	250	250		96.79
Appendix I	VOC	120	120		96.79
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	750	0		
Total			380	0	

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

TOC	782.44	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	19.07	Before purging	9/15/2025	8:45	12.41	770.03		0.0	
		After purging				782.44			
		Top of Screen January 1990				773.37			
						-3.34			feet above (+) or below (-) top screen
		Bottom of Well January 1990				763.37			
		Bottom of Well	9/15/2025		19.75	762.69			
						-0.68			feet sedimentation
		Before Sampling				782.44			
		Recovery				782.44			
		Recovery				782.44			
		Recovery				782.44			
		Recovery				782.44			

Monitoring Well: MW-602

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	780.46
Well Depth	26.55
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	780.46
Well Depth	26.55
Top Screen	763.91
Bottom Screen	753.91
Bottom Well	753.91
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	758.46
Bottom sample	754.46
Turbidity(NTU)	17.26

Date	Time	Water Level	Water Elevation	Notes
9/15/2025	9:10	17.66	762.80	

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		17.26
Appendix I	Metals	250	250		17.26
Appendix I	VOC	120	120		17.26
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	750	0		
Total			380	0	

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

TOC	780.46	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	26.55	Before purging	9/15/2025	9:10	17.66	762.80		0.0	
		After purging				780.46			
		Top of Screen January 1990				763.91			
						-1.11			feet above (+) or below (-) top screen
		Bottom of Well January 1990				753.91			
		Bottom of Well	9/15/2025		27.31	753.15			
						-0.76			feet sedimentation
		Before Sampling				780.46			
		Recovery				780.46			
		Recovery				780.46			
		Recovery				780.46			
		Recovery				780.46			

Monitoring Well: MW-603

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	818.55
Well Depth	52.06
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	818.55
Well Depth	52.06
Top Screen	776.49
Bottom Screen	766.49
Bottom Well	766.49
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	46.00
Top sample	772.55
Bottom sample	768.55
Turbidity(NTU)	14.97

Date	Time	Water Level	Water Elevation	Notes
9/15/2025	10:03	37.35	781.20	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		14.97
Appendix I	Metals	250	250		14.97
Appendix I	VOC	120	120		14.97
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	750	0		
Total			380	0	

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

TOC	818.55	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	52.06	Before purging	9/15/2025	10:03	37.35	781.20		0.0	
		After purging				818.55			
		Top of Screen January 1990				776.49			
						4.71			feet above (+) or below (-) top screen
		Bottom of Well January 1990				766.49			
		Bottom of Well	9/15/2025		52.31	766.24			
						-0.25			feet sedimentation
		Before Sampling				818.55			
		Recovery				818.55			
		Recovery				818.55			
		Recovery				818.55			
		Recovery				818.55			

Monitoring Well: MW-604

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	792.43
Well Depth	39.45
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	792.43
Well Depth	39.45
Top Screen	763.43
Bottom Screen	753.43
Bottom Well	752.98
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	34.00
Top sample	758.43
Bottom sample	754.43
Turbidity(NTU)	2.06

Date	Time	Water Level	Water Elevation	Notes
9/15/2025	9:36	25.91	766.52	

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		2.06
Appendix I	Metals	250	250		2.06
Appendix I	VOC	120	120		2.06
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	750	0		
Total			380	0	

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

TOC	792.43	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	39.45	Before purging	9/15/2025	9:36	25.91	766.52		0.0	
		After purging				792.43			
		Top of Screen September 2024				763.43			
						3.09			feet above (+) or below (-) top screen
		Bottom of Well September 2024				752.98			
		Bottom of Well	9/15/2025		39.45	752.98			
						0.00			feet sedimentation
		Before Sampling				792.43			
		Recovery				792.43			
		Recovery				792.43			
		Recovery				792.43			
		Recovery				792.43			

Monitoring Well: MW-605

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	787.21
Well Depth	22.30
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	787.21
Well Depth	22.30
Top Screen	775.36
Bottom Screen	765.36
Bottom Well	764.91
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	787.21
Bottom sample	783.21
Turbidity(NTU)	

dry

Date	Time	Water Level	Water Elevation	Notes
9/15/2025		21.63	765.58	Dry

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		0.00
Appendix I	Metals	250	250		0.00
Appendix I	VOC	120	120		0.00
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis 2	946			
Supplemental	Minerals	750	0		
Total			0	0	

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

TOC	787.21	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.30	Before purging	9/15/2025	0:00	21.63	765.58		0.0	
		After purging				787.21			
		Top of Screen September 2024				775.36			
						-9.78			feet above (+) or below (-) top screen
		Bottom of Well September 2024				764.91			
		Bottom of Well	9/15/2025		22.30	764.91			
						0.00			feet sedimentation
		Before Sampling				787.21			
		Recovery				787.21			
		Recovery				787.21			
		Recovery				787.21			
		Recovery				787.21			

IDNR Form 542-1324

SW-1

Date	Time	Type	Flowing	Quantity		Discolored	Odor	Litter
9/15/2025		Sediment Basin Outlet	dry			No	No	No
								Turbidity (NTU)

GU-4AR

Date	Time	Type	Flowing	Quantity		Discolored	Odor	Litter
9/15/2025	8:35	tile outlet	yes	10 gpm		No	No	No
								Turbidity (NTU)
								5.62

Appendix C

Statistical Report

Appendix C.1 - Otter Creek Statistical Report

**Results of the Ground Water Statistics
for South Central Iowa Solid Waste Agency Landfill**

First Semi-Annual Monitoring Events in 2025

Prepared for:
South Central Iowa Solid Waste Agency Landfill
1736 Highway T17
Tracy, IA

Prepared by:
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June 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 the South Central Iowa Solid Waste Agency (SCISWA) Landfill. The ground water monitoring wells were sampled on April 3, 2025 and analyzed for the parameters required by permit. The statistical plan was designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. Both intrawell and interwell methodologies are described and then applied to the SCISWA Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10, USEPA Guidance document (“*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance*”, March 2009), and the American Society for Testing and Materials (ASTM) standard D6312-98, *Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs*.

Ground Water Monitoring Program

The groundwater monitoring network for SCISWA Landfill includes wells MW-300, MW-303, MW-304, MW-307 (upgradient), MW-312 (upgradient), MW-313, MW-335, MW-344, MW-380, MW-381, MW-382R, MW-390 (upgradient), MW-601, MW-602, MW-603, and MW-604. An underdrain (GU-4AR) and surface water sample point (SW-1) are also available. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed 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 events in 2025 are summarized in Attachment A.

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. Both of these methods were applied to the SCISWA 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 consistent with all USEPA regulations and guidance and the ASTM D6312-98 guidance. Ground water statistics are to be done on the constituents listed.

Intrawell Statistics

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

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

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

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

Many groundwater monitoring parameters are not detected at a frequency great enough to generate the combined Shewhart-CUSUM control charts. For constituents that are detected less than 25% of the time

at a particular well, the data should be plotted as a time series until a sufficient number of data points are available to provide a 99% confidence nonparametric prediction limit. Thirteen independent measurements (with 1 resample) are necessary to achieve a 99% confidence (1% false positive rate) nonparametric prediction limit. Eight independent measurements (for pass 1 of 2 resamples) are necessary to achieve a 99% confidence nonparametric prediction limit. The nonparametric prediction limit is the largest determination out of the data set collected for that well and parameter. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

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

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

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

Results of the Intrawell Statistics

The detection monitoring constituents were evaluated using the combined Shewhart-CUSUM control chart method. The background used to determine control limits includes the data obtained from September 2012 through 2021. A summary of the intrawell statistics is included in Attachment B, Table 1 “Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts.” The control charts or time series graphs follow the summary table. For the most current data, the control limit exceedances detected are summarized in the table below.

Control Limit Exceedances at SCISWA Landfill during the First Semi-Annual Monitoring Event in 2025

Well	Parameter	Result	CUSUM Value	Control Limit	Prediction Limit Type	Verified/ Awaiting verification
MW-300	Beryllium, µg/L	1.1	--	0.5300	Nonparametric	Awaiting verification
	Cobalt, µg/L	462	766.8410	653.2496	Normal	Verified
	Nickel, µg/L	540	665.3264	535.6816	Normal	Verified
MW-312	Barium, µg/L	25.6	38.1942	33.6507	Normal	Verified

An increasing trend was detected in the background data for nickel at MW-335.

A control chart factor was selected to provide a balance of the site-wide false positive and false negative rates. A statistical power curve indicates the expected false assessments for the site as a whole. The site-wide false positive rate is 9% and the test becomes sensitive to 4 standard deviation units over background.

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-307, MW-312, and MW-390 during the period from September 2012 through the current data. A summary of the background data from monitoring wells MW-307, MW-312, and MW-390 is listed in Attachment C, 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-300, MW-303, MW-304, MW-313, MW-335, MW-344, MW-380, MW-381, MW-382R, MW-601, MW-602, MW-603, MW-604, and GU-AR compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the most current data, the site prediction limit exceedances detected are summarized in the table below.

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

Well	Parameter	Result	Prediction Limit	Prediction Limit Type	Verified/ Awaiting verification
MW-300	Beryllium, µg/L	1.1	1.0000	Nonparametric	Awaiting verification
	Cobalt, µg/L	462	139.4531	Normal	Verified
	Nickel, µg/L	540	142.7589	Normal	Verified
MW-303	Barium, µg/L	72.9	49.9000	Nonparametric	Verified
MW-304	Barium, µg/L	82.9	49.9000	Nonparametric	Verified
MW-344	Cobalt, µg/L	220	139.4531	Normal	Verified
	Nickel, µg/L	147	142.7589	Normal	Awaiting verification
MW-380	Cadmium, µg/L	5.6	1.1900	Nonparametric	Awaiting verification
	Nickel, µg/L	237	142.7589	Normal	Verified
MW-602	Cobalt, µg/L	185	139.4531	Normal	Verified
	Nickel, µg/L	254	142.7589	Normal	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. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 1% and the test becomes sensitive to 5 standard deviation unit increases over background.

The trace metals which have exceeded ground water protection standards (GWPS) or verified statistical exceedances were evaluated against the GWPS using confidence limits (Attachment D). 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 GWPS 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 arsenic at MW-390 (16.153 µg/L) exceeded the GWPS of 10 µg/L.

The 95% LCL for cobalt at MW-300 (494.551 µg/L) exceeded the GWPS of 2.1 µg/L.

The 95% LCL for cobalt at MW-303 (10.022 µg/L) exceeded the GWPS of 2.1 µg/L.

The 95% LCL for cobalt at MW-304 (2.862 µg/L) exceeded the GWPS of 2.1 µg/L.

The 95% LCL for cobalt at MW-307 (35.855 µg/L) exceeded the GWPS of 2.1 µg/L.

The 95% LCL for cobalt at MW-312 (36.582 µg/L) exceeded the GWPS of 2.1 µg/L.

The 95% LCL for cobalt at MW-335 (35.099 µg/L) exceeded the GWPS of 2.1 µg/L.
The 95% LCL for cobalt at MW-344 (137.556 µg/L) exceeded the GWPS of 2.1 µg/L.
The 95% LCL for cobalt at MW-380 (25.959 µg/L) exceeded the GWPS of 2.1 µg/L.
The 95% LCL for cobalt at MW-390 (98.219 µg/L) exceeded the GWPS of 2.1 µg/L.
The 95% LCL for cobalt at MW-602 (179.972 µg/L) exceeded the GWPS of 2.1 µg/L.
The 95% LCL for cobalt at MW-603 (11.121 µg/L) exceeded the GWPS of 2.1 µg/L.

The 95% LCL for nickel at MW-300 (553.794 µg/L) exceeded the GWPS of 100 µg/L.
The 95% LCL for nickel at MW-344 (109.089 µg/L) exceeded the GWPS of 100 µg/L.
The 95% LCL for nickel at MW-380 (148.038 µg/L) exceeded the GWPS of 100 µg/L.
The 95% LCL for nickel at MW-602 (248.335 µg/L) exceeded the GWPS of 100 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 SCISWA Landfill during the first semi-annual monitoring event in 2025 are summarized below. Historical VOC detections are summarized in Attachment E.

Organic compounds detected 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-344	cis-1,2-Dichloroethene	1.6	1	Verified	70

The VOCs detections did not exceed GWPS. The verified VOC detections were evaluated against the GWPS using confidence limits (Attachment F). 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

Table 1

Analytical Data Summary for 3/25/2025

Constituents	Units	GU-4AR	MW-300	MW-303	MW-304	MW-307	MW-312	MW-313	MW-335	MW-344	MW-380
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	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-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	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
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
Alkalinity as CaCO3	mg/L	<10	73	554	378	<10	334	404	524	200	12
Aluminum	ug/L	220	569	99	<50	278	95	149	303	180	1660
Antimony	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	4.6	3.5	<2.0	<2.0
Barium	ug/L	11.4	12.4	72.9	82.9	9.5	25.6	21.8	14.3	12.6	9.1
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium	ug/L	<.5	1.1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	.6
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	ug/L	<.2	.5	<.2	<.2	.2	<.2	.2	<.2	<.2	5.6
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
Chlorodibromomethane	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	ug/L	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	1.3	<1.0	1.1	<1.0
cis-1,2-Dichloroethene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	<1.0
cis-1,3-Dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt	ug/L	53.3	462.0	10.6	3.2	37.4	36.7	<.5	34.7	220.0	115.0
Copper	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iodomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iron	ug/L	196000	181000	1760	1410	257000	7040	9220	13100	14900	38600
Lead	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	ug/L	81.0	540.0	18.2	<5.0	53.4	53.0	6.6	44.4	147.0	237.0
pH	SU	5.9	5.7	6.4	6.8	5.6	6.1	6.7	6.2	5.7	4.7
Selenium	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Silver	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
Sulfate	mg/L	2350.0	2450.0	89.9	45.6	2030.0	361.0	1660.0	2370.0	2180.0	1380.0
Tetrachloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium	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-Dichloroethene	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
Trichloroethene	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	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	4.8	<2.0	<2.0	<2.0
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	ug/L	218.0	712.0	5.8	<5.0	238.0	8.9	7.8	28.2	19.3	1570.0

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

Table 1

Analytical Data Summary for 3/25/2025

Constituents	MW-381	MW-382R	MW-390	MW-601	MW-602	MW-603	MW-604	SW-1
1,1,1,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	
1,1-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	
1,1-Dichloroethene	<1	<1	<1	<1	<1	<1	<1	
1,2,3-Trichloropropane	<1	<1	<1	<1	<1	<1	<1	
1,2-Dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5	
1,2-Dibromoethane	<1	<1	<1	<1	<1	<1	<1	
1,2-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	
1,4-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	
2-Butanone	<10	<10	<10	<10	<10	<10	<10	
2-Hexanone	<5	<5	<5	<5	<5	<5	<5	
4-Methyl-2-pentanone	<5	<5	<5	<5	<5	<5	<5	
Acetone	<10	<10	<10	<10	<10	<10	<10	
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	
Alkalinity as CaCO3	191	382	99	163	<10	378	55	81
Aluminum	172	132	179	106	172	186	159	115
Antimony	<1	<1	<1	<1	<1	<1	<1	
Arsenic	<2.0	<2.0	17.5	<2.0	<2.0	4.6	<2.0	
Barium	8.4	23.4	16.5	20.6	9.7	20.7	19.9	
Benzene	<1	<1	<1	<1	<1	<1	<1	
Beryllium	<.5	<.5	<.5	<.5	<.5	<.5	<.5	
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	
Bromoform	<1	<1	<1	<1	<1	<1	<1	
Bromomethane	<1	<1	<1	<1	<1	<1	<1	
Cadmium	<.2	<.2	<.2	<.2	.2	<.2	<.2	
Carbon Disulfide	<1	<1	<1	<1	<1	<1	<1	
Carbon Tetrachloride	<1	<1	<1	<1	<1	<1	<1	
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	
Chlorodibromomethane	<1	<1	<1	<1	<1	<1	<1	
Chloroethane	<1	<1	<1	<1	<1	<1	<1	
Chloroform	<1	<1	<1	<1	<1	<1	<1	
Chloromethane	<1	<1	<1	<1	<1	<1	<1	
Chromium	<1.0	1.0	1.1	3.3	<1.0	<1.0	1.1	
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
cis-1,3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	
Cobalt	<.5	.9	106.0	1.1	185.0	14.1	89.0	
Copper	<5	<5	<5	<5	<5	<5	<5	
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	
Iodomethane	<1	<1	<1	<1	<1	<1	<1	
Iron	105	<100	133000	133	63700	47600	78900	717
Lead	<1	<1	<1	<1	<1	<1	<1	
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	
Nickel	<5.0	5.4	42.8	<5.0	254.0	6.2	104.0	
pH	6.5	6.6	6.0	6.6	5.5	6.3	5.9	7.1
Selenium	<2	<2	<2	<2	<2	<2	<2	
Silver	<5	<5	<5	<5	<5	<5	<5	
Styrene	<1	<1	<1	<1	<1	<1	<1	
Sulfate	657.0	1030.0	1820.0	771.0	1810.0	2670.0	2100.0	2380.0
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	
Thallium	<.5	<.5	<.5	<.5	<.5	<.5	<.5	
Toluene	<1	<1	<1	<1	<1	<1	<1	
trans-1,2-Dichloroethene	<1	<1	<1	<1	<1	<1	<1	
trans-1,3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	
trans-1,4-Dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	
Trichloroethene	<1	<1	<1	<1	<1	<1	<1	
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	
Vanadium	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<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	<5.0	<5.0	127.0	<5.0	114.0	6.4	17.6	

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

Attachment B

Summary Tables and Graphs for the Intrawell Comparisons

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Antimony	ug/L	GU-4AR	2	0	2										*
Arsenic	ug/L	GU-4AR	2	0	2										*
Barium	ug/L	GU-4AR	2	0	2										*
Beryllium	ug/L	GU-4AR	2	0	2										*
Cadmium	ug/L	GU-4AR	2	0	2										*
Chromium	ug/L	GU-4AR	2	0	2										*
Cobalt	ug/L	GU-4AR	2	0	2										*
Copper	ug/L	GU-4AR	2	0	2										*
Lead	ug/L	GU-4AR	2	0	2										*
Nickel	ug/L	GU-4AR	2	0	2										*
Selenium	ug/L	GU-4AR	2	0	2										*
Silver	ug/L	GU-4AR	2	0	2										*
Thallium	ug/L	GU-4AR	2	0	2										*
Vanadium	ug/L	GU-4AR	2	0	2										*
Zinc	ug/L	GU-4AR	2	0	2										*
Antimony	ug/L	MW-300	19	7	38			2.0000	1.0000			1.0000	nonpar	.99	**
Arsenic	ug/L	MW-300	19	7	38	2.0375	0.4972	6.3000	2.0000	5.9271	2.0375	4.7721	normal		
Barium	ug/L	MW-300	18	7	38	13.0861	1.9733	14.1000	12.4000	13.0861	13.0861	23.9395	normal		
Beryllium	ug/L	MW-300	19	7	38			4.0000	1.1000			0.5300	nonpar	.99	**
Cadmium	ug/L	MW-300	19	7	38	0.7042	1.8006	0.8000	0.5000	0.7042	0.7042	10.6077	normal		
Chromium	ug/L	MW-300	19	7	38			8.0000	1.0000			3.6900	nonpar	.99	**
Cobalt	ug/L	MW-300	18	7	38	286.0000	66.7727	799.0000	462.0000	1103.8410	766.8410	653.2496	normal		
Copper	ug/L	MW-300	19	7	38			4.0000	5.0000			32.0000	nonpar	.99	**
Lead	ug/L	MW-300	19	7	38	0.6372	0.3297	4.0000	1.0000	0.6372	0.6372	2.4507	normal		
Nickel	ug/L	MW-300	19	7	38	228.5053	55.8503	829.0000	540.0000	954.3264	665.3264	535.6816	normal		
Selenium	ug/L	MW-300	19	7	38			4.0000	2.0000			3.3400	nonpar	.99	**
Silver	ug/L	MW-300	19	7	38			4.0000	5.0000			0.5600	nonpar	.99	**
Thallium	ug/L	MW-300	19	7	38	0.2528	0.0475	2.0000	0.5000	0.2528	0.2528	0.5139	normal		
Vanadium	ug/L	MW-300	19	7	38			20.0000	2.0000			2.1500	nonpar	.99	**
Zinc	ug/L	MW-300	19	7	38	244.3421	255.4130	1030.0000	712.0000	1807.7347	1489.7347	1649.1135	normal		
Antimony	ug/L	MW-303	18	7	38			2.0000	1.0000			0.5300	nonpar	.99	**
Arsenic	ug/L	MW-303	19	7	38	1.0109	0.4638	4.0000	2.0000	1.0109	1.0109	3.5619	normal		
Barium	ug/L	MW-303	19	7	38	48.5000	23.8902	83.1000	72.9000	91.6647	98.1471	179.8960	normal		
Beryllium	ug/L	MW-303	19	7	38			4.0000	0.5000			0.2700	nonpar	.99	**
Cadmium	ug/L	MW-303	19	7	38			0.8000	0.2000			0.1000	nonpar	.99	**
Chromium	ug/L	MW-303	18	7	38			8.0000	1.2000			4.7600	nonpar	.99	**
Cobalt	ug/L	MW-303	19	7	38	18.4263	3.4367	14.0000	10.6000	18.4263	18.4263	37.3282	normal		
Copper	ug/L	MW-303	18	7	38			4.0000	5.0000			2.0000	nonpar	.99	**
Lead	ug/L	MW-303	19	7	38	0.4141	0.6266	4.0000	1.0000	0.4141	0.4141	3.8603	normal		
Nickel	ug/L	MW-303	19	7	38	38.9368	11.8360	13.5000	18.2000	38.9368	38.9368	104.0349	normal		
Selenium	ug/L	MW-303	19	7	38			4.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-303	19	7	38			4.0000	5.0000			0.3700	nonpar	.99	**
Thallium	ug/L	MW-303	19	7	38			2.0000	0.5000			0.9040	nonpar	.99	**
Vanadium	ug/L	MW-303	19	7	38			20.0000	2.0000			8.7300	nonpar	.99	**
Zinc	ug/L	MW-303	19	7	38	24.8742	44.8621	20.0000	5.8000	24.8742	24.8742	271.6156	normal		
Antimony	ug/L	MW-304	14	7	21			2.0000	1.0000			0.8160	nonpar	.99	**

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

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

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

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

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Arsenic	ug/L	MW-304	14	7	21	2.2164	2.2660	4.0000	2.0000	2.2164	2.2164	14.6794	normal		
Barium	ug/L	MW-304	14	7	21	66.5214	19.1409	87.0000	82.9000	72.6443	74.6672	171.7966	normal		
Beryllium	ug/L	MW-304	14	7	21			4.0000	0.5000			0.2210	nonpar	.99	**
Cadmium	ug/L	MW-304	12	7	21			0.8000	0.2000			0.0470	nonpar	.99	**
Chromium	ug/L	MW-304	14	7	21			8.0000	1.0000			1.2800	nonpar	.99	**
Cobalt	ug/L	MW-304	13	7	21	8.1031	3.3997	4.3000	3.2000	8.1031	8.1031	26.8014	normal		
Copper	ug/L	MW-304	14	7	21			4.0000	5.0000			2.8700	nonpar	.99	**
Lead	ug/L	MW-304	14	7	21			4.0000	1.0000			0.7370	nonpar	.99	**
Nickel	ug/L	MW-304	13	7	21	6.1354	2.3844	6.5000	5.0000	6.1354	6.1354	19.2496	normal		
Selenium	ug/L	MW-304	14	7	21			4.0000	2.0000			1.2400	nonpar	.99	**
Silver	ug/L	MW-304	14	7	21			4.0000	5.0000			0.1800	nonpar	.99	**
Thallium	ug/L	MW-304	14	7	21			2.0000	0.5000			0.2600	nonpar	.99	**
Vanadium	ug/L	MW-304	11	7	21			20.0000	2.0000			0.8400	nonpar	.99	**
Zinc	ug/L	MW-304	12	7	21	9.8533	1.6475	20.0000	5.0000	9.8533	9.8533	18.9147	normal		
Antimony	ug/L	MW-307	17	7	35			2.0000	1.0000			1.0000	nonpar	.99	**
Arsenic	ug/L	MW-307	17	7	35	3.2082	1.3796	4.5000	2.0000	3.4653	3.2082	10.7959	normal		
Barium	ug/L	MW-307	16	7	35	9.4050	2.3782	12.8000	9.5000	19.4391	17.7505	22.4849	normal		
Beryllium	ug/L	MW-307	17	7	35	0.6852	0.2854	4.0000	0.5000	0.6852	0.6852	2.2551	normal		
Cadmium	ug/L	MW-307	17	7	35	0.2898	0.2332	0.8000	0.2000	0.2898	0.2898	1.5724	normal		
Chromium	ug/L	MW-307	17	7	35			8.0000	1.0000			1.6000	nonpar	.99	**
Cobalt	ug/L	MW-307	16	7	35	54.4500	12.2189	39.7000	37.4000	54.4500	54.4500	121.6539	normal		
Copper	ug/L	MW-307	17	7	35			4.0000	5.0000			2.1900	nonpar	.99	**
Lead	ug/L	MW-307	17	7	35			4.0000	1.0000			0.7700	nonpar	.99	**
Nickel	ug/L	MW-307	17	7	35	85.1118	22.4967	69.8000	53.4000	85.1118	85.1118	208.8434	normal		
Selenium	ug/L	MW-307	17	7	35	2.8825	1.4130	4.0000	2.0000	2.8825	2.8825	10.6538	normal		
Silver	ug/L	MW-307	15	7	35			4.0000	5.0000			0.4200	nonpar	.99	**
Thallium	ug/L	MW-307	17	7	35			2.0000	0.5000			0.2700	nonpar	.99	**
Vanadium	ug/L	MW-307	16	7	35			20.0000	2.0000			1.1000	nonpar	.99	**
Zinc	ug/L	MW-307	16	7	35	421.3125	117.2108	253.0000	238.0000	421.3125	421.3125	1065.9717	normal		
Antimony	ug/L	MW-312	19	7	26			2.0000	1.0000			1.0000	nonpar	.99	**
Arsenic	ug/L	MW-312	19	7	26	1.2584	0.4060	4.0000	2.0000	1.2584	1.2584	3.4916	normal		
Barium	ug/L	MW-312	19	7	26	14.3563	3.5081	24.9000	25.6000	37.4942	38.1942	33.6507	normal		
Beryllium	ug/L	MW-312	19	7	26	0.4429	0.1366	4.0000	0.5000	0.4429	0.4429	1.1944	normal		
Cadmium	ug/L	MW-312	19	7	26			0.8000	0.2000			0.2460	nonpar	.99	**
Chromium	ug/L	MW-312	19	7	26			8.0000	1.0000			3.9000	nonpar	.99	**
Cobalt	ug/L	MW-312	19	7	26	36.5316	8.3421	38.9000	36.7000	36.5316	36.5316	82.4129	normal		
Copper	ug/L	MW-312	19	7	26			4.0000	5.0000			2.1900	nonpar	.99	**
Lead	ug/L	MW-312	19	7	26			4.0000	1.0000			1.6700	nonpar	.99	**
Nickel	ug/L	MW-312	19	7	26	102.1684	22.8484	57.6000	53.0000	102.1684	102.1684	227.8348	normal		
Selenium	ug/L	MW-312	19	7	26			4.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-312	19	7	26			4.0000	5.0000			0.4200	nonpar	.99	**
Thallium	ug/L	MW-312	19	7	26			2.0000	0.5000			0.2700	nonpar	.99	**
Vanadium	ug/L	MW-312	19	7	26			20.0000	2.0000			1.1000	nonpar	.99	**
Zinc	ug/L	MW-312	19	7	26	32.0316	50.1704	20.0000	8.9000	32.0316	32.0316	307.9690	normal		
Antimony	ug/L	MW-313	18	7	38			2.0000	1.0000			1.0000	nonpar	.99	**
Arsenic	ug/L	MW-313	19	7	38	5.6137	6.0073	4.6000	4.6000	21.0563	15.5371	38.6537	normal		

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

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

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

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

* - Insufficient Data.

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Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Barium	ug/L	MW-313	19	7	38	25.9579	12.4960	29.8000	21.8000	27.0982	25.9579	94.6857	normal		
Beryllium	ug/L	MW-313	19	7	38			4.0000	0.5000			0.2700	nonpar	.99	**
Cadmium	ug/L	MW-313	19	7	38	0.1401	0.0446	0.8000	0.2000	0.1401	0.1665	0.3855	normal		
Chromium	ug/L	MW-313	19	7	38			8.0000	1.3000			2.9800	nonpar	.99	**
Cobalt	ug/L	MW-313	19	7	38	13.8165	16.6174	0.7000	0.5000	13.8165	13.8165	105.2120	normal		
Copper	ug/L	MW-313	19	7	38			4.0000	5.0000			2.9900	nonpar	.99	**
Lead	ug/L	MW-313	19	7	38	0.4094	0.2358	4.0000	1.0000	0.4094	0.4094	1.7062	normal		
Nickel	ug/L	MW-313	19	7	38	29.2011	22.2832	4.0000	6.6000	29.2011	29.2011	151.7589	normal		
Selenium	ug/L	MW-313	19	7	38			4.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-313	19	7	38			4.0000	5.0000			0.3700	nonpar	.99	**
Thallium	ug/L	MW-313	19	7	38			2.0000	0.5000			0.2600	nonpar	.99	**
Vanadium	ug/L	MW-313	19	7	38	16.3084	20.8998	20.0000	4.8000	16.3084	16.3084	131.2575	normal		
Zinc	ug/L	MW-313	19	7	38	21.4774	25.4503	20.0000	7.8000	21.4774	21.4774	161.4540	normal		
Antimony	ug/L	MW-335	20	7	39			2.0000	1.0000			0.7400	nonpar	.99	**
Arsenic	ug/L	MW-335	20	7	39	2.1758	1.7303	11.7000	3.5000	18.0817	9.8817	11.6924	normal		
Barium	ug/L	MW-335	20	7	39	13.0605	3.6877	12.5000	14.3000	13.0605	13.0605	33.3427	normal		
Beryllium	ug/L	MW-335	20	7	39	0.4493	0.1047	4.0000	0.5000	0.4493	0.4493	1.0249	normal		
Cadmium	ug/L	MW-335	20	7	39	0.2887	0.1722	0.8000	0.2000	0.2887	0.2887	1.2355	normal		
Chromium	ug/L	MW-335	19	7	39			8.0000	1.0000			2.9300	nonpar	.99	**
Cobalt	ug/L	MW-335	17	7	39	62.7588	24.7589	37.6000	34.7000	62.7588	62.7588	198.9330	normal		
Copper	ug/L	MW-335	20	7	39			4.0000	5.0000			2.0000	nonpar	.99	**
Lead	ug/L	MW-335	20	7	39	0.3620	0.2657	4.0000	1.0000	0.3620	0.3620	1.8237	normal		
Nickel	ug/L	MW-335	18	7	39	104.3333	75.5987	55.7000	44.4000	104.3333	104.3333	520.1264	normal		
Selenium	ug/L	MW-335	20	7	39			4.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-335	20	7	39			4.0000	5.0000			0.3700	nonpar	.99	**
Thallium	ug/L	MW-335	20	7	39			2.0000	0.5000			0.2700	nonpar	.99	**
Vanadium	ug/L	MW-335	20	7	39			20.0000	2.0000			1.1000	nonpar	.99	**
Zinc	ug/L	MW-335	20	7	39	73.6000	54.9016	26.4000	28.2000	73.6000	73.6000	375.5586	normal		
Antimony	ug/L	MW-344	19	7	38			2.0000	1.0000			5.0200	nonpar	.99	**
Arsenic	ug/L	MW-344	19	7	38	1.2918	0.6384	4.0000	2.0000	1.2918	1.2918	4.8027	normal		
Barium	ug/L	MW-344	19	7	38	14.2484	3.6378	12.0000	12.6000	14.2484	14.2484	34.2564	normal		
Beryllium	ug/L	MW-344	19	7	38			4.0000	0.5000			0.4010	nonpar	.99	**
Cadmium	ug/L	MW-344	19	7	38	0.2549	0.1916	0.8000	0.2000	0.2549	0.2549	1.3088	normal		
Chromium	ug/L	MW-344	19	7	38			8.0000	1.1000			5.5200	nonpar	.99	**
Cobalt	ug/L	MW-344	19	7	38	155.4526	73.3058	201.0000	220.0000	155.4526	165.0206	558.6346	normal		
Copper	ug/L	MW-344	19	7	38			4.0000	5.0000			2.0000	nonpar	.99	**
Lead	ug/L	MW-344	19	7	38			4.0000	1.0000			0.7260	nonpar	.99	**
Nickel	ug/L	MW-344	19	7	38	131.8526	66.3648	147.0000	147.0000	131.8526	131.8526	496.8592	normal		
Selenium	ug/L	MW-344	19	7	38			4.0000	2.0000			1.0600	nonpar	.99	**
Silver	ug/L	MW-344	19	7	38			4.0000	5.0000			0.3700	nonpar	.99	**
Thallium	ug/L	MW-344	19	7	38			2.0000	0.5000			0.2600	nonpar	.99	**
Vanadium	ug/L	MW-344	19	7	38			20.0000	2.0000			1.1000	nonpar	.99	**
Zinc	ug/L	MW-344	19	7	38	36.4368	45.8120	20.0000	19.3000	36.4368	36.4368	288.4030	normal		
Antimony	ug/L	MW-380	18	7	38			2.0000	1.0000			1.1000	nonpar	.99	**
Arsenic	ug/L	MW-380	19	7	38	5.6442	1.6391	11.2000	2.0000	9.9706	5.6442	14.6594	normal		
Barium	ug/L	MW-380	17	7	38	8.4441	1.6486	12.7000	9.1000	11.4635	10.8829	17.5116	normal		

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

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

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Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Beryllium	ug/L	MW-380	19	7	38	7.4989	3.3671	4.0000	0.6000	7.4989	7.4989	26.0180	normal		
Cadmium	ug/L	MW-380	19	7	39	9.7553	4.2708	0.8000	5.6000	9.7553	9.7553	33.2446	normal		
Chromium	ug/L	MW-380	19	7	38	14.6711	8.5880	8.0000	1.0000	14.6711	14.6711	61.9049	normal		
Cobalt	ug/L	MW-380	18	7	38	1139.3333	325.1624	263.0000	115.0000	1139.3333	1139.3333	2927.7265	normal		
Copper	ug/L	MW-380	19	7	38	13.6163	8.6109	4.0000	5.0000	13.6163	13.6163	60.9762	normal		
Lead	ug/L	MW-380	19	7	38	2.1032	1.6916	4.0000	1.0000	2.1032	2.1032	11.4069	normal		
Nickel	ug/L	MW-380	19	7	38	1543.9474	478.1781	440.0000	237.0000	1543.9474	1543.9474	4173.9268	normal		
Selenium	ug/L	MW-380	19	7	38	10.7253	6.8124	4.0000	2.0000	10.7253	10.7253	48.1936	normal		
Silver	ug/L	MW-380	18	7	38			4.0000	5.0000			1.0000	nonpar	.99	**
Thallium	ug/L	MW-380	19	7	38	0.7228	0.3760	2.0000	0.5000	0.7228	0.7228	2.7908	normal		
Vanadium	ug/L	MW-380	19	7	38	7.0337	3.7039	20.0000	2.0000	7.0337	7.0337	27.4053	normal		
Zinc	ug/L	MW-380	20	7	39	4417.5000	1437.7646	1150.0000	1570.0000	4417.5000	4417.5000	12325.2054	normal		
Antimony	ug/L	MW-381	19	7	38			2.0000	1.0000			0.7400	nonpar	.99	**
Arsenic	ug/L	MW-381	19	7	38			4.0000	2.0000			7.1400	nonpar	.99	**
Barium	ug/L	MW-381	19	7	39	11.0842	3.8217	12.1000	8.4000	11.0842	11.0842	32.1037	normal		
Beryllium	ug/L	MW-381	19	7	38			4.0000	0.5000			0.2700	nonpar	.99	**
Cadmium	ug/L	MW-381	19	7	38	0.2688	0.2736	0.8000	0.2000	0.2688	0.2688	1.7735	normal		
Chromium	ug/L	MW-381	19	7	38			8.0000	1.0000			3.9000	nonpar	.99	**
Cobalt	ug/L	MW-381	19	7	38	3.6049	11.2517	0.8000	0.5000	3.6049	3.6049	65.4894	normal		
Copper	ug/L	MW-381	19	7	38	2.7779	0.6573	4.0000	5.0000	2.7779	2.7779	6.3932	normal		
Lead	ug/L	MW-381	19	7	38	0.5266	0.1986	4.0000	1.0000	0.5266	0.5266	1.6188	normal		
Nickel	ug/L	MW-381	19	7	38	22.4942	20.1734	4.0000	5.0000	22.4942	22.4942	133.4479	normal		
Selenium	ug/L	MW-381	19	7	38			4.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-381	19	7	38			4.0000	5.0000			0.3700	nonpar	.99	**
Thallium	ug/L	MW-381	19	7	38			2.0000	0.5000			0.2600	nonpar	.99	**
Vanadium	ug/L	MW-381	19	7	38			20.0000	2.0000			2.9800	nonpar	.99	**
Zinc	ug/L	MW-381	19	7	38	26.6526	44.1854	20.0000	5.0000	26.6526	26.6526	269.6723	normal		
Antimony	ug/L	MW-382R	18	7	32			2.0000	1.0000			0.7400	nonpar	.99	**
Arsenic	ug/L	MW-382R	19	7	32			4.0000	2.0000			0.8800	nonpar	.99	**
Barium	ug/L	MW-382R	19	7	32	24.0789	2.9735	25.1000	23.4000	25.4426	24.0789	40.4332	normal		
Beryllium	ug/L	MW-382R	19	7	32			4.0000	0.5000			0.2700	nonpar	.99	**
Cadmium	ug/L	MW-382R	19	7	32			0.8000	0.2000			0.1120	nonpar	.99	**
Chromium	ug/L	MW-382R	19	7	32			8.0000	1.0000			5.9100	nonpar	.99	**
Cobalt	ug/L	MW-382R	19	7	32	2.7904	2.5011	6.9000	0.9000	5.0242	2.7904	16.5465	normal		
Copper	ug/L	MW-382R	19	7	32			4.0000	5.0000			2.0000	nonpar	.99	**
Lead	ug/L	MW-382R	19	7	32			4.0000	1.0000			0.5860	nonpar	.99	**
Nickel	ug/L	MW-382R	16	7	32	4.3969	1.0788	12.3000	5.4000	11.4909	4.5909	10.3302	normal		
Selenium	ug/L	MW-382R	19	7	32			4.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-382R	19	7	32			4.0000	5.0000			0.4200	nonpar	.99	**
Thallium	ug/L	MW-382R	19	7	32			2.0000	0.5000			0.2600	nonpar	.99	**
Vanadium	ug/L	MW-382R	19	7	32			20.0000	2.0000			2.1500	nonpar	.99	**
Zinc	ug/L	MW-382R	18	7	32			20.0000	5.0000			175.0000	nonpar	.99	**
Antimony	ug/L	MW-390	17	7	32			2.0000	1.0000			1.0000	nonpar	.99	**
Arsenic	ug/L	MW-390	17	7	32	15.1676	3.3735	18.3000	17.5000	18.7812	18.5834	33.7217	normal		
Barium	ug/L	MW-390	17	7	32	27.6118	7.7772	16.3000	16.5000	27.6118	27.6118	70.3864	normal		
Beryllium	ug/L	MW-390	17	7	32			4.0000	0.5000			0.2700	nonpar	.99	**

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

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

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

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

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Cadmium	ug/L	MW-390	17	7	32	0.3144	0.2610	0.8000	0.2000	0.3144	0.3144	1.7499	normal		
Chromium	ug/L	MW-390	17	7	32			8.0000	1.1000			5.5100	nonpar	.99	**
Cobalt	ug/L	MW-390	17	7	32	106.2412	8.9517	111.0000	106.0000	106.2412	106.2412	155.4754	normal		
Copper	ug/L	MW-390	17	7	32			4.0000	5.0000			2.1900	nonpar	.99	**
Lead	ug/L	MW-390	17	7	32	1.5224	0.7021	4.0000	1.0000	1.5224	1.5224	5.3839	normal		
Nickel	ug/L	MW-390	17	7	32	53.7647	5.6887	56.7000	42.8000	53.7647	53.7647	85.0525	normal		
Selenium	ug/L	MW-390	17	7	32			4.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-390	17	7	32			4.0000	5.0000			0.4200	nonpar	.99	**
Thallium	ug/L	MW-390	17	7	32			2.0000	0.5000			1.1700	nonpar	.99	**
Vanadium	ug/L	MW-390	17	7	32			20.0000	2.0000			8.9100	nonpar	.99	**
Zinc	ug/L	MW-390	16	7	32	129.1187	85.2843	170.0000	127.0000	155.6271	129.1187	598.1822	normal		
Antimony	ug/L	MW-601	8	3	11			2.0000	1.0000			2.0000	nonpar	.99	**
Arsenic	ug/L	MW-601	8	3	11			4.0000	2.0000			3.8200	nonpar	.99	**
Barium	ug/L	MW-601	8	3	11	15.7275	6.8264	39.2000	20.6000	32.3736	30.4197	53.2727	normal		
Beryllium	ug/L	MW-601	8	3	11			4.0000	0.5000			1.0800	nonpar	.99	**
Cadmium	ug/L	MW-601	8	3	11	0.5500	0.3470	0.8000	0.2000	0.5500	0.5500	2.4585	normal		
Chromium	ug/L	MW-601	8	3	11			8.0000	3.3000			4.4000	nonpar	.99	**
Cobalt	ug/L	MW-601	7	3	11	175.5143	96.8444	19.3000	1.1000	175.5143	175.5143	708.1585	normal		
Copper	ug/L	MW-601	8	3	11			4.0000	5.0000			4.0000	nonpar	.99	**
Lead	ug/L	MW-601	8	3	11	0.7870	0.3238	4.0000	1.0000	0.7870	0.7870	2.5682	normal		
Nickel	ug/L	MW-601	8	3	11	227.2000	163.1237	25.8000	5.0000	227.2000	227.2000	1124.3805	normal		
Selenium	ug/L	MW-601	8	3	11			4.0000	2.0000			3.8400	nonpar	.99	**
Silver	ug/L	MW-601	8	3	11			4.0000	5.0000			1.6800	nonpar	.99	**
Thallium	ug/L	MW-601	8	3	11			2.0000	0.5000			1.0400	nonpar	.99	**
Vanadium	ug/L	MW-601	8	3	11			20.0000	2.0000			4.4000	nonpar	.99	**
Zinc	ug/L	MW-601	8	3	11	124.2500	114.4054	20.0000	5.0000	124.2500	124.2500	753.4797	normal		
Antimony	ug/L	MW-602	8	3	11			2.0000	1.0000			1.1000	nonpar	.99	**
Arsenic	ug/L	MW-602	8	3	11	2.9013	1.1852	4.0000	2.0000	2.9013	2.9013	9.4200	normal		
Barium	ug/L	MW-602	8	3	11	11.6750	0.9020	17.7000	9.7000	16.7980	11.6750	16.6359	normal		
Beryllium	ug/L	MW-602	8	3	11			4.0000	0.5000			0.5400	nonpar	.99	**
Cadmium	ug/L	MW-602	8	3	11	0.4625	0.3620	0.8000	0.2000	0.4625	0.4625	2.4534	normal		
Chromium	ug/L	MW-602	8	3	11			8.0000	1.0000			1.1000	nonpar	.99	**
Cobalt	ug/L	MW-602	8	3	11	208.3750	24.7787	236.0000	185.0000	211.2213	208.3750	344.6576	normal		
Copper	ug/L	MW-602	8	3	11			4.0000	5.0000			4.0000	nonpar	.99	**
Lead	ug/L	MW-602	8	3	11			4.0000	1.0000			0.9600	nonpar	.99	**
Nickel	ug/L	MW-602	8	3	11	296.8750	41.8652	361.0000	254.0000	319.1348	296.8750	527.1337	normal		
Selenium	ug/L	MW-602	8	3	11			4.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-602	8	3	11			4.0000	5.0000			0.4200	nonpar	.99	**
Thallium	ug/L	MW-602	8	3	11			2.0000	0.5000			0.2600	nonpar	.99	**
Vanadium	ug/L	MW-602	8	3	11			20.0000	2.0000			1.1000	nonpar	.99	**
Zinc	ug/L	MW-602	8	3	11	131.2500	26.5155	166.0000	114.0000	139.4845	131.2500	277.0852	normal		
Antimony	ug/L	MW-603	8	3	11			2.0000	1.0000			1.1000	nonpar	.99	**
Arsenic	ug/L	MW-603	8	3	11	5.1550	0.9458	4.0000	4.6000	5.1550	5.1550	10.3571	normal		
Barium	ug/L	MW-603	8	3	11	30.5000	8.4703	19.2000	20.7000	30.5000	30.5000	77.0866	normal		
Beryllium	ug/L	MW-603	8	3	11			4.0000	0.5000			0.2700	nonpar	.99	**
Cadmium	ug/L	MW-603	8	3	11	0.1878	0.0608	0.8000	0.2000	0.1878	0.1878	0.5219	normal		

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

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

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

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

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Chromium	ug/L	MW-603	8	3	11			8.0000	1.0000			4.4000	nonpar	.99	**
Cobalt	ug/L	MW-603	8	3	11	32.2125	14.8396	15.6000	14.1000	32.2125	32.2125	113.8301	normal		**
Copper	ug/L	MW-603	8	3	11			4.0000	5.0000			3.2000	nonpar	.99	
Lead	ug/L	MW-603	8	3	11	1.1030	0.5157	4.0000	1.0000	1.1030	1.1030	3.9396	normal		
Nickel	ug/L	MW-603	8	3	11	15.6813	9.4611	6.6000	6.2000	15.6813	15.6813	67.7174	normal		
Selenium	ug/L	MW-603	8	3	11			4.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-603	8	3	11			4.0000	5.0000			0.4200	nonpar	.99	**
Thallium	ug/L	MW-603	8	3	11			2.0000	0.5000			0.2600	nonpar	.99	**
Vanadium	ug/L	MW-603	8	3	11			20.0000	2.0000			4.4000	nonpar	.99	**
Zinc	ug/L	MW-603	8	3	11	17.8375	4.0362	20.0000	6.4000	17.8375	17.8375	40.0368	normal		
Antimony	ug/L	MW-604	3	0	3										*
Arsenic	ug/L	MW-604	3	0	3										*
Barium	ug/L	MW-604	3	0	3										*
Beryllium	ug/L	MW-604	3	0	3										*
Cadmium	ug/L	MW-604	3	0	3										*
Chromium	ug/L	MW-604	3	0	3										*
Cobalt	ug/L	MW-604	3	0	3										*
Copper	ug/L	MW-604	3	0	3										*
Lead	ug/L	MW-604	3	0	3										*
Nickel	ug/L	MW-604	3	0	3										*
Selenium	ug/L	MW-604	3	0	3										*
Silver	ug/L	MW-604	3	0	3										*
Thallium	ug/L	MW-604	3	0	3										*
Vanadium	ug/L	MW-604	3	0	3										*
Zinc	ug/L	MW-604	3	0	3										*

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

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

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

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

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 4

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

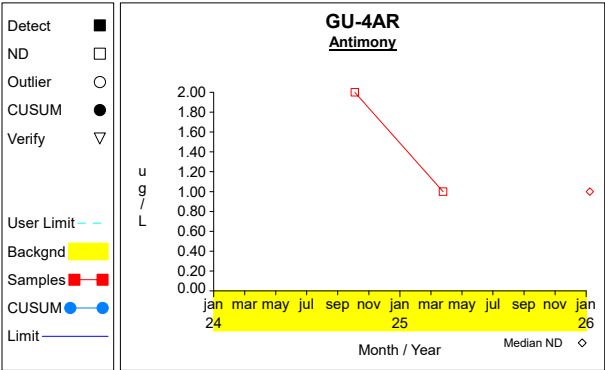
Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Barium	ug/L	MW-300	04/16/2014	3.4400		09/18/2012-10/27/2021	19	0.5503
Cobalt	ug/L	MW-300	04/16/2014	42.3000		09/18/2012-10/27/2021	19	0.5503
Cadmium	ug/L	MW-304	03/22/2016	0.3710		03/22/2016-10/27/2021	14	0.6174
Cadmium	ug/L	MW-304	10/02/2018	0.1670	< 0.1670	03/22/2016-10/27/2021	14	0.6174
Cobalt	ug/L	MW-304	04/16/2021	37.2000		03/22/2016-10/27/2021	14	0.6403
Nickel	ug/L	MW-304	04/16/2021	27.1000		03/22/2016-10/27/2021	14	0.6403
Vanadium	ug/L	MW-304	03/22/2016	0.2550	< 0.2550	03/22/2016-10/27/2021	14	0.6174
Vanadium	ug/L	MW-304	10/20/2016	0.2550	< 0.2550	03/22/2016-10/27/2021	14	0.6174
Vanadium	ug/L	MW-304	01/18/2017	0.2550	< 0.2550	03/22/2016-10/27/2021	14	0.6174
Zinc	ug/L	MW-304	04/16/2021	66.3000		03/22/2016-10/27/2021	14	0.6174
Zinc	ug/L	MW-304	10/27/2021	31.1000		03/22/2016-10/27/2021	14	0.6174
Barium	ug/L	MW-307	09/26/2013	30.0000	< 30.0000	09/18/2012-10/28/2021	17	0.5798
Cobalt	ug/L	MW-307	10/28/2021	14.8000		09/18/2012-10/28/2021	17	0.5798
Zinc	ug/L	MW-307	10/28/2021	10.6000		09/18/2012-10/28/2021	17	0.5798
Cobalt	ug/L	MW-335	09/24/2019	382.0000		09/19/2012-10/27/2021	20	0.5381
Cobalt	ug/L	MW-335	09/16/2020	0.1380		09/19/2012-10/27/2021	20	0.5503
Cobalt	ug/L	MW-335	04/15/2021	0.1770		09/19/2012-10/27/2021	20	0.5503
Nickel	ug/L	MW-335	09/16/2020	1.9000	< 1.9000	09/19/2012-10/27/2021	20	0.5503
Nickel	ug/L	MW-335	04/15/2021	1.9000	< 1.9000	09/19/2012-10/27/2021	20	0.5503
Barium	ug/L	MW-380	03/09/2017	104.0000	< 104.0000	09/19/2012-10/27/2021	19	0.5643
Barium	ug/L	MW-380	03/14/2018	52.0000	< 52.0000	09/19/2012-10/27/2021	19	0.5643
Cadmium	ug/L	MW-380	03/09/2017	57.4000		09/19/2012-10/27/2021	20	0.5381
Cobalt	ug/L	MW-380	09/02/2015	15.0000	< 15.0000	09/19/2012-10/27/2021	19	0.5503
Barium	ug/L	MW-381	09/02/2015	83.3000		09/20/2012-10/27/2021	20	0.5381
Nickel	ug/L	MW-382R	09/20/2012	50.0000	< 50.0000	09/20/2012-10/27/2021	19	0.5643
Nickel	ug/L	MW-382R	03/27/2013	50.0000	< 50.0000	09/20/2012-10/27/2021	19	0.5643
Nickel	ug/L	MW-382R	04/15/2014	50.0000	< 50.0000	09/20/2012-10/27/2021	19	0.5643
Zinc	ug/L	MW-382R	03/23/2016	10000.0000	< 10000.0000	09/20/2012-10/27/2021	19	0.5503
Zinc	ug/L	MW-390	03/22/2016	5.2100	< 5.2100	09/18/2012-10/26/2021	17	0.5798
Cobalt	ug/L	MW-601	03/06/2023	0.8000		03/09/2020-09/29/2023	8	0.6808

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

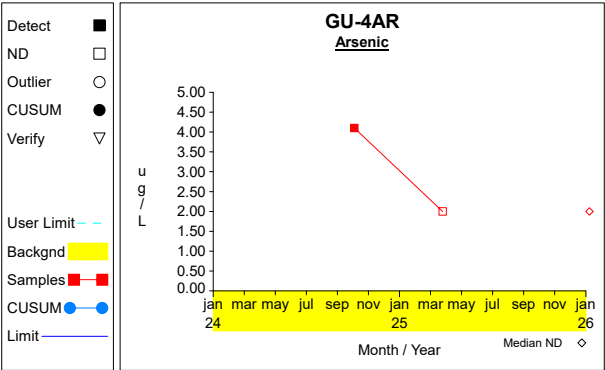
Date Range = Dates of the first and last measurements included in background at each well.

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

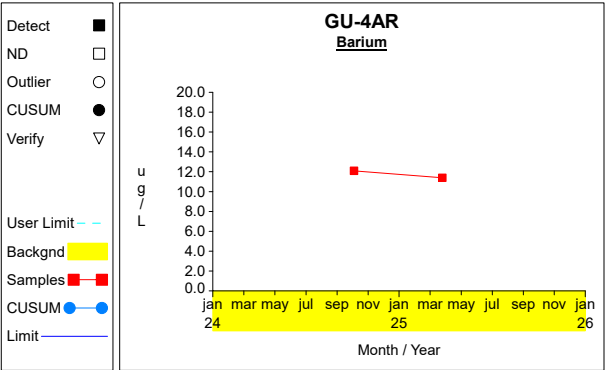
Intra-Well Control Charts / Prediction Limits



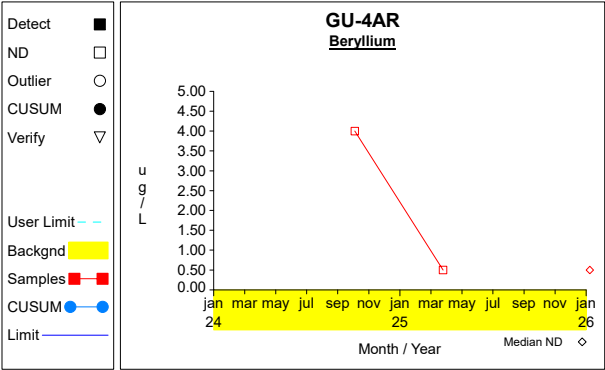
Graph 1



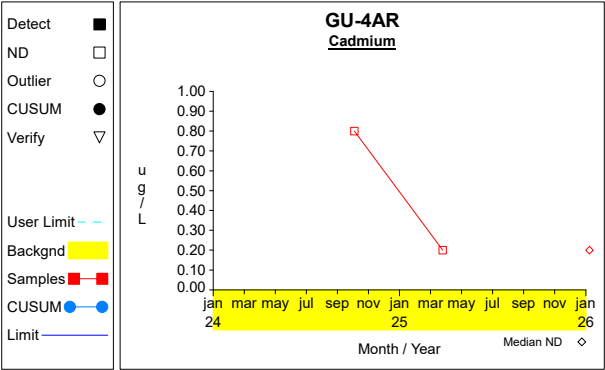
Graph 2



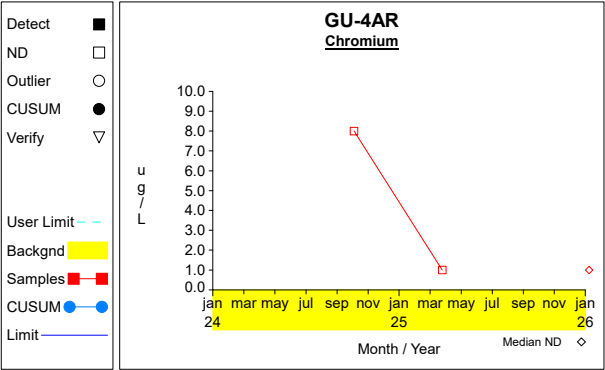
Graph 3



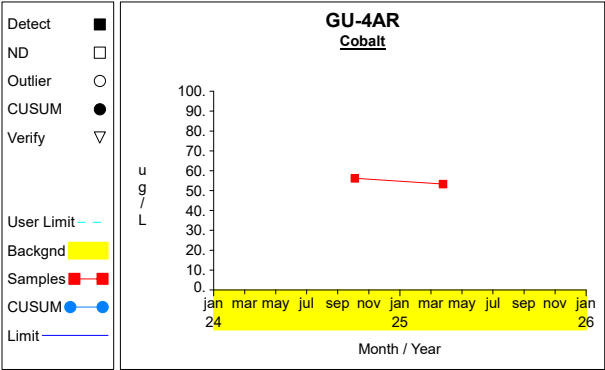
Graph 4



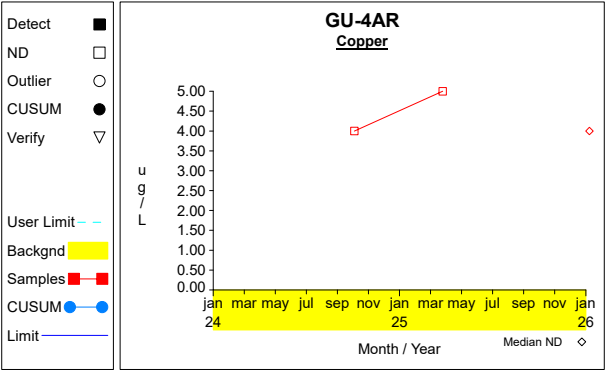
Graph 5



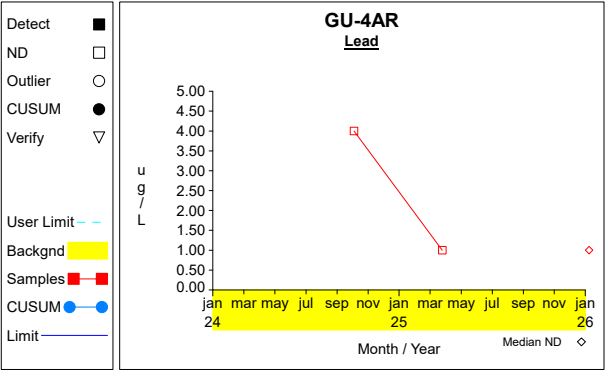
Graph 6



Graph 7

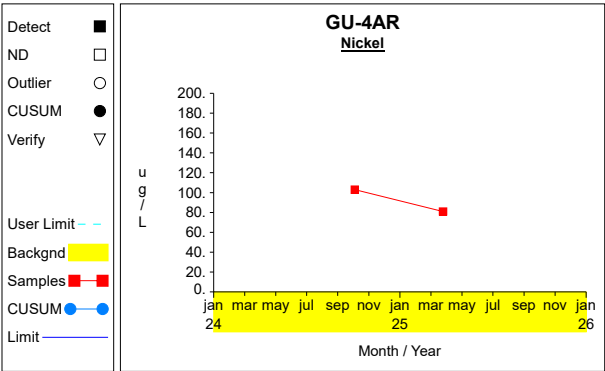


Graph 8

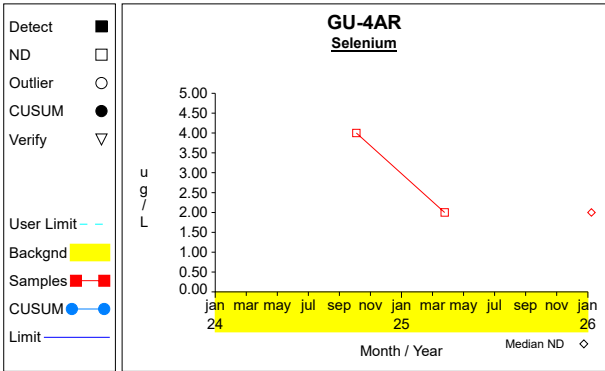


Graph 9

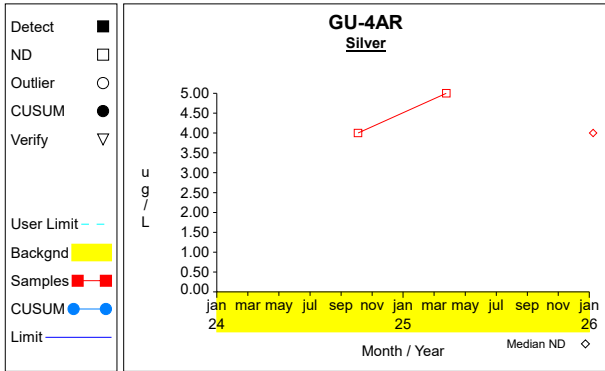
Intra-Well Control Charts / Prediction Limits



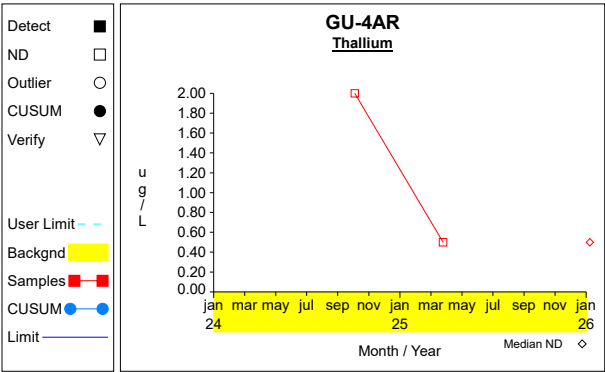
Graph 10



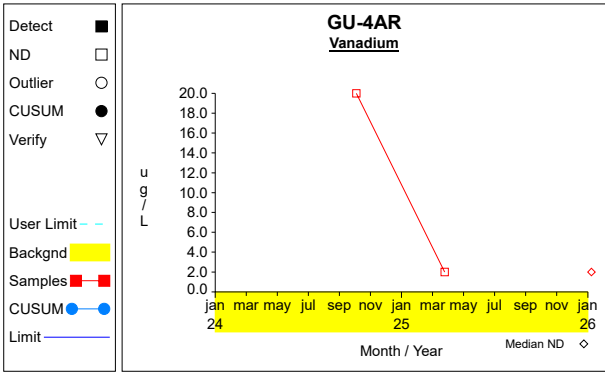
Graph 11



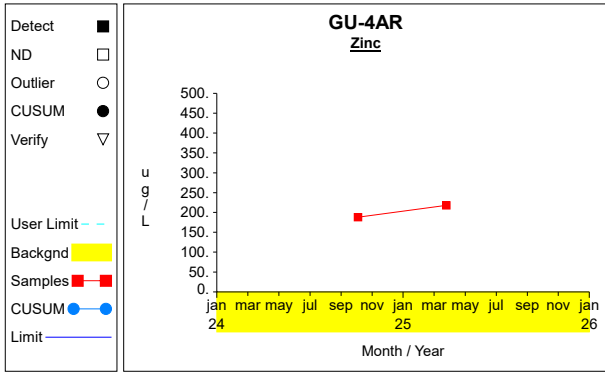
Graph 12



Graph 13

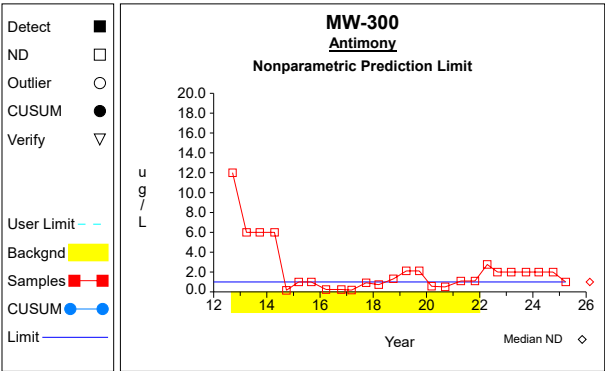


Graph 14

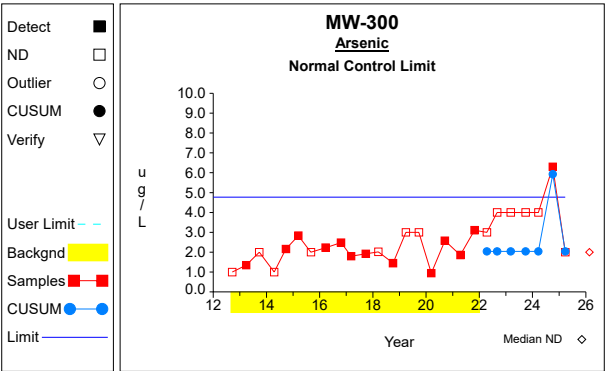


Graph 15

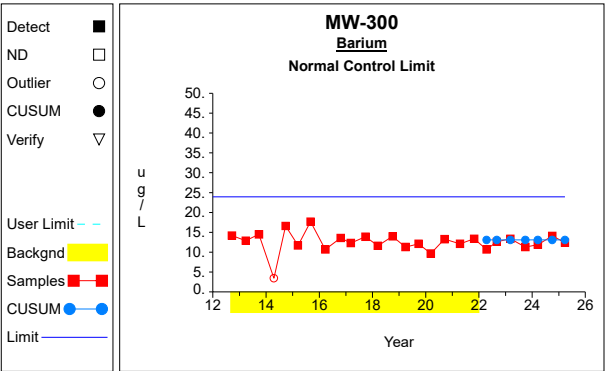
Intra-Well Control Charts / Prediction Limits



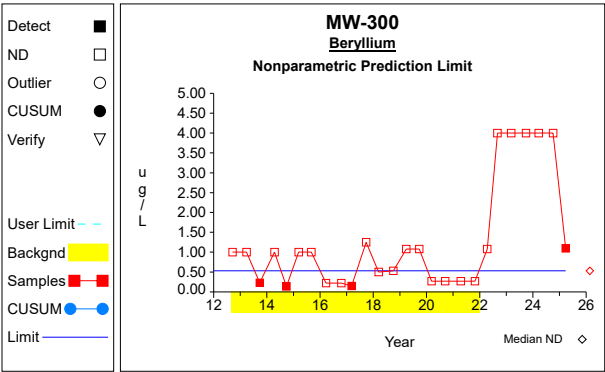
Graph 16



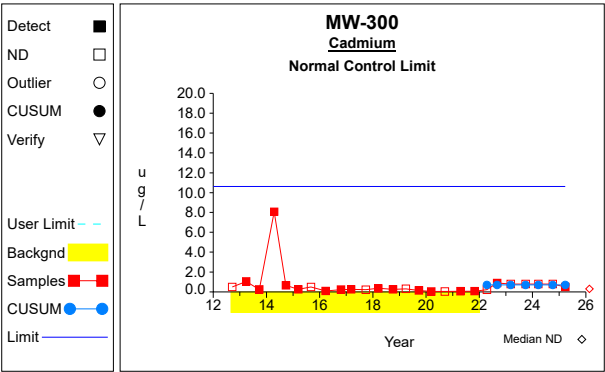
Graph 17



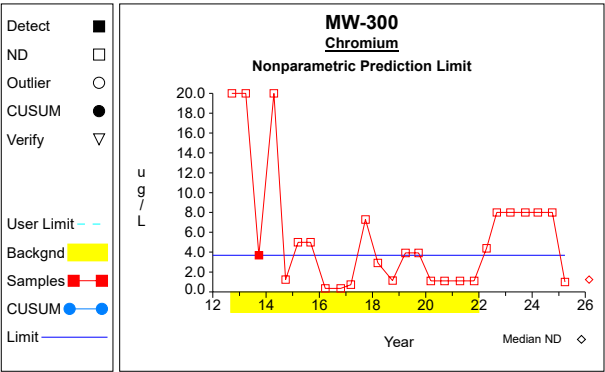
Graph 18



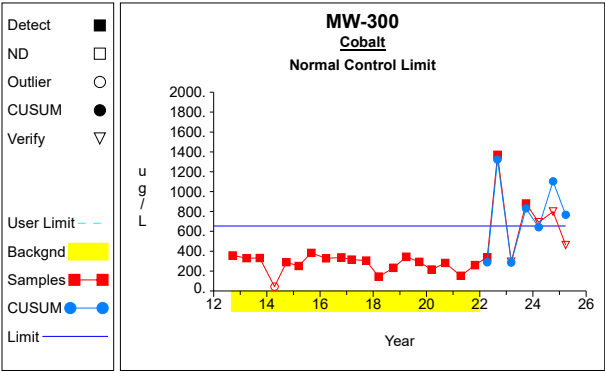
Graph 19



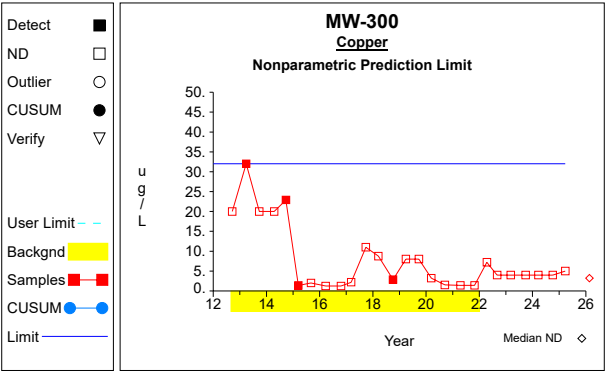
Graph 20



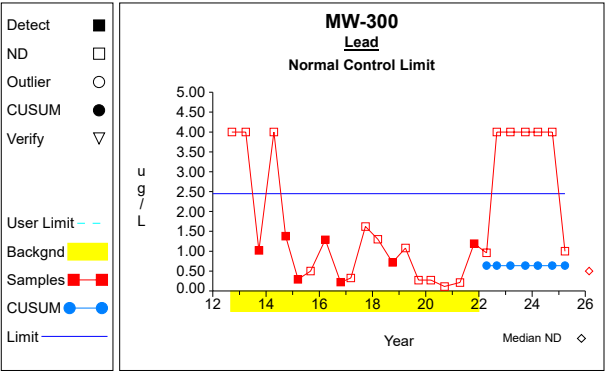
Graph 21



Graph 22

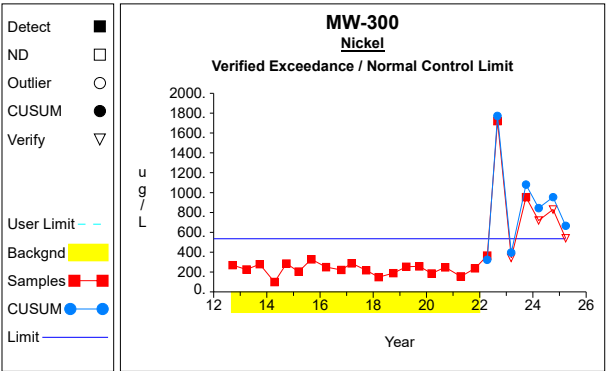


Graph 23

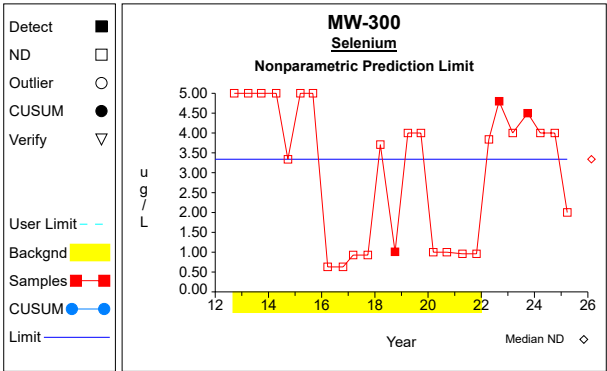


Graph 24

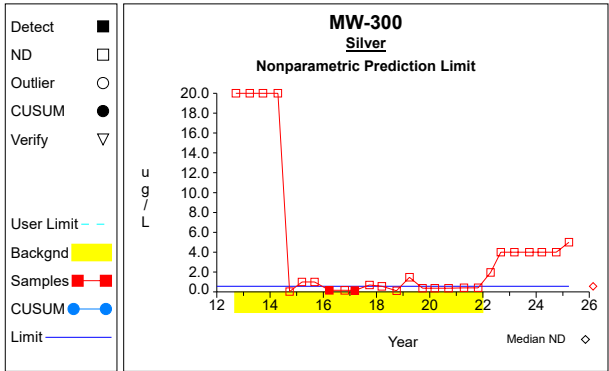
Intra-Well Control Charts / Prediction Limits



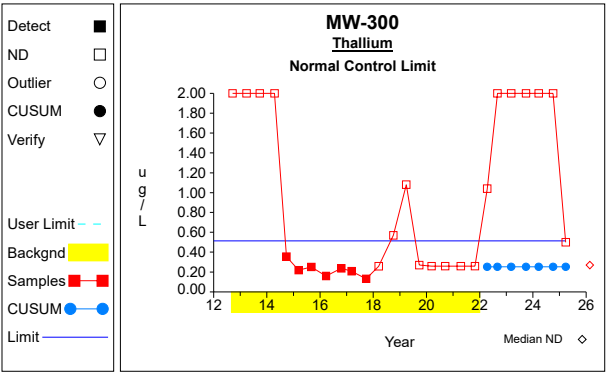
Graph 25



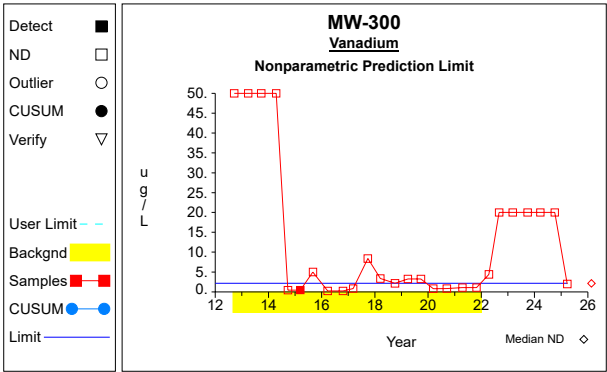
Graph 26



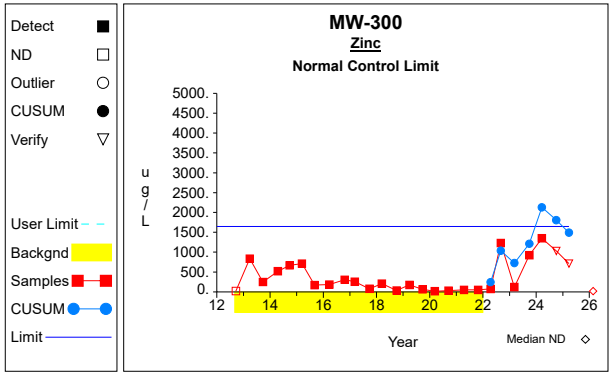
Graph 27



Graph 28

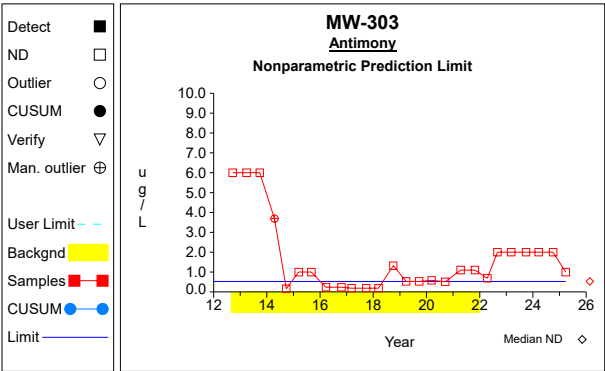


Graph 29

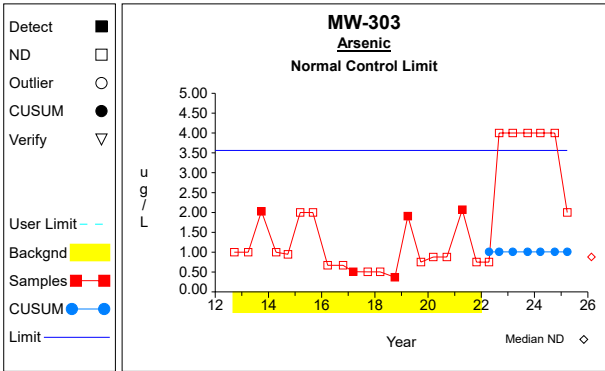


Graph 30

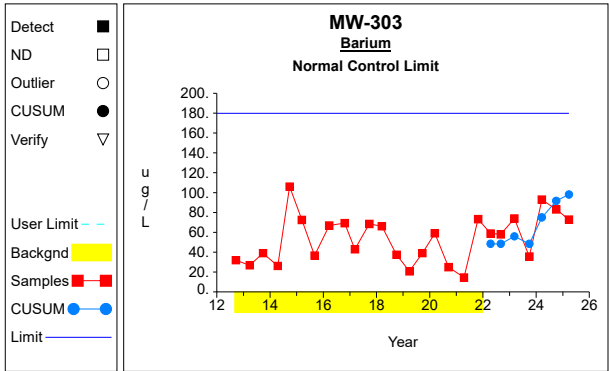
Intra-Well Control Charts / Prediction Limits



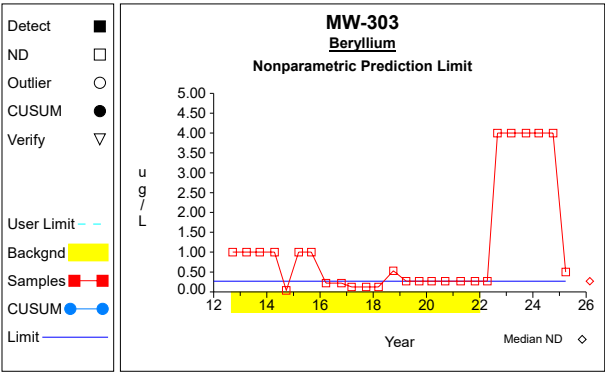
Graph 31



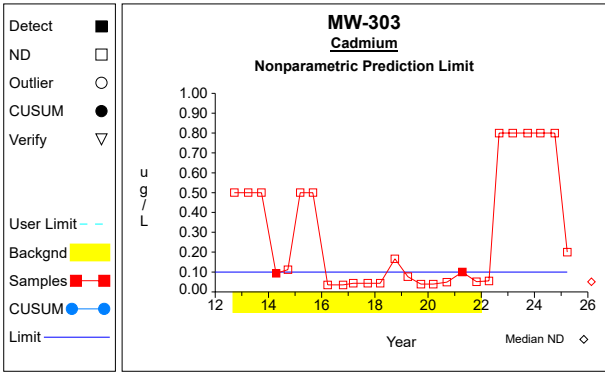
Graph 32



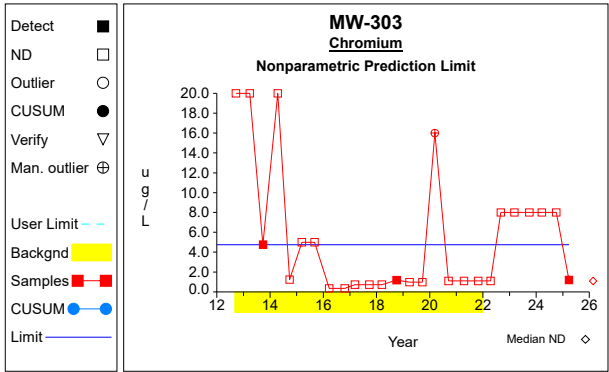
Graph 33



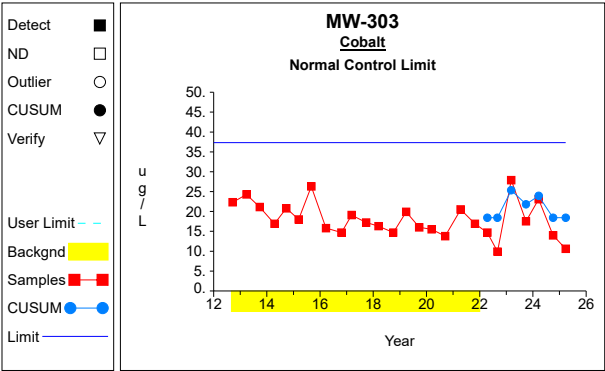
Graph 34



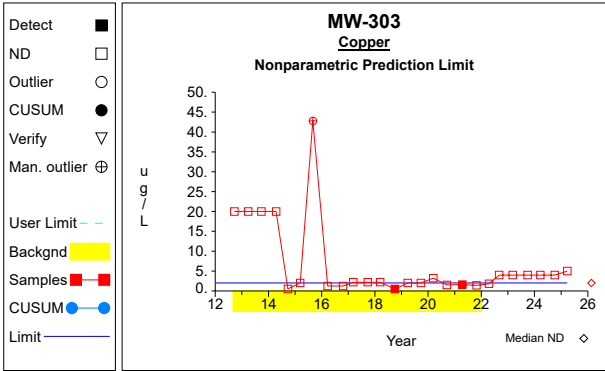
Graph 35



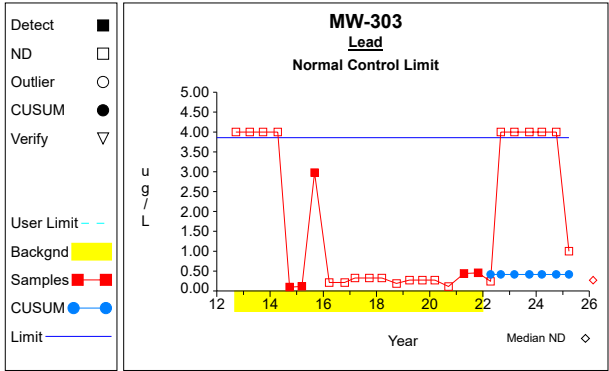
Graph 36



Graph 37

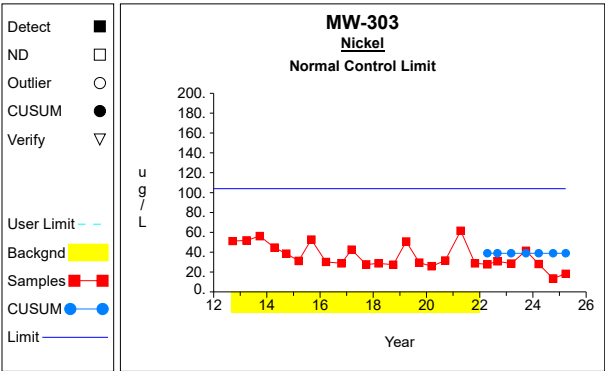


Graph 38

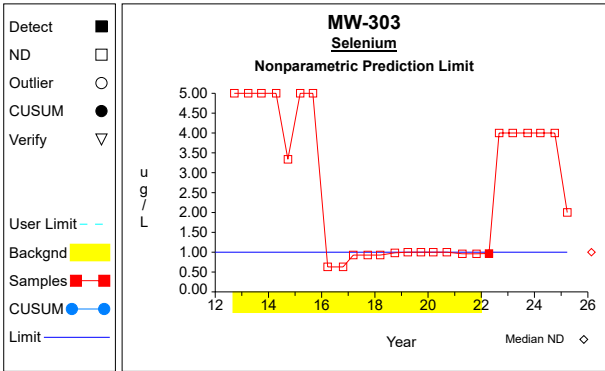


Graph 39

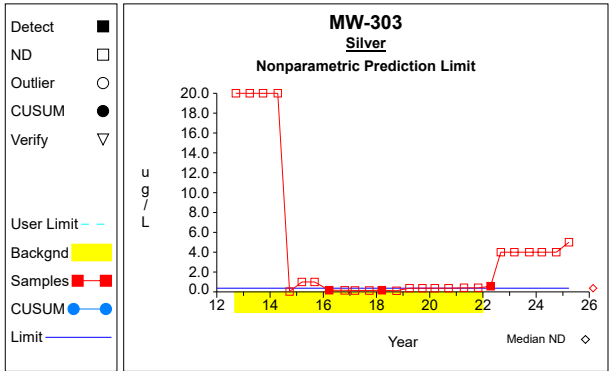
Intra-Well Control Charts / Prediction Limits



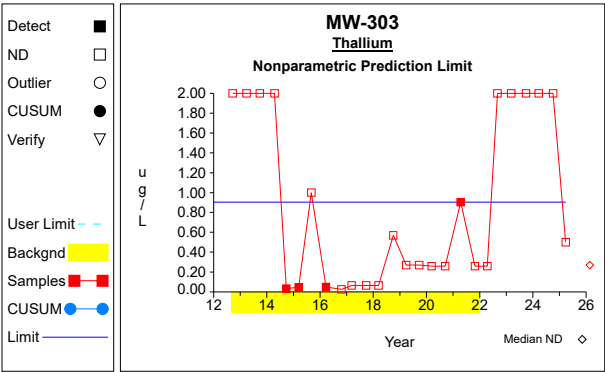
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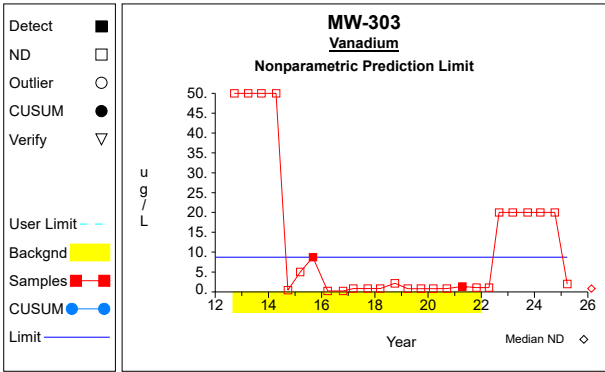
Graph 41



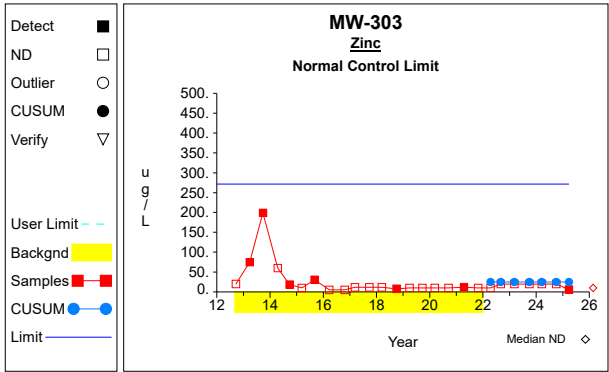
Graph 42



Graph 43

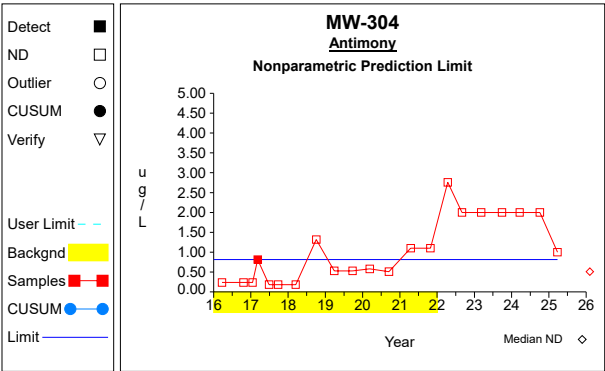


Graph 44

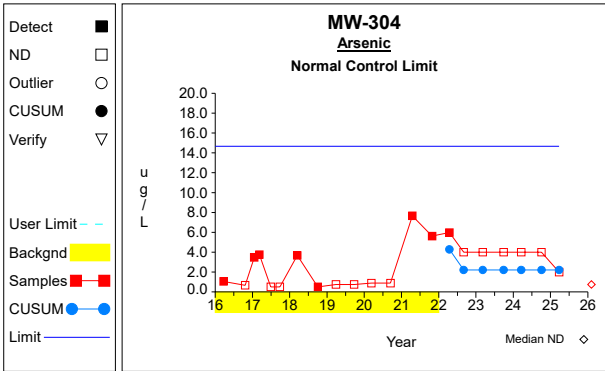


Graph 45

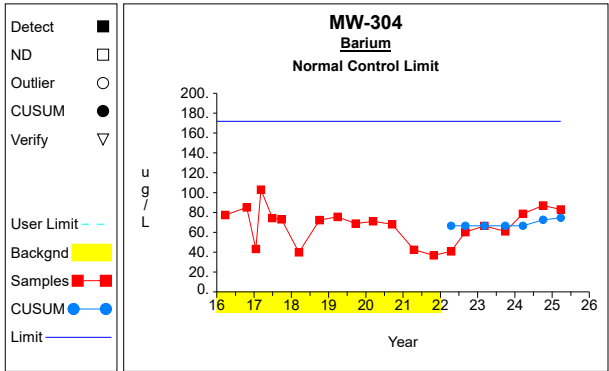
Intra-Well Control Charts / Prediction Limits



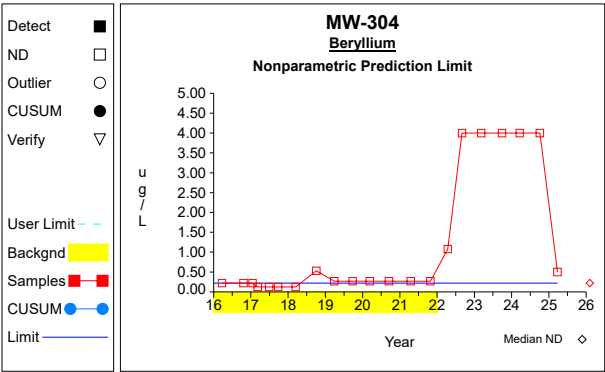
Graph 46



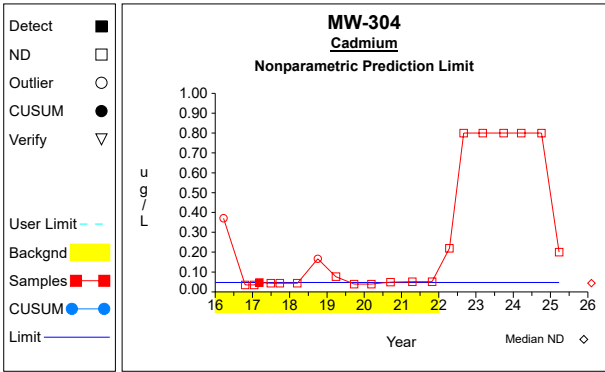
Graph 47



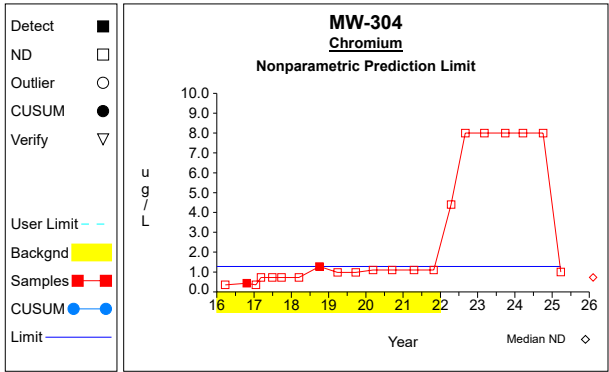
Graph 48



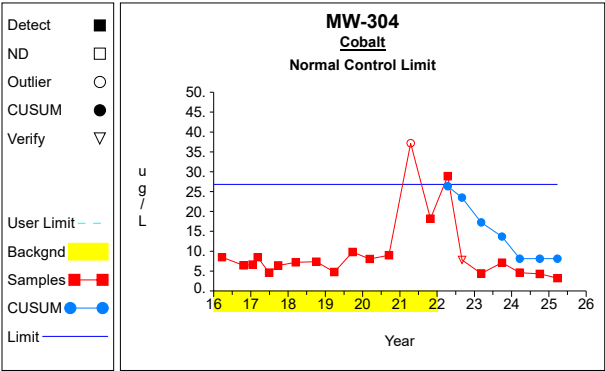
Graph 49



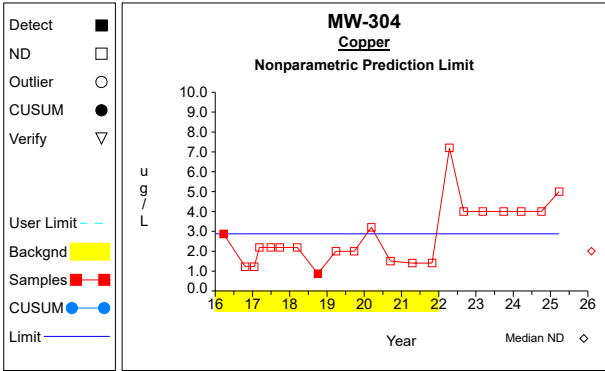
Graph 50



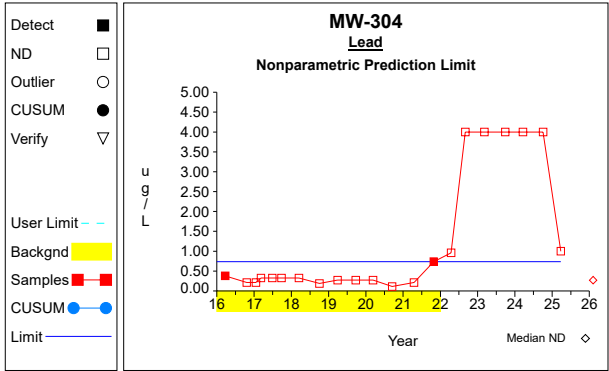
Graph 51



Graph 52

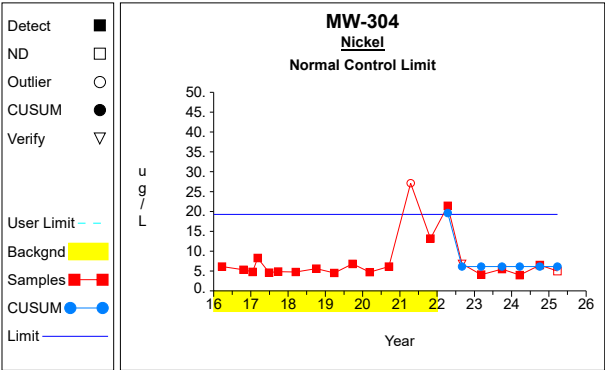


Graph 53

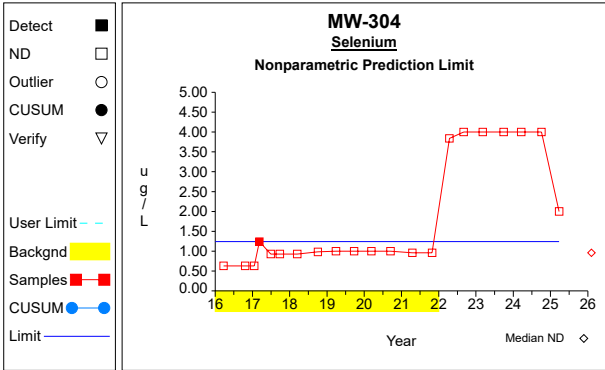


Graph 54

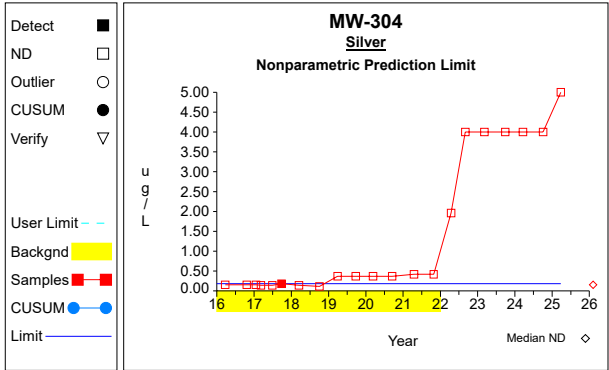
Intra-Well Control Charts / Prediction Limits



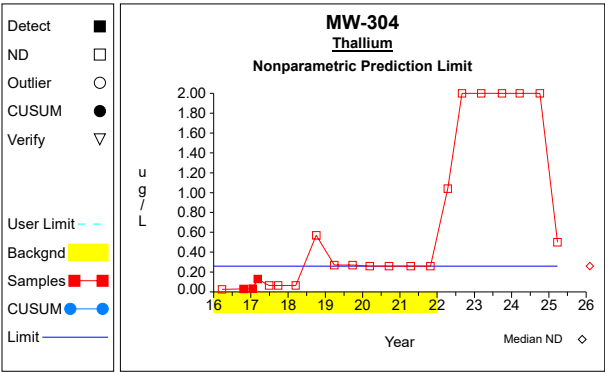
Graph 55



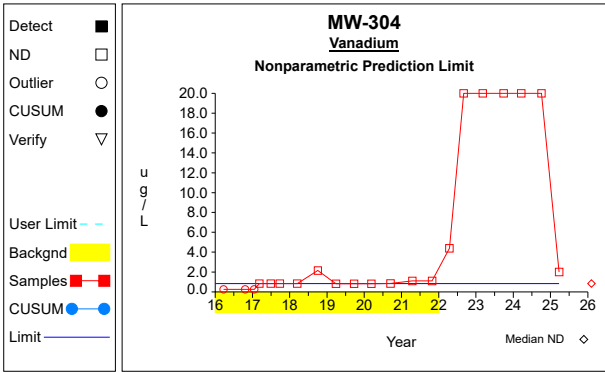
Graph 56



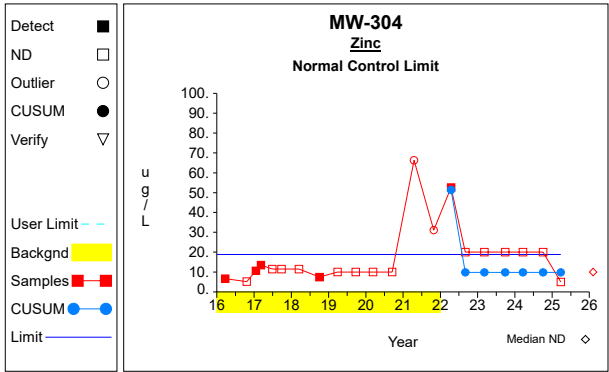
Graph 57



Graph 58

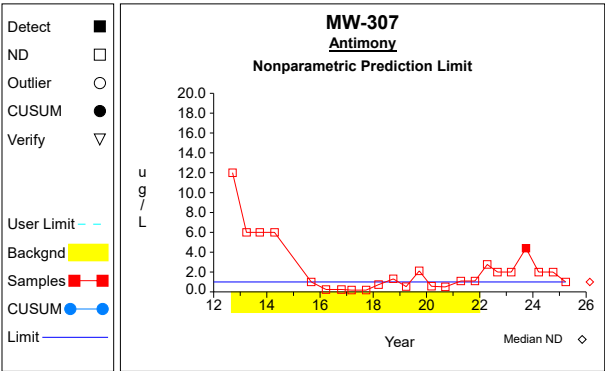


Graph 59

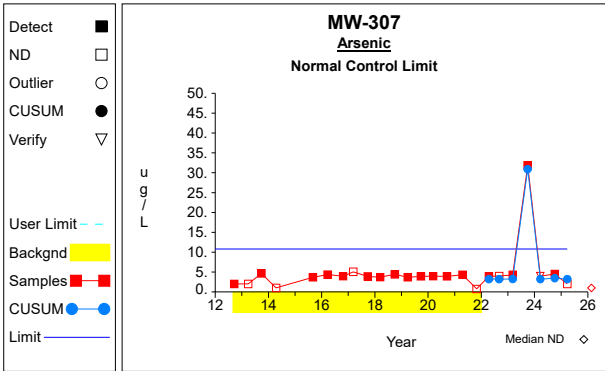


Graph 60

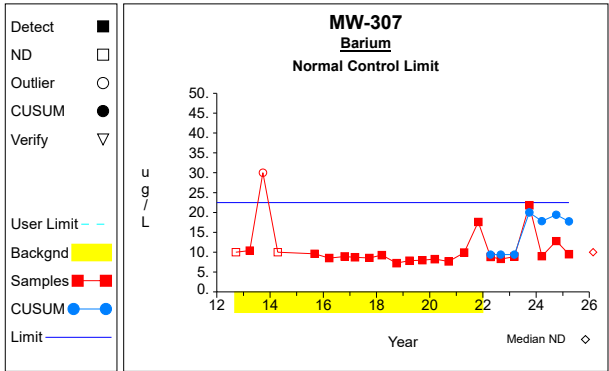
Intra-Well Control Charts / Prediction Limits



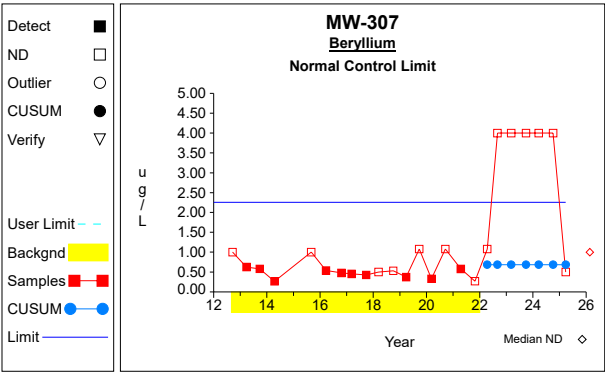
Graph 61



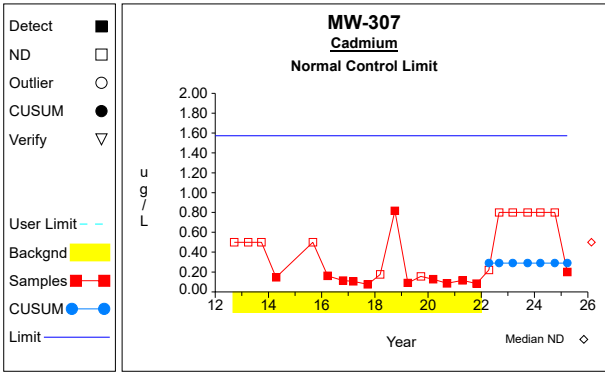
Graph 62



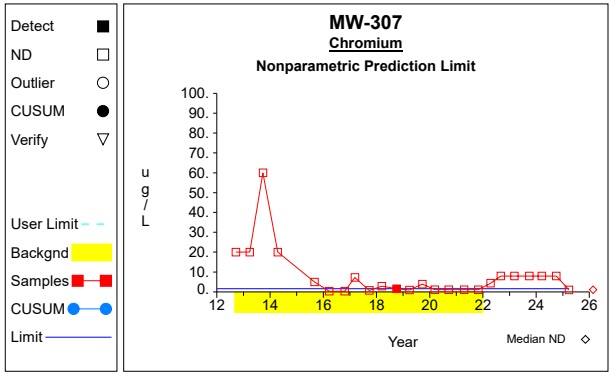
Graph 63



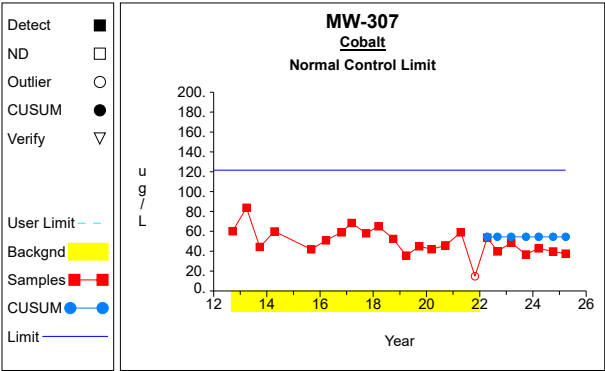
Graph 64



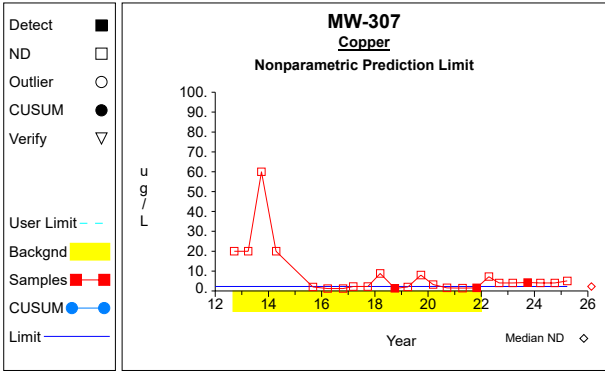
Graph 65



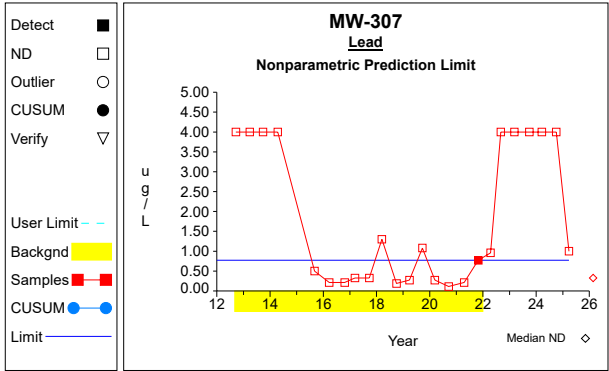
Graph 66



Graph 67

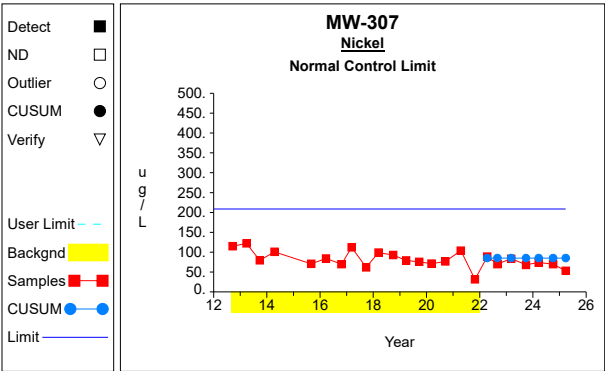


Graph 68

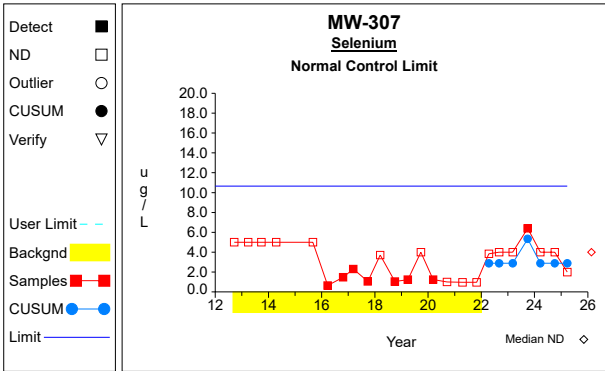


Graph 69

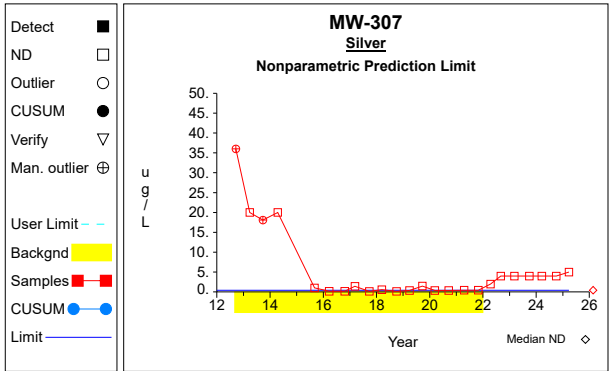
Intra-Well Control Charts / Prediction Limits



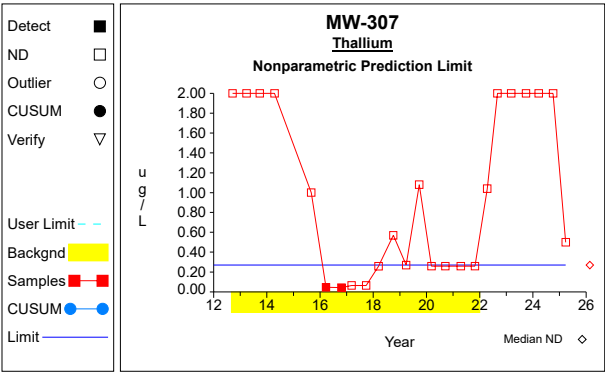
Graph 70



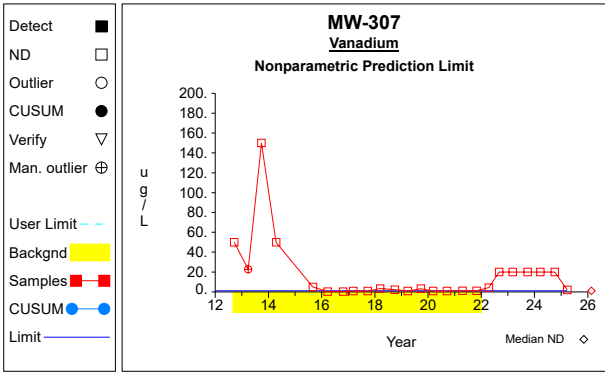
Graph 71



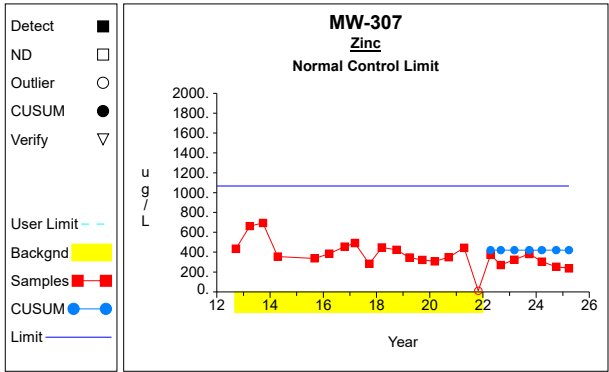
Graph 72



Graph 73

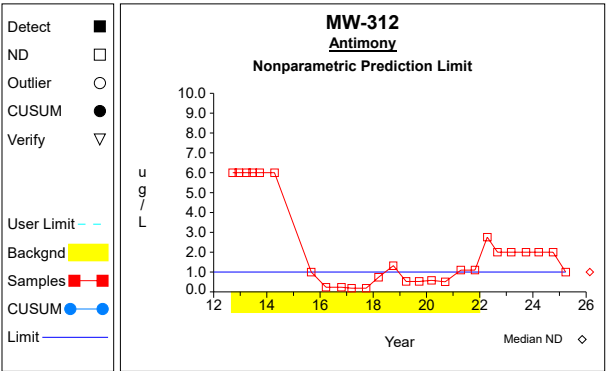


Graph 74

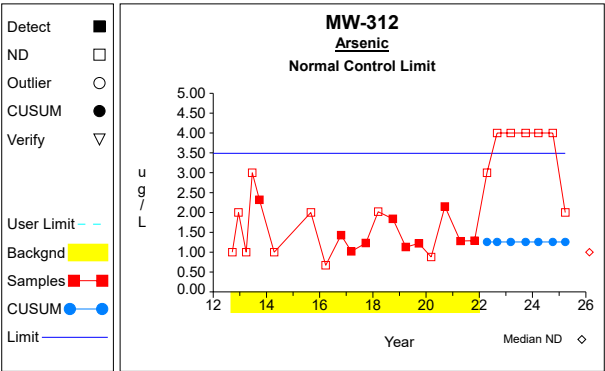


Graph 75

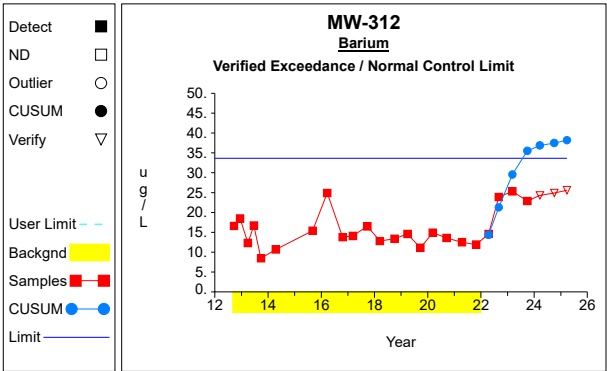
Intra-Well Control Charts / Prediction Limits



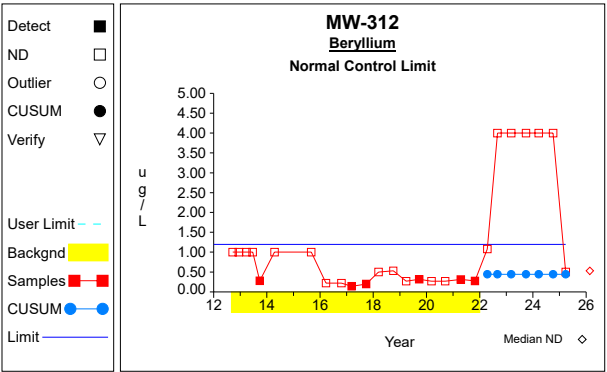
Graph 76



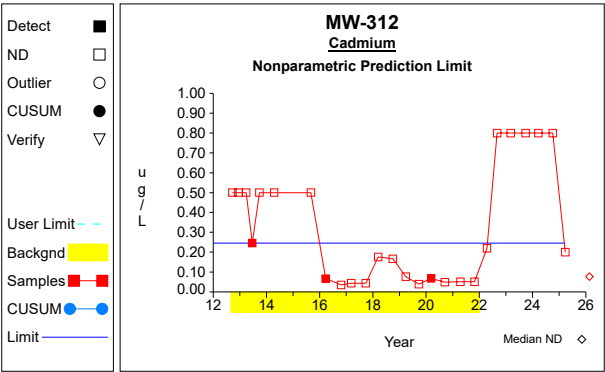
Graph 77



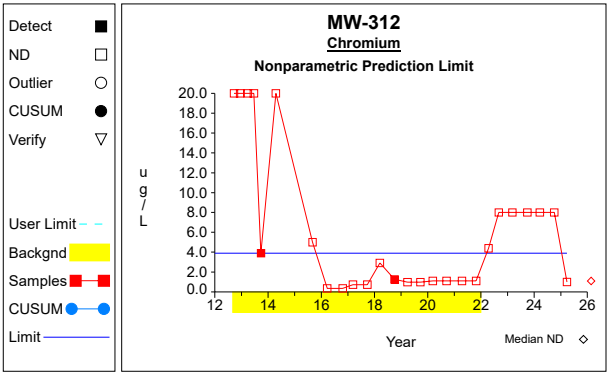
Graph 78



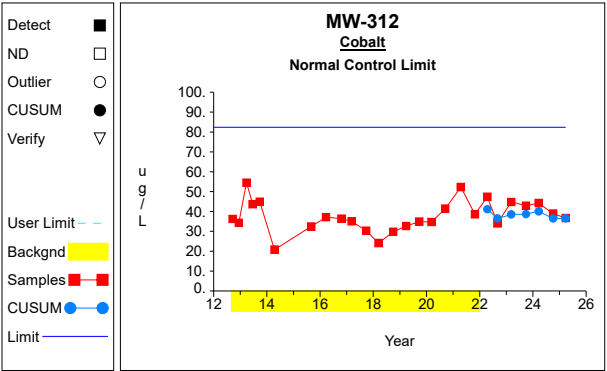
Graph 79



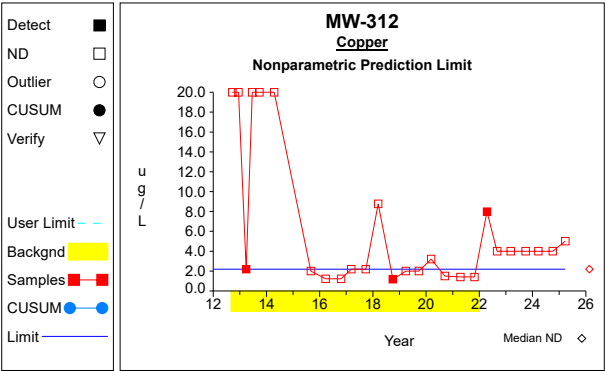
Graph 80



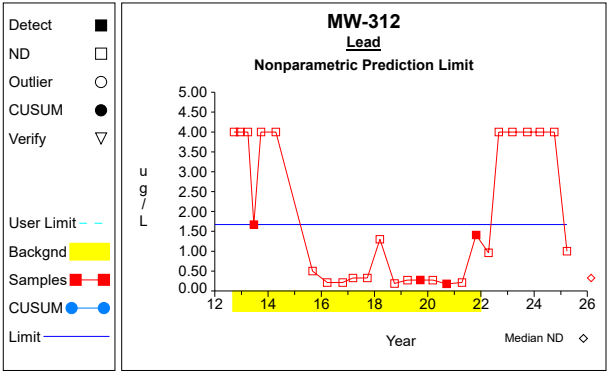
Graph 81



Graph 82

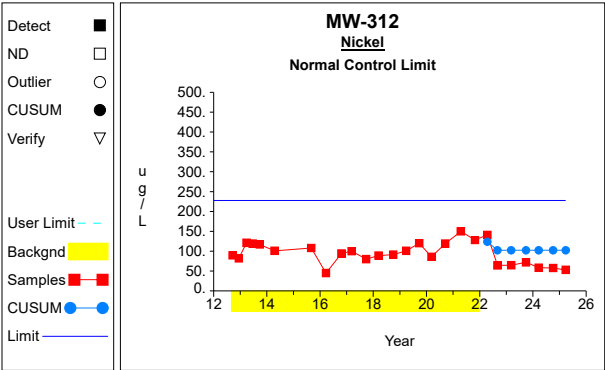


Graph 83

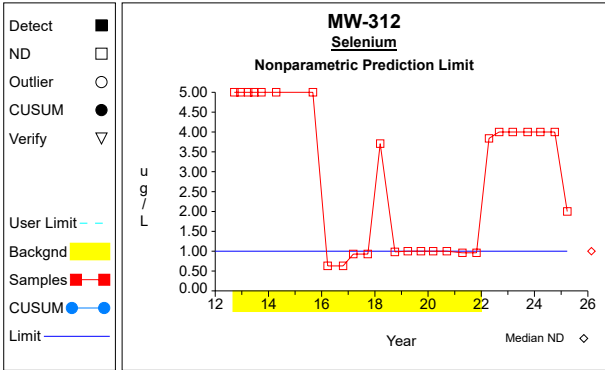


Graph 84

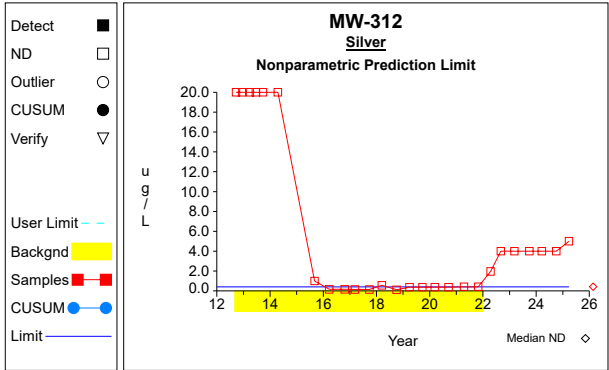
Intra-Well Control Charts / Prediction Limits



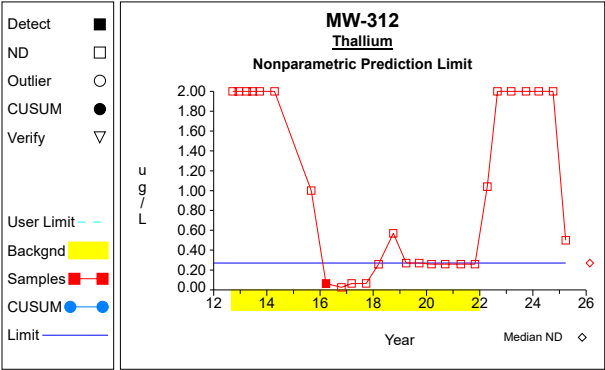
Graph 85



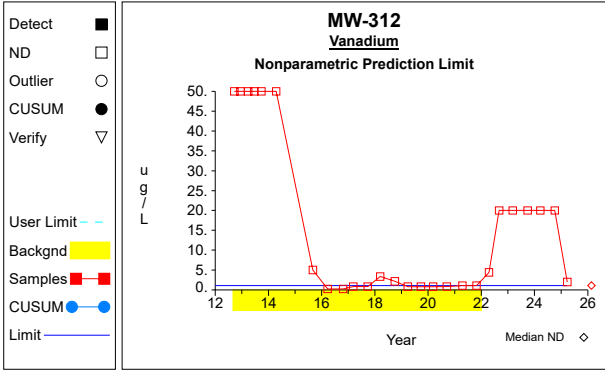
Graph 86



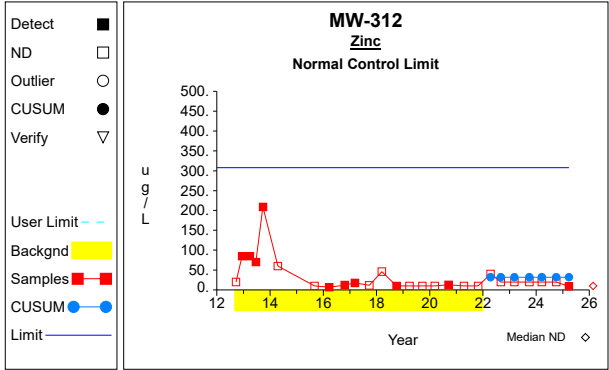
Graph 87



Graph 88

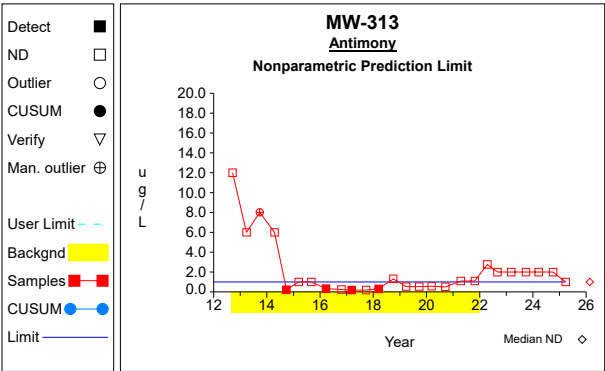


Graph 89

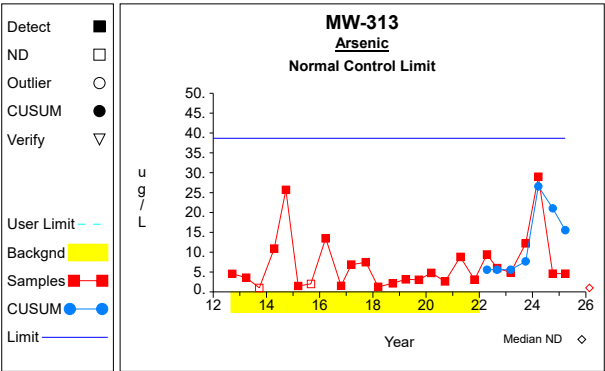


Graph 90

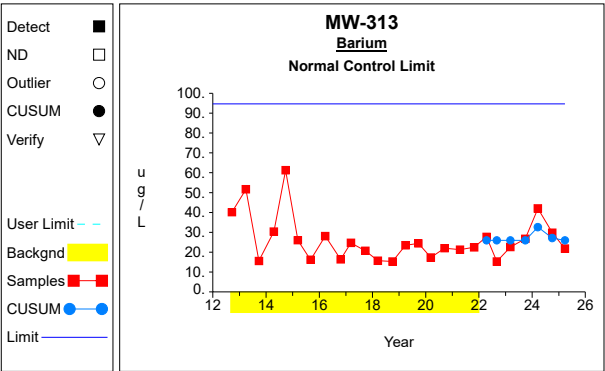
Intra-Well Control Charts / Prediction Limits



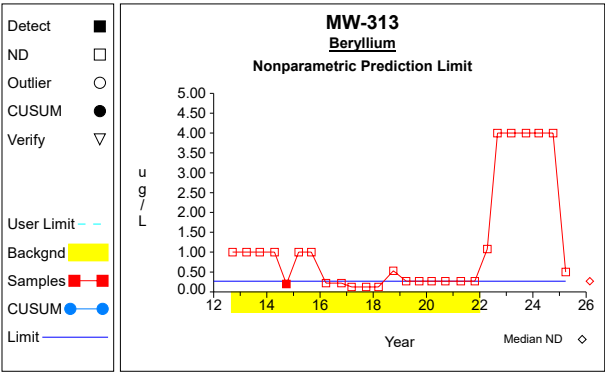
Graph 91



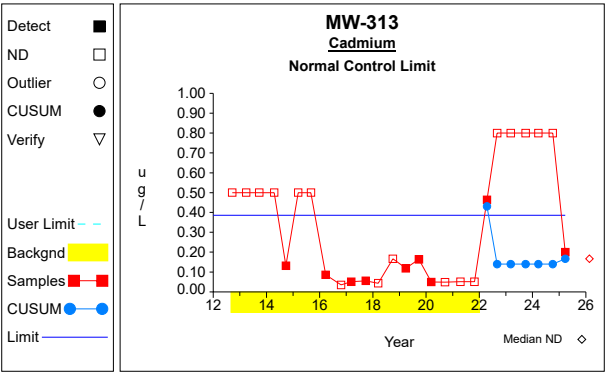
Graph 92



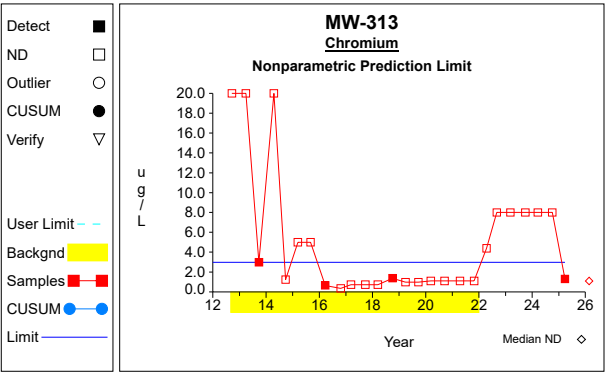
Graph 93



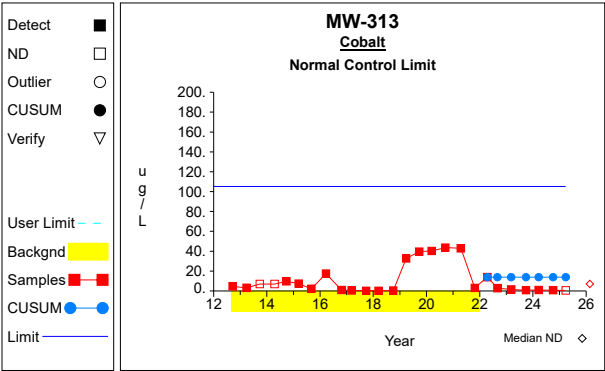
Graph 94



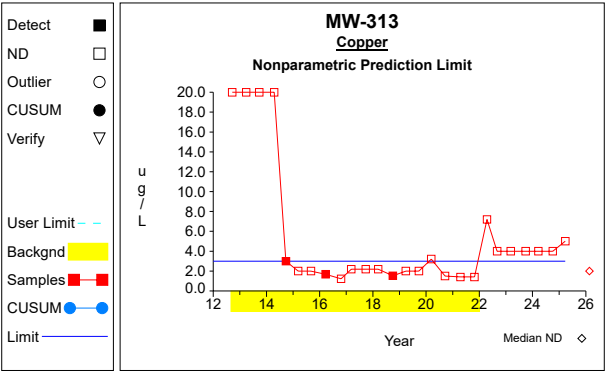
Graph 95



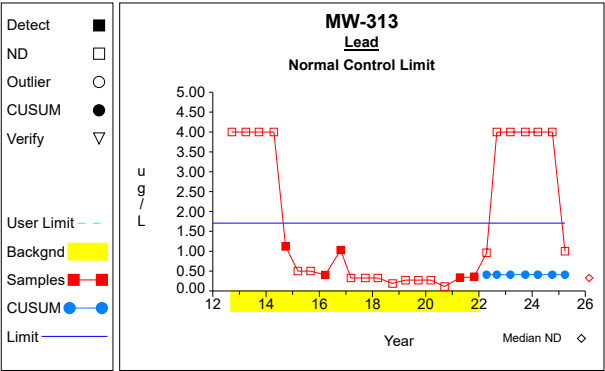
Graph 96



Graph 97

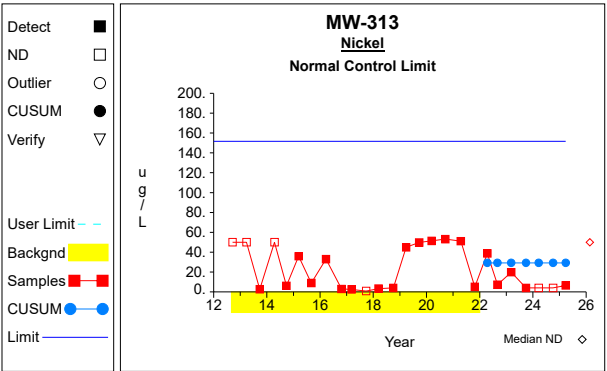


Graph 98

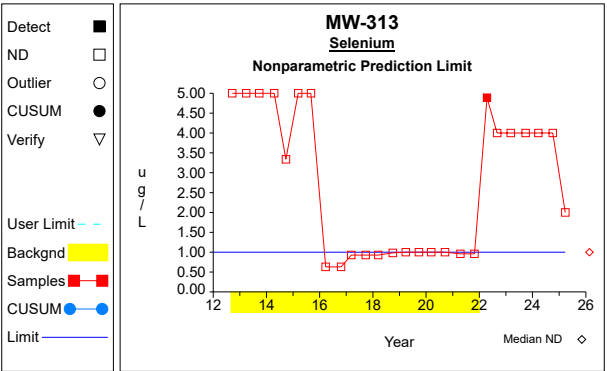


Graph 99

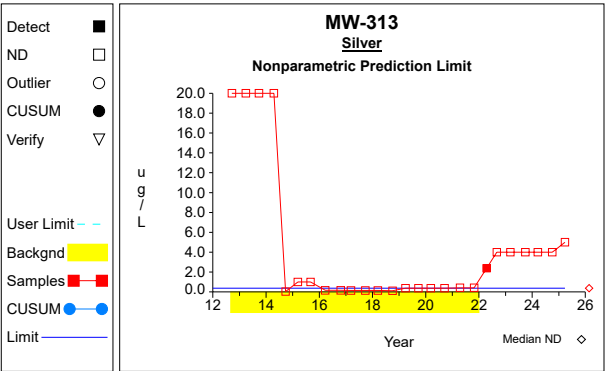
Intra-Well Control Charts / Prediction Limits



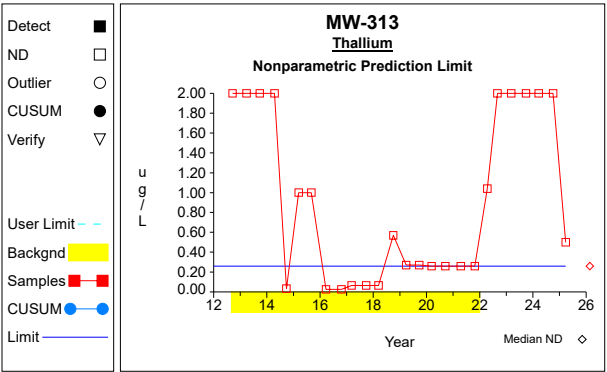
Graph 100



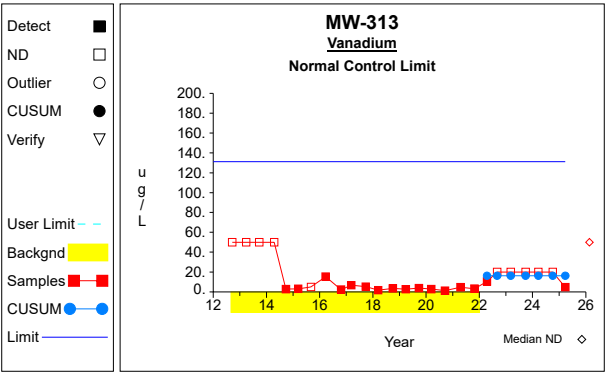
Graph 101



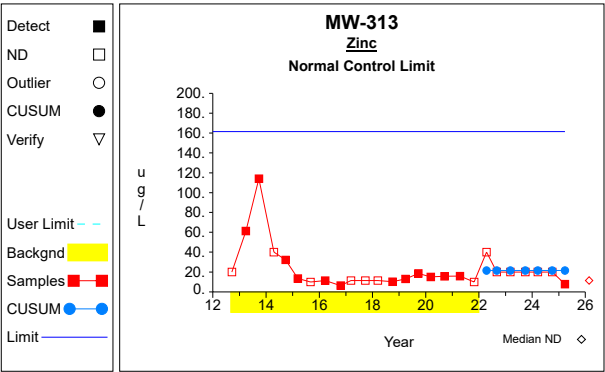
Graph 102



Graph 103

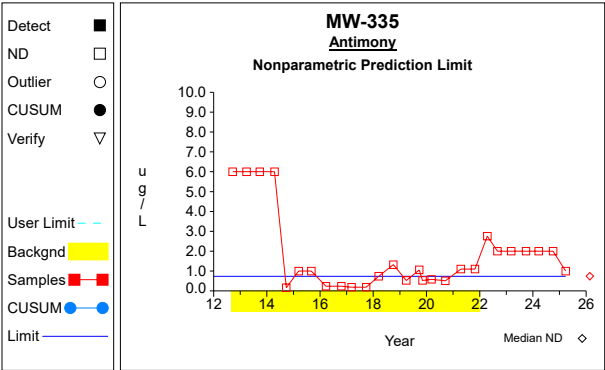


Graph 104

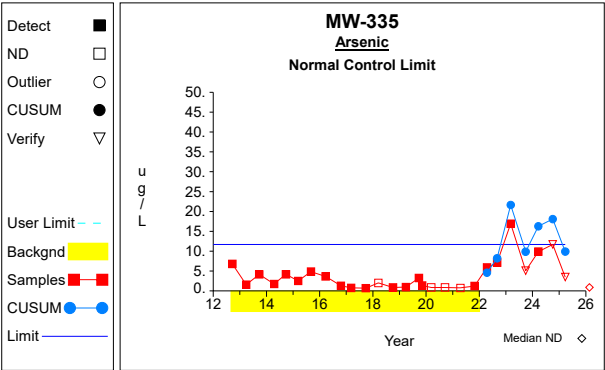


Graph 105

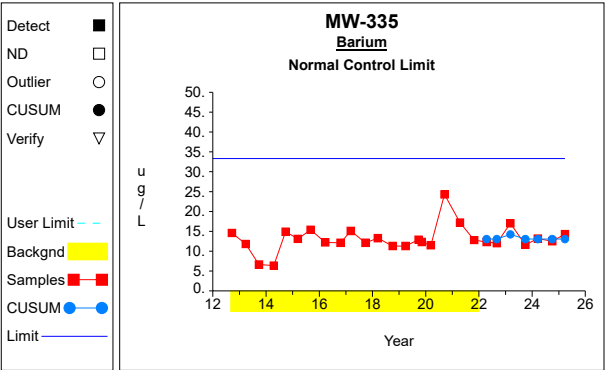
Intra-Well Control Charts / Prediction Limits



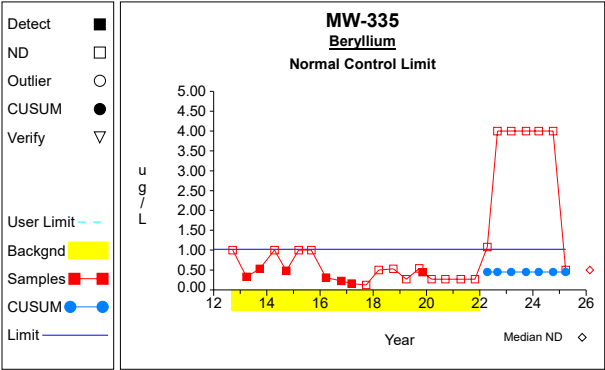
Graph 106



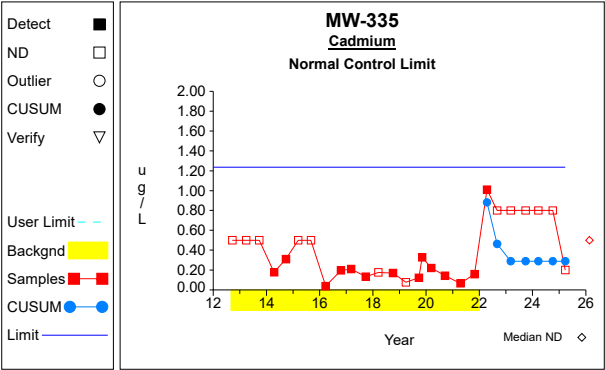
Graph 107



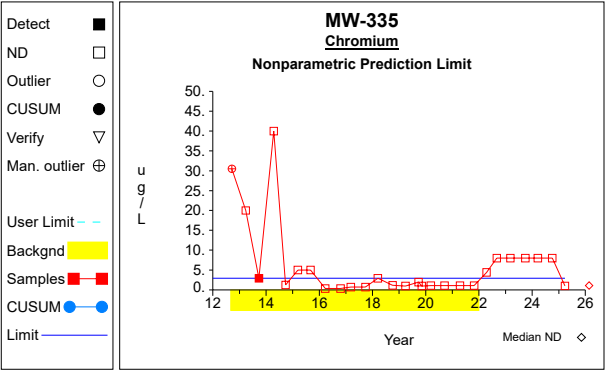
Graph 108



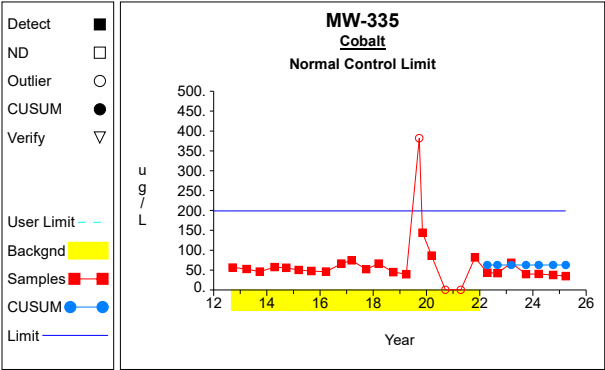
Graph 109



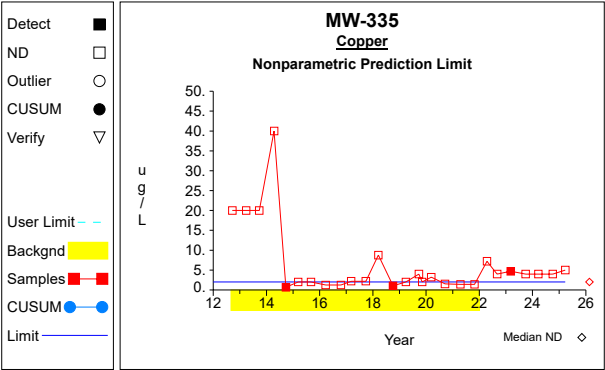
Graph 110



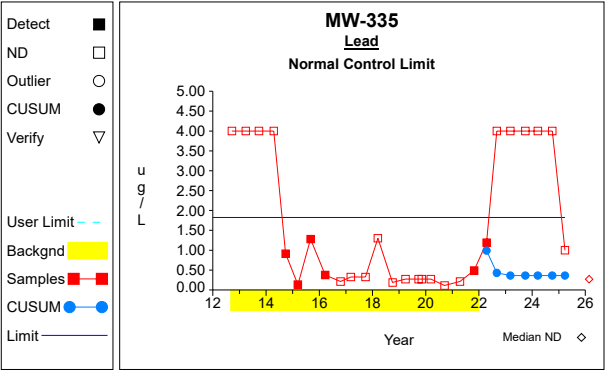
Graph 111



Graph 112

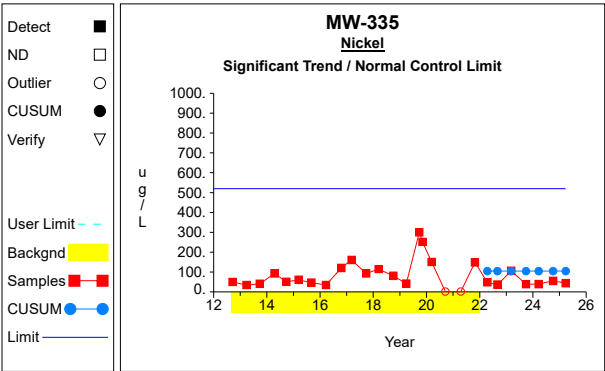


Graph 113

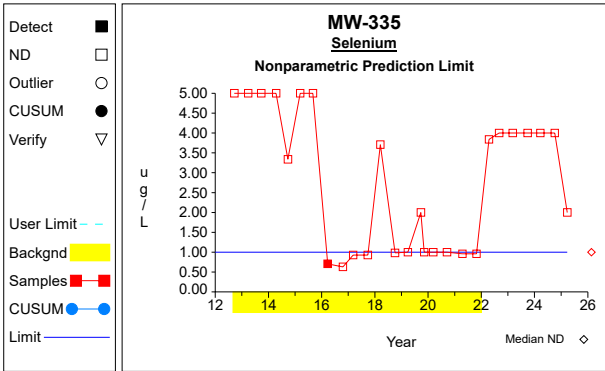


Graph 114

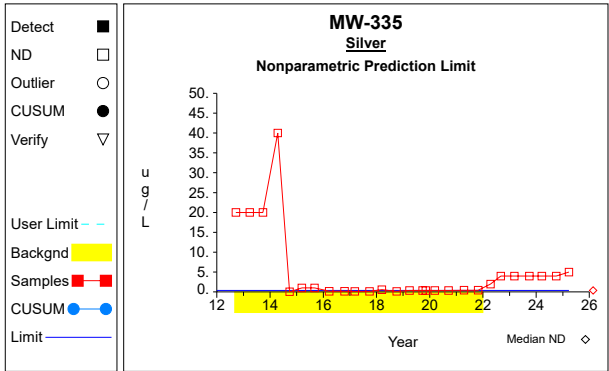
Intra-Well Control Charts / Prediction Limits



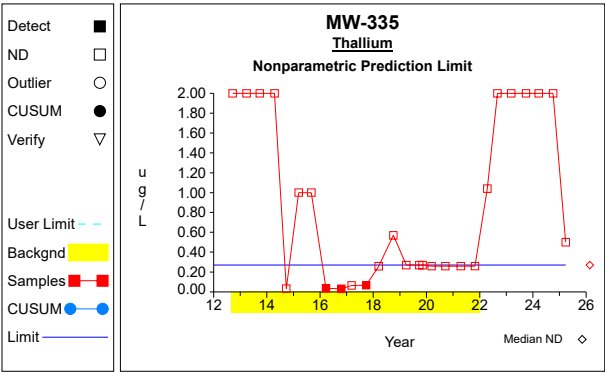
Graph 115



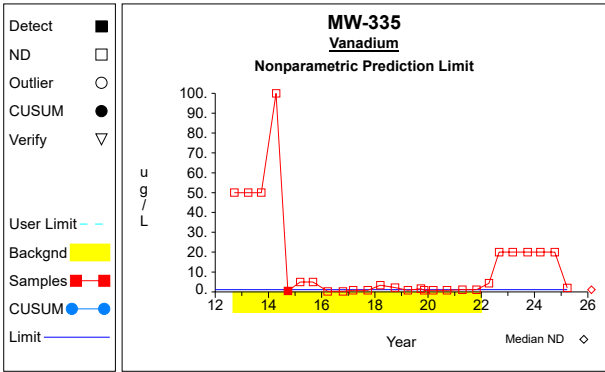
Graph 116



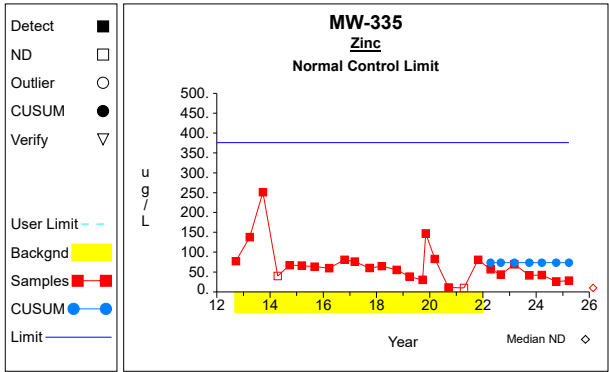
Graph 117



Graph 118

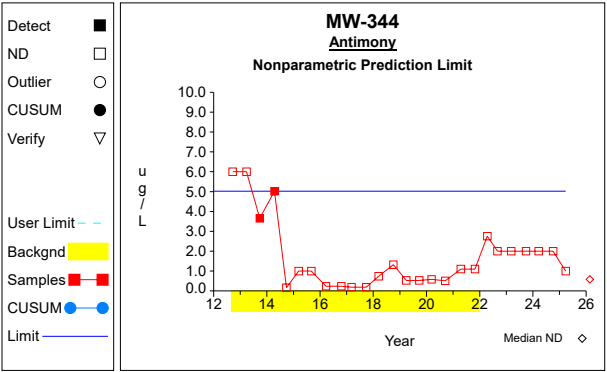


Graph 119

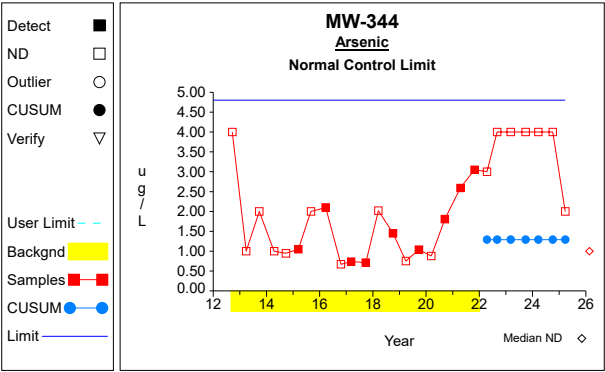


Graph 120

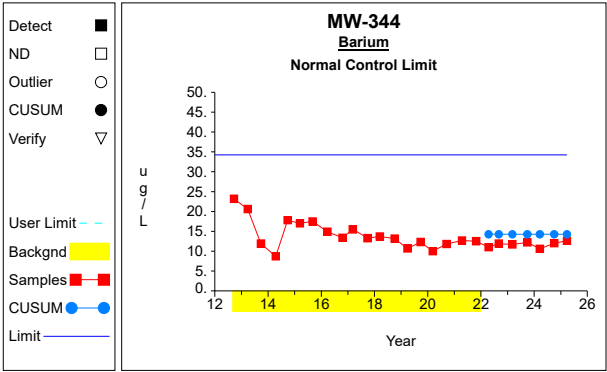
Intra-Well Control Charts / Prediction Limits



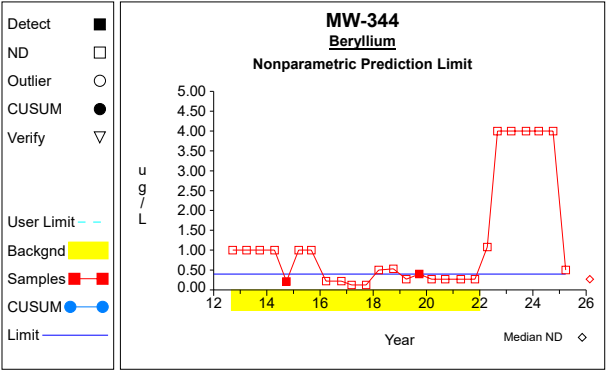
Graph 121



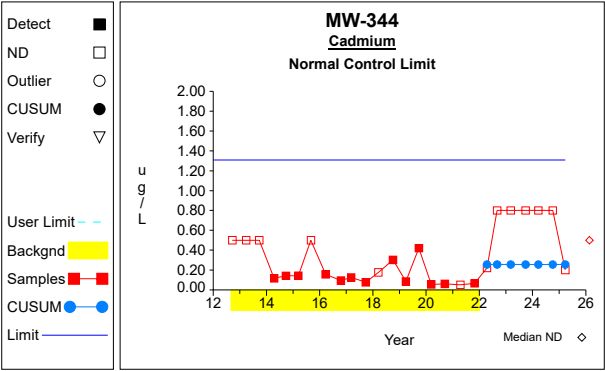
Graph 122



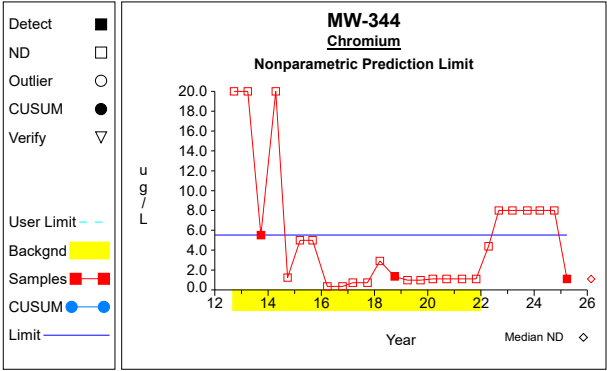
Graph 123



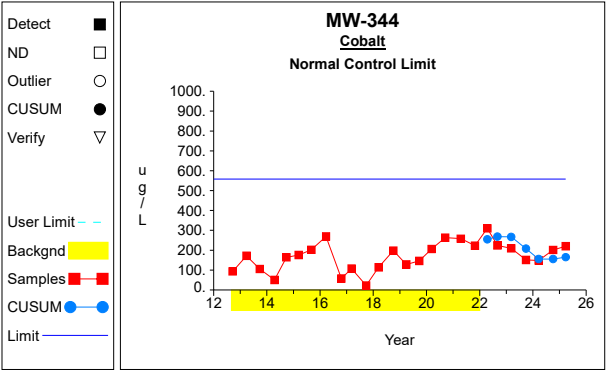
Graph 124



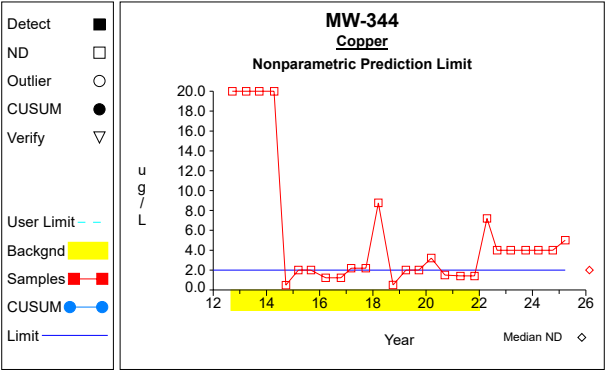
Graph 125



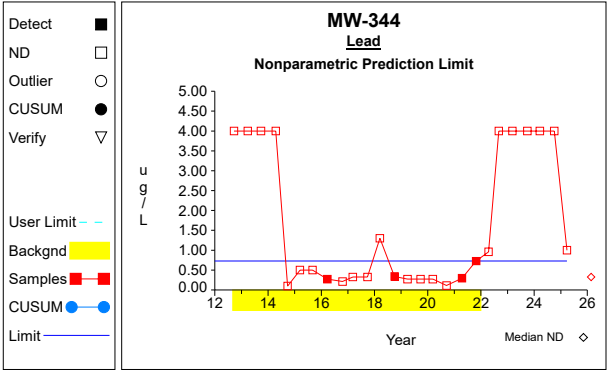
Graph 126



Graph 127

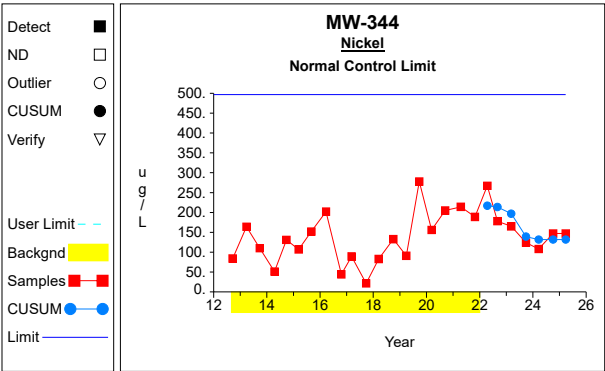


Graph 128

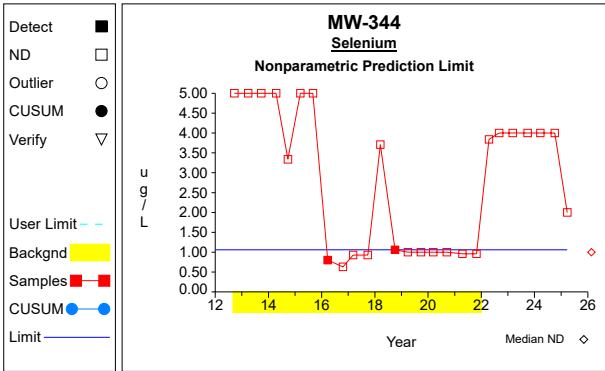


Graph 129

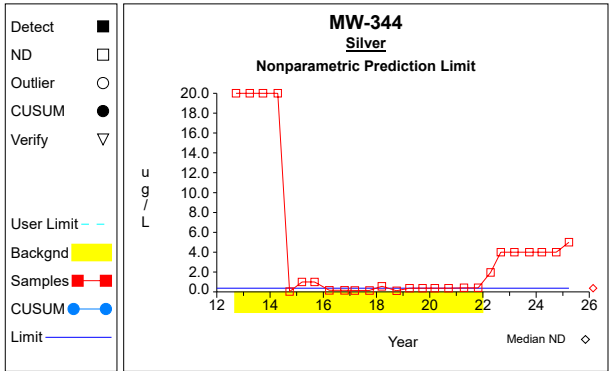
Intra-Well Control Charts / Prediction Limits



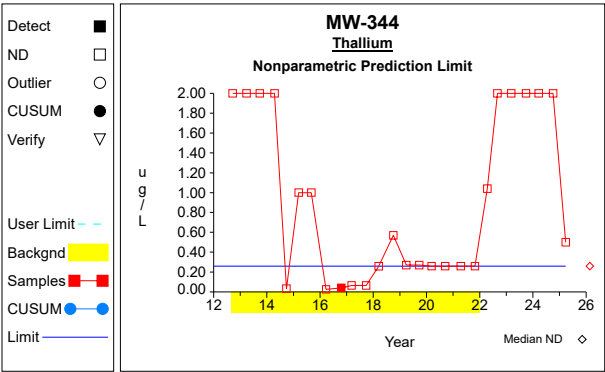
Graph 130



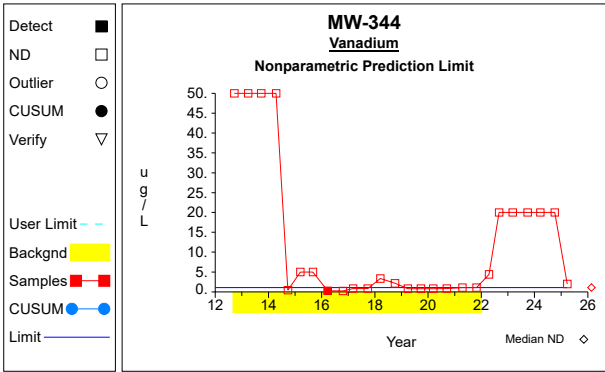
Graph 131



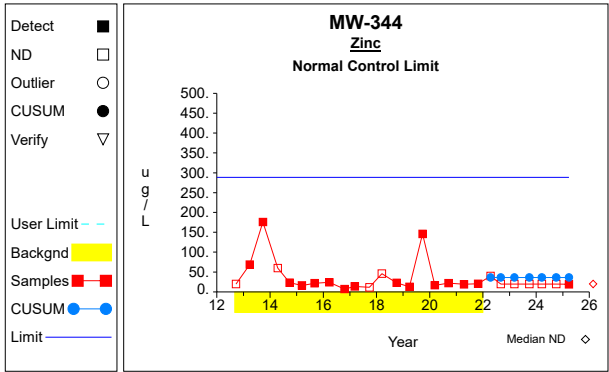
Graph 132



Graph 133

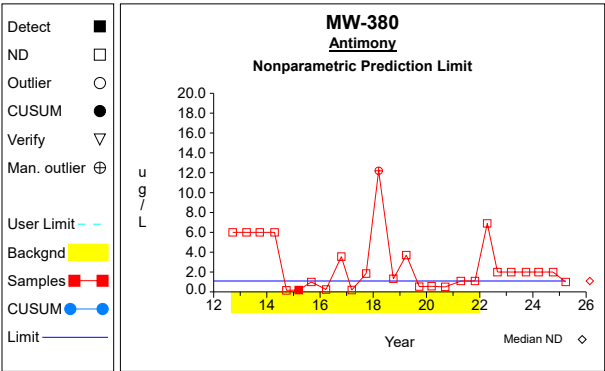


Graph 134

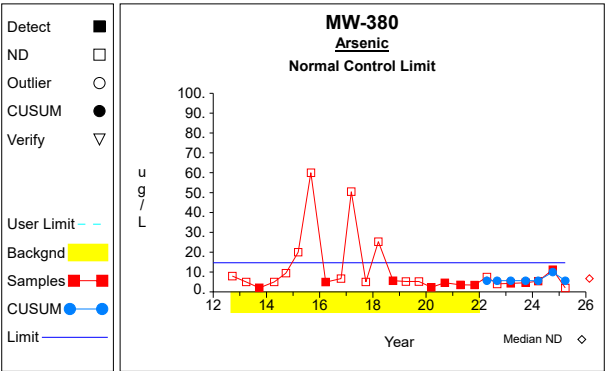


Graph 135

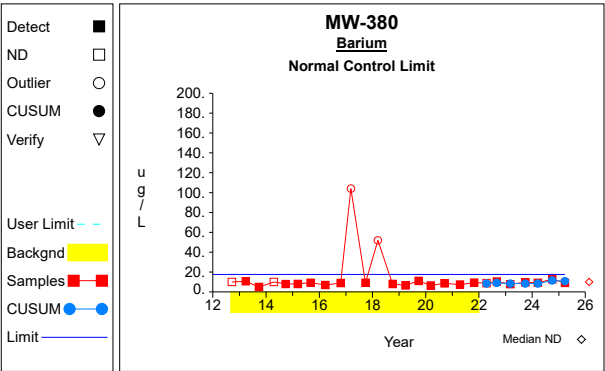
Intra-Well Control Charts / Prediction Limits



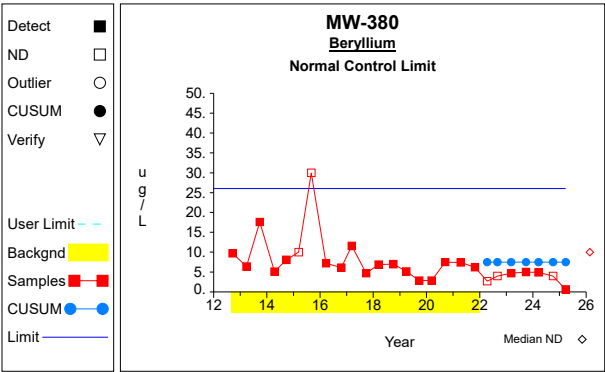
Graph 136



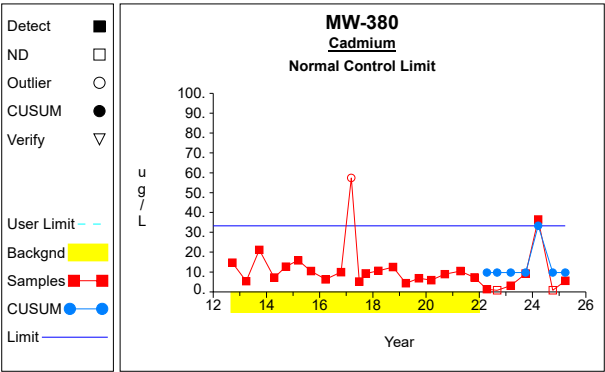
Graph 137



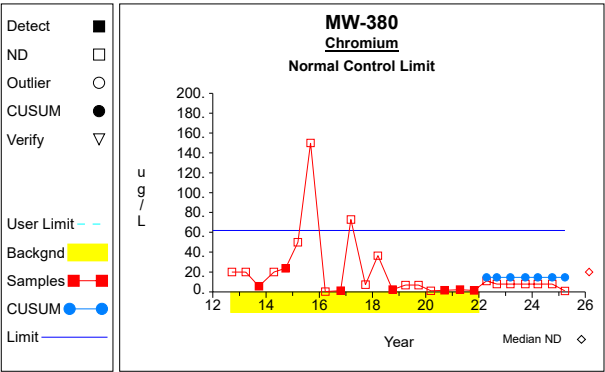
Graph 138



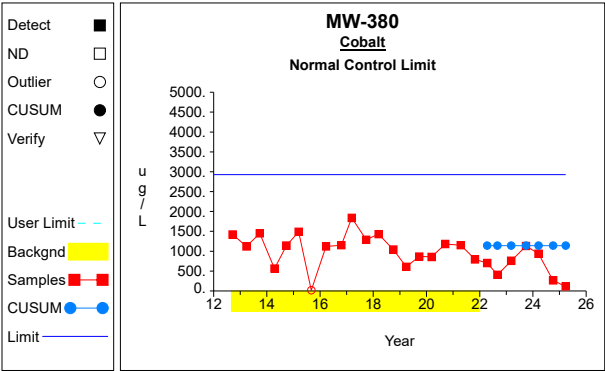
Graph 139



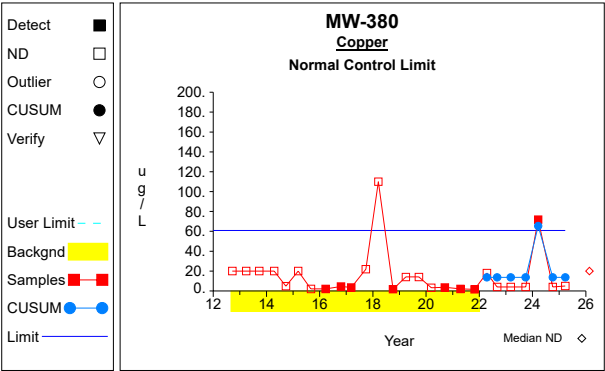
Graph 140



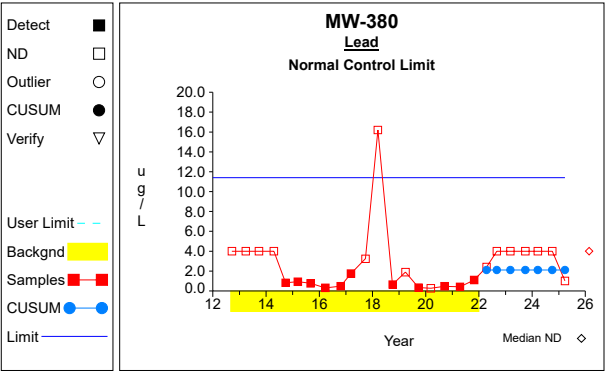
Graph 141



Graph 142

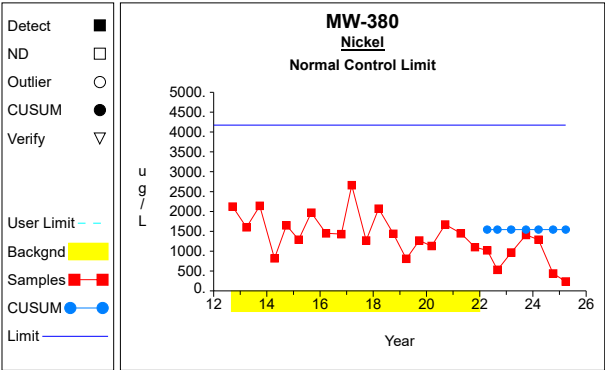


Graph 143

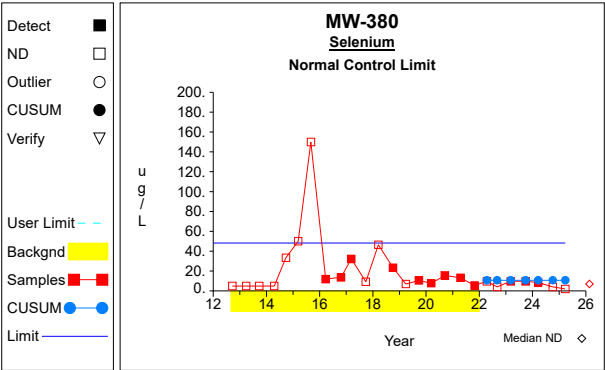


Graph 144

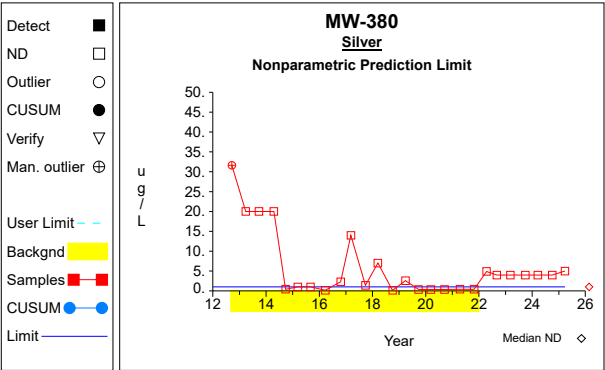
Intra-Well Control Charts / Prediction Limits



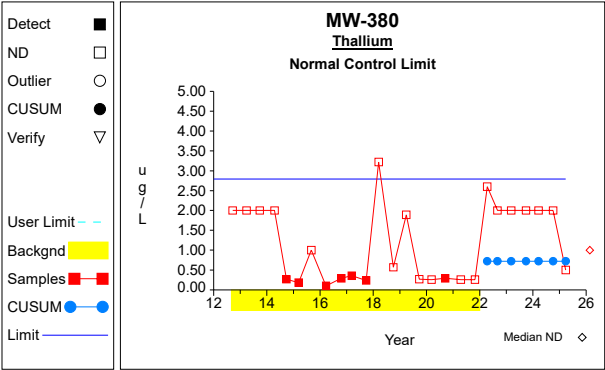
Graph 145



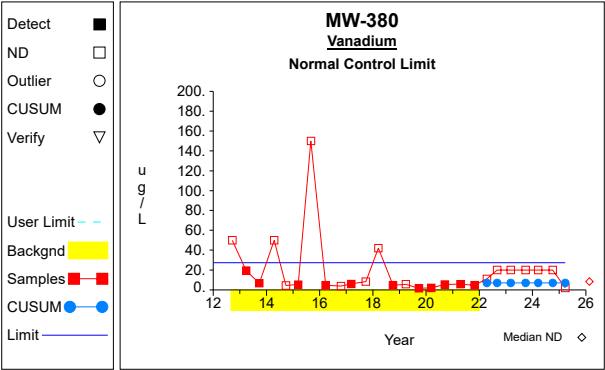
Graph 146



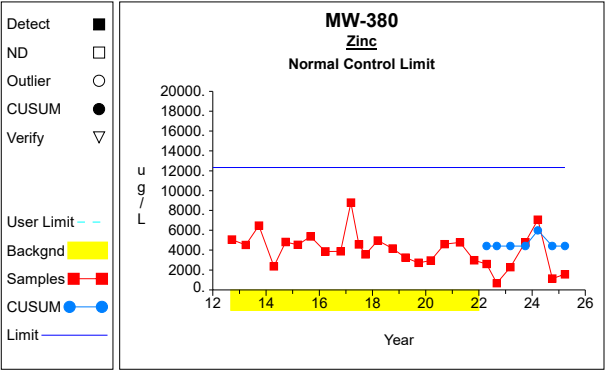
Graph 147



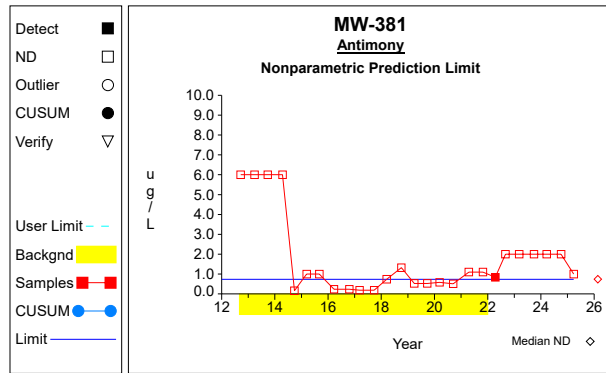
Graph 148



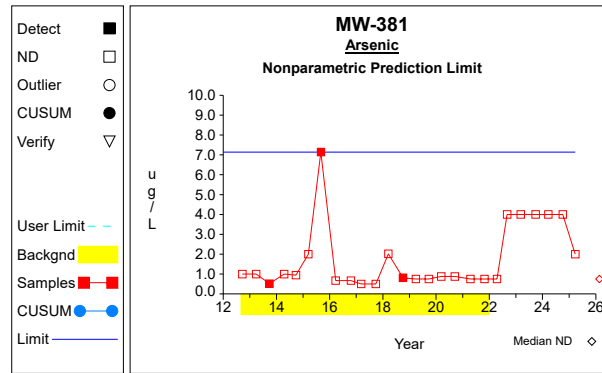
Graph 149



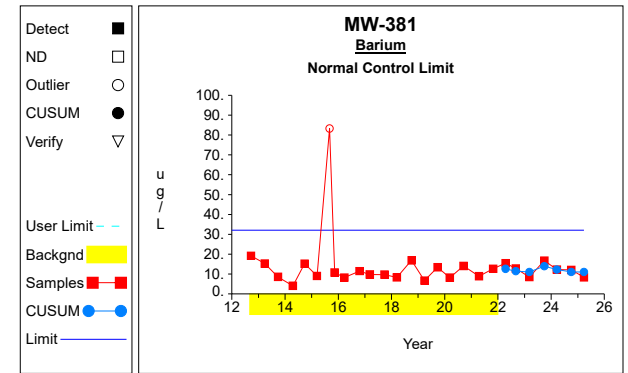
Graph 150

Intra-Well Control Charts / Prediction Limits

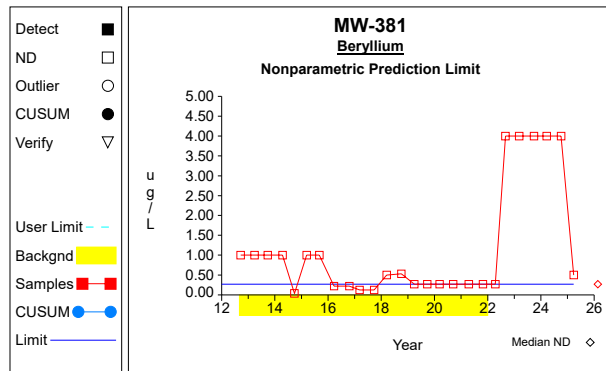
Graph 151



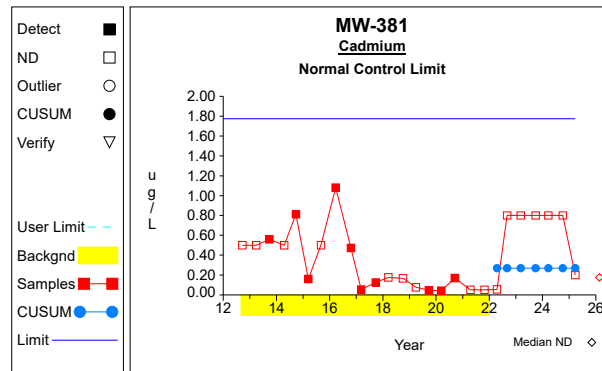
Graph 152



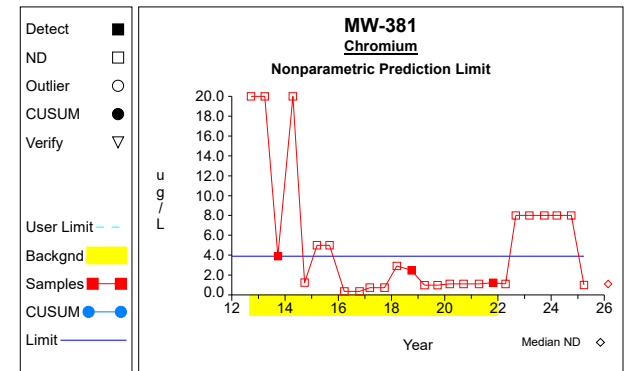
Graph 153



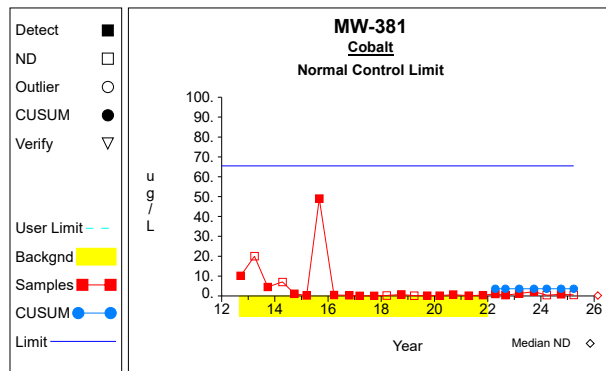
Graph 154



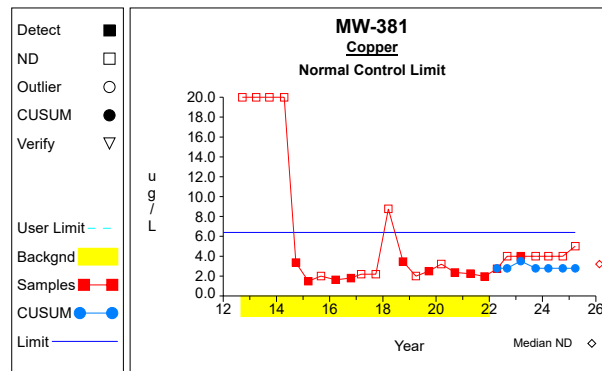
Graph 155



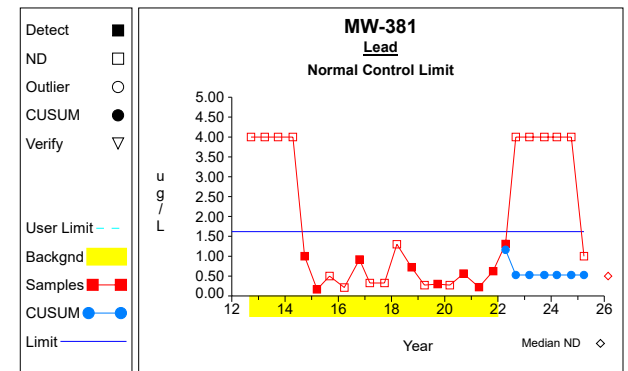
Graph 156



Graph 157

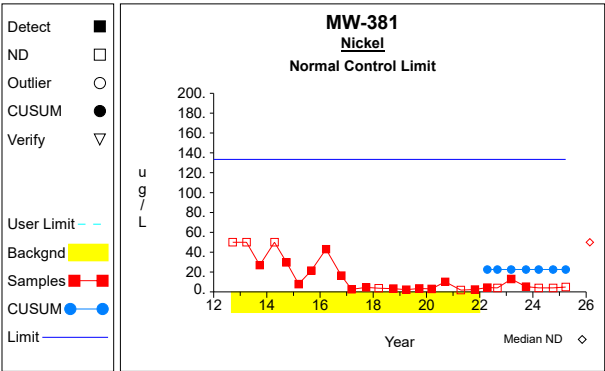


Graph 158

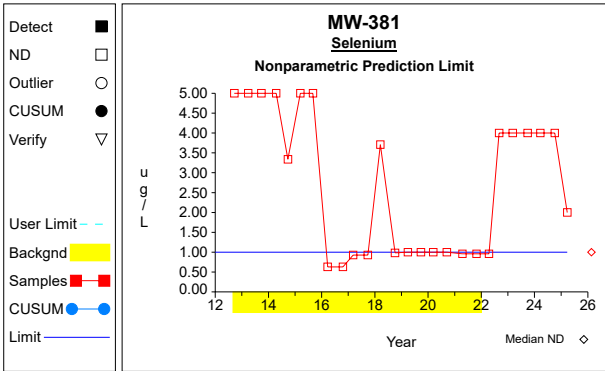


Graph 159

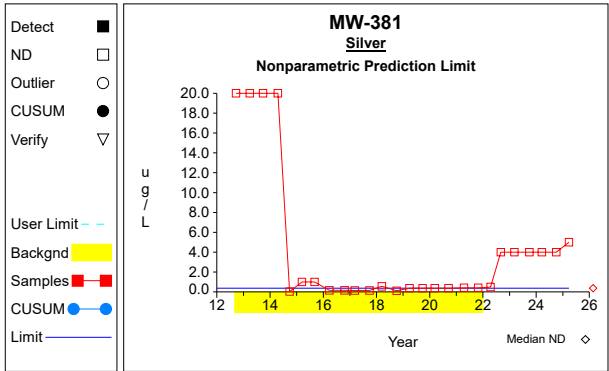
Intra-Well Control Charts / Prediction Limits



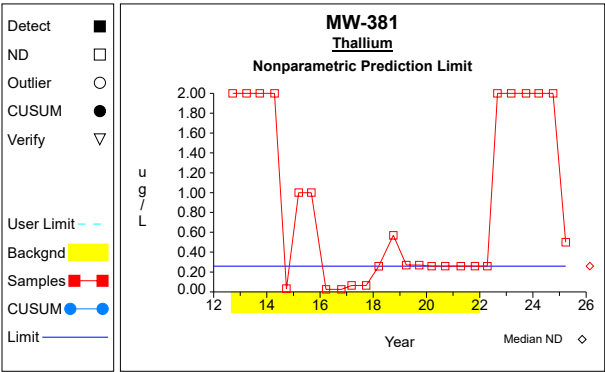
Graph 160



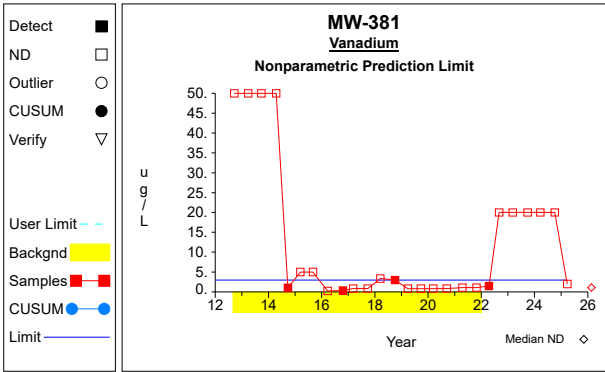
Graph 161



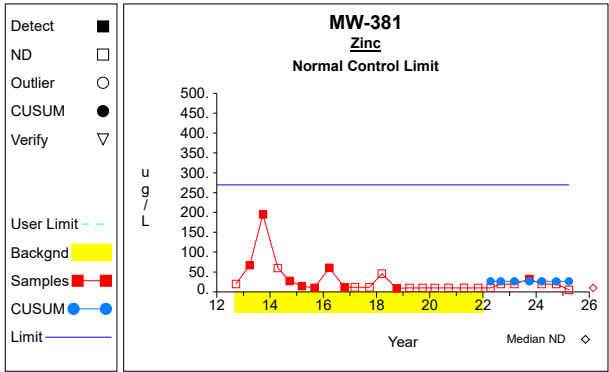
Graph 162



Graph 163

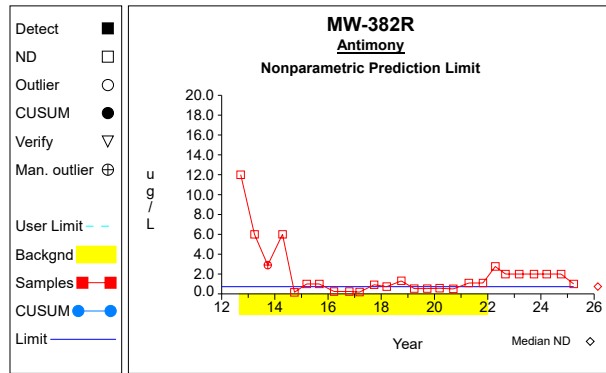


Graph 164

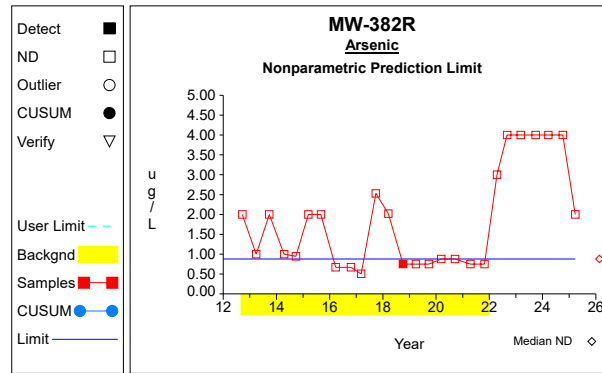


Graph 165

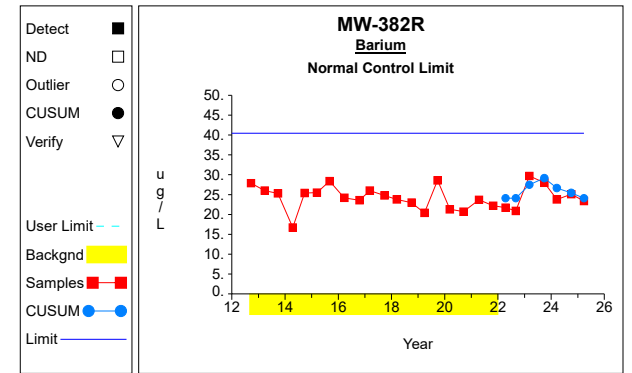
Intra-Well Control Charts / Prediction Limits



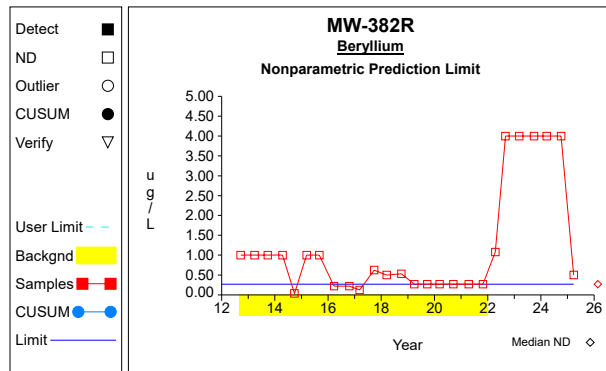
Graph 166



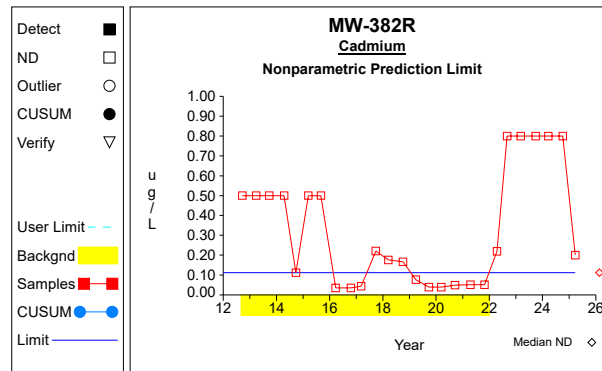
Graph 167



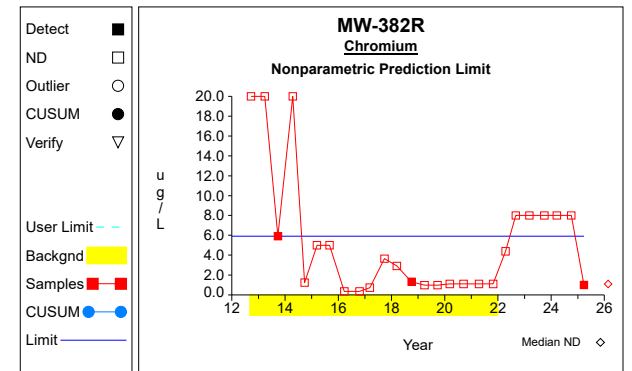
Graph 168



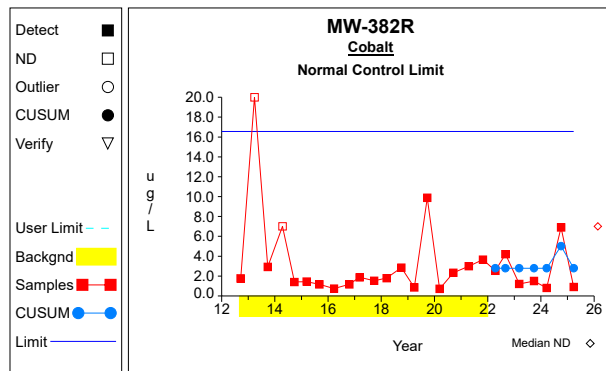
Graph 169



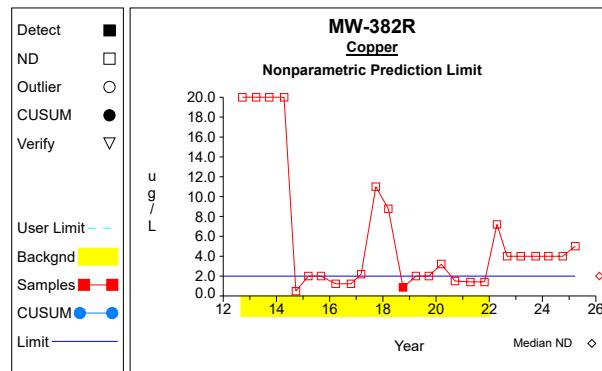
Graph 170



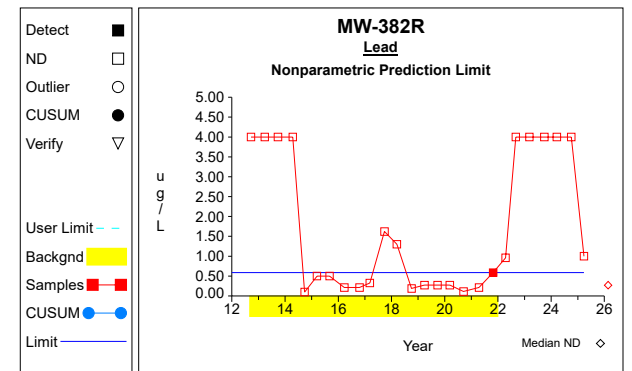
Graph 171



Graph 172

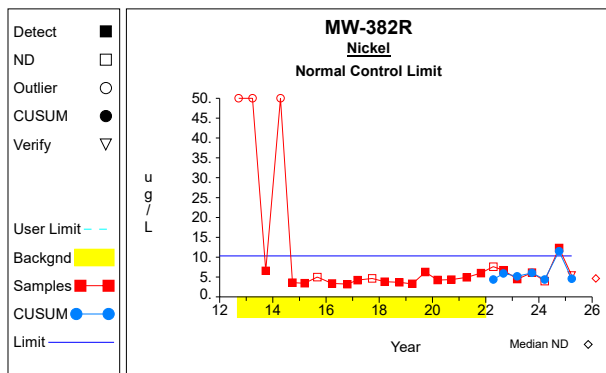


Graph 173

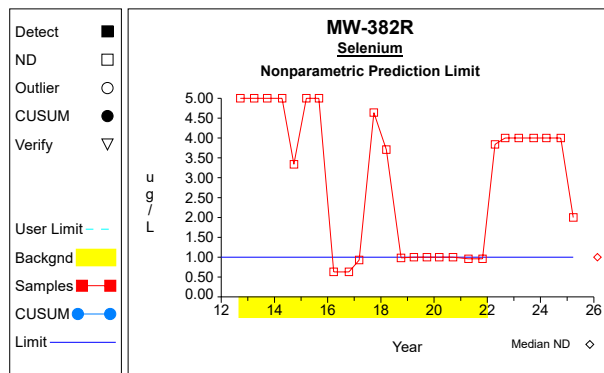


Graph 174

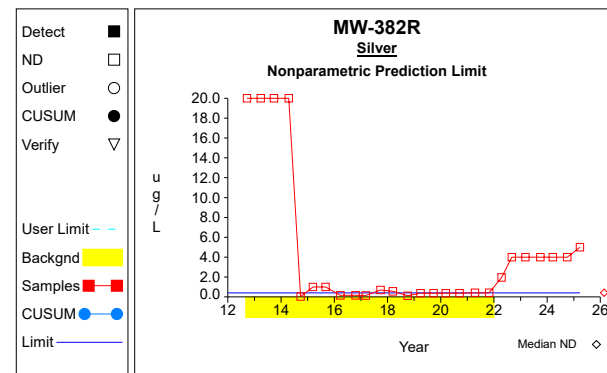
Intra-Well Control Charts / Prediction Limits



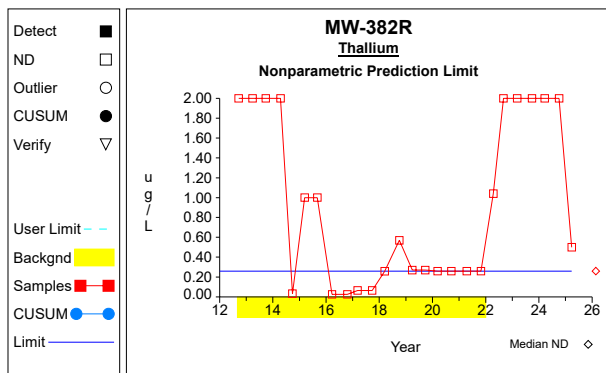
Graph 175



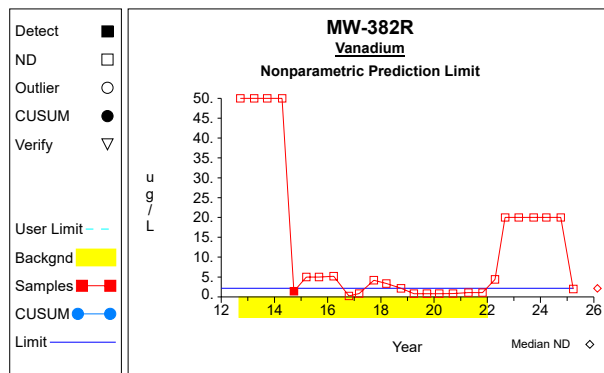
Graph 176



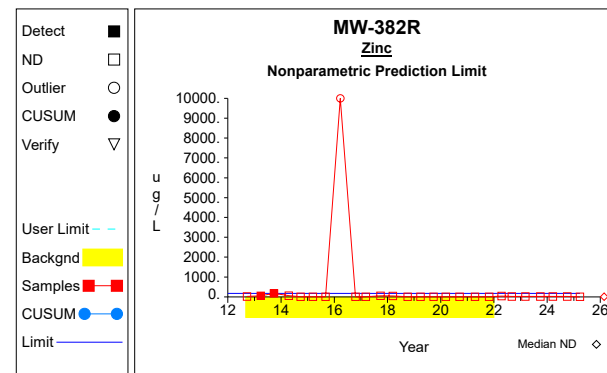
Graph 177



Graph 178

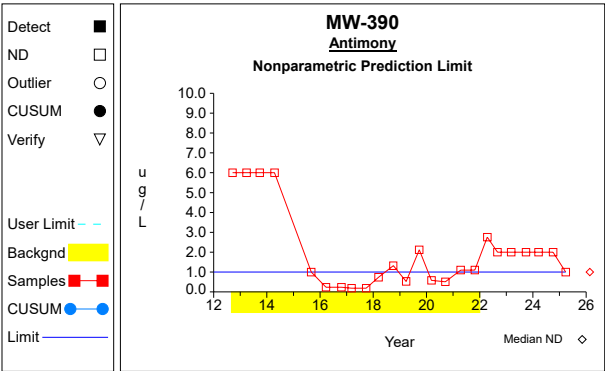


Graph 179

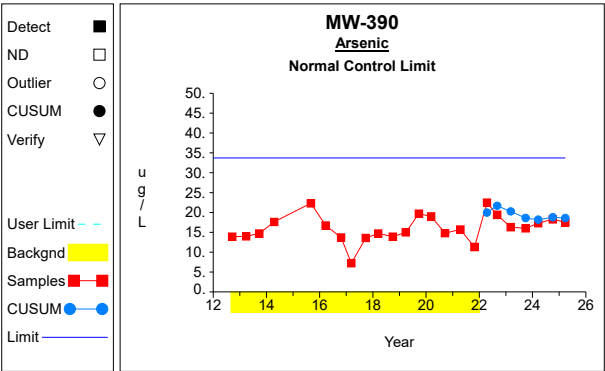


Graph 180

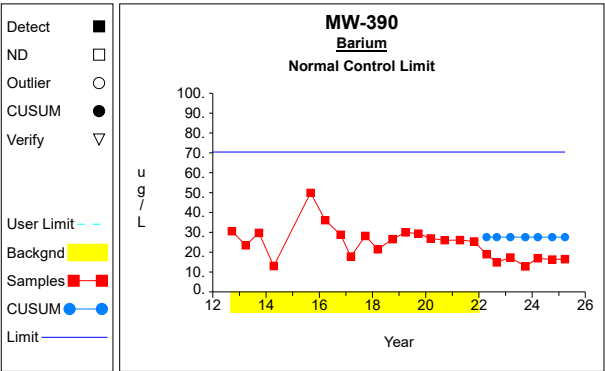
Intra-Well Control Charts / Prediction Limits



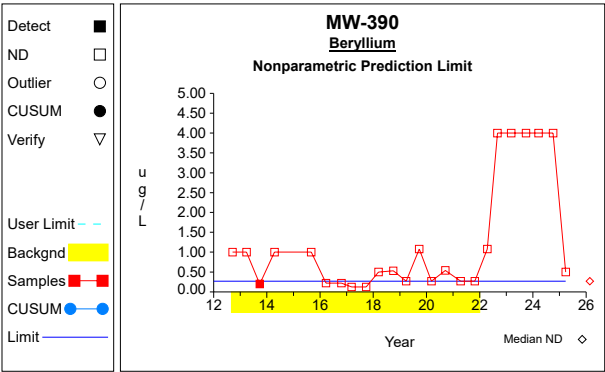
Graph 181



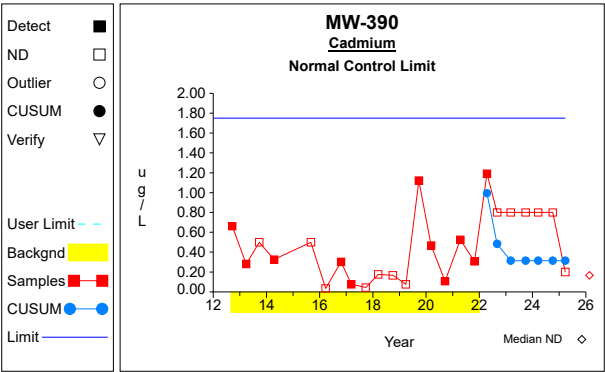
Graph 182



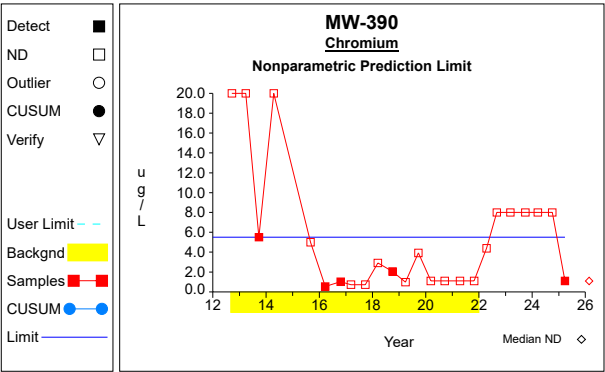
Graph 183



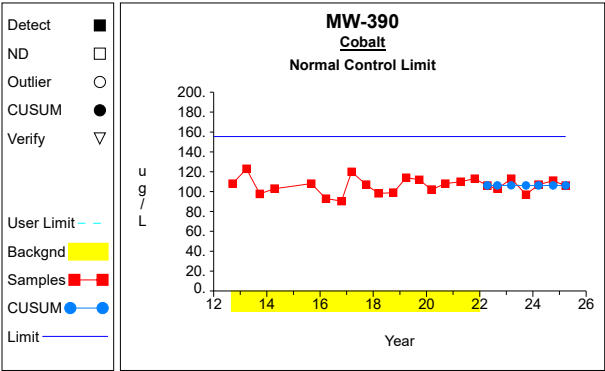
Graph 184



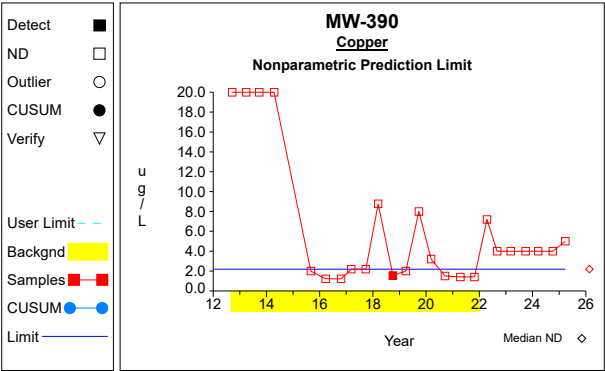
Graph 185



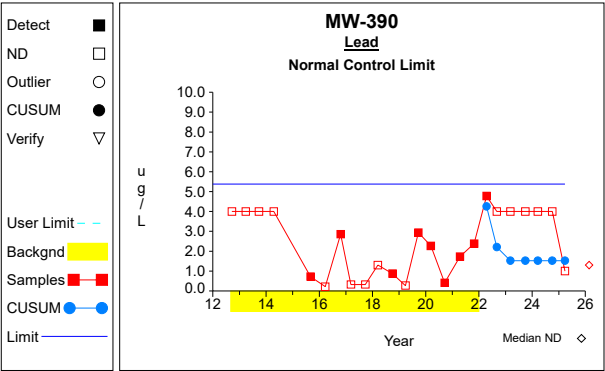
Graph 186



Graph 187

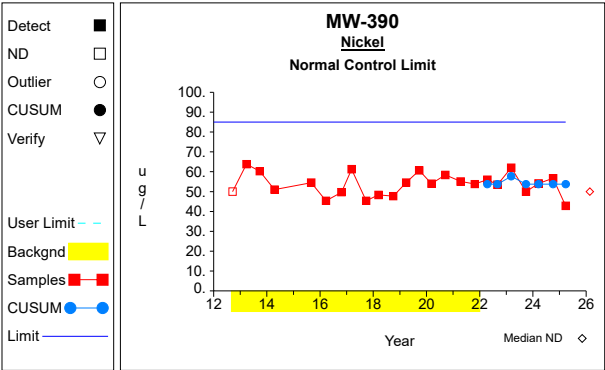


Graph 188

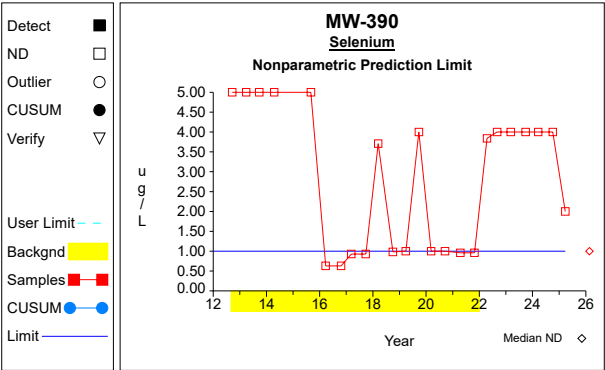


Graph 189

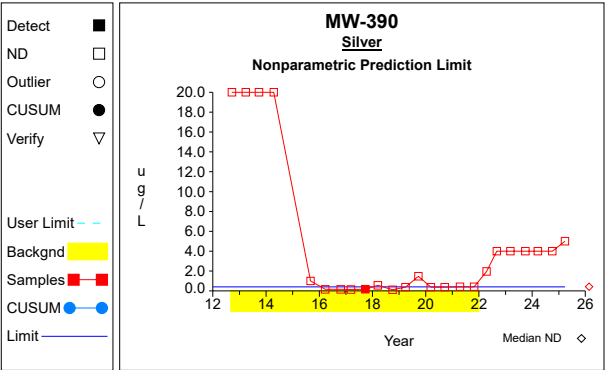
Intra-Well Control Charts / Prediction Limits



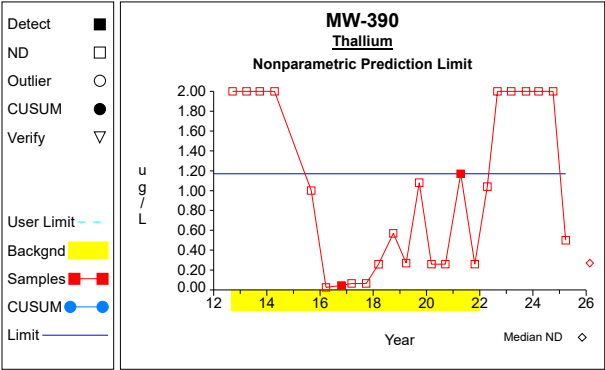
Graph 190



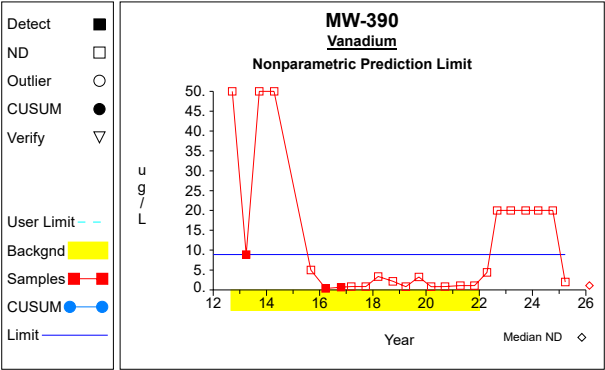
Graph 191



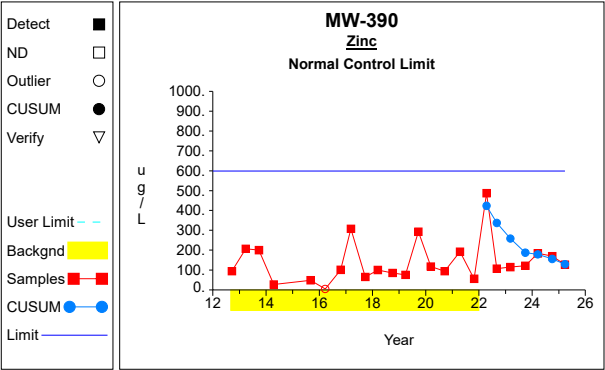
Graph 192



Graph 193

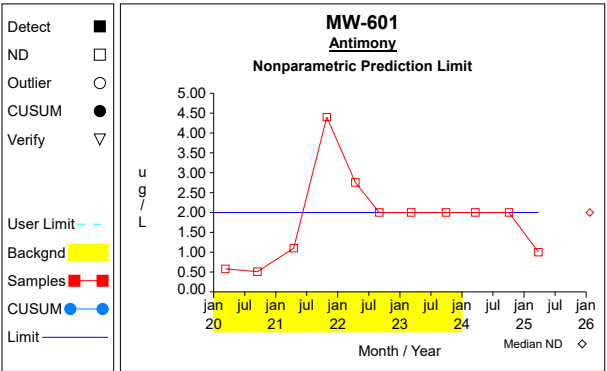


Graph 194

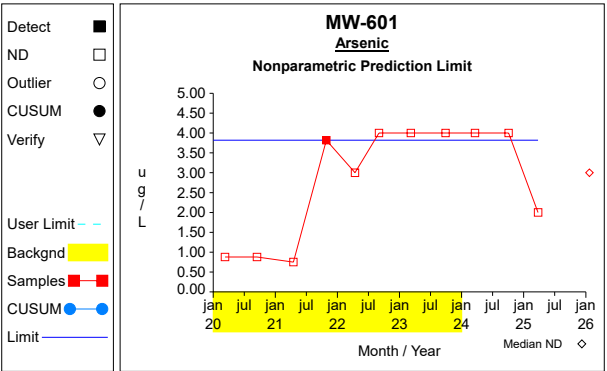


Graph 195

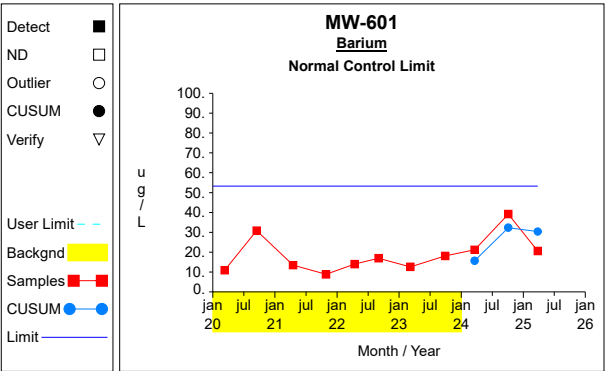
Intra-Well Control Charts / Prediction Limits



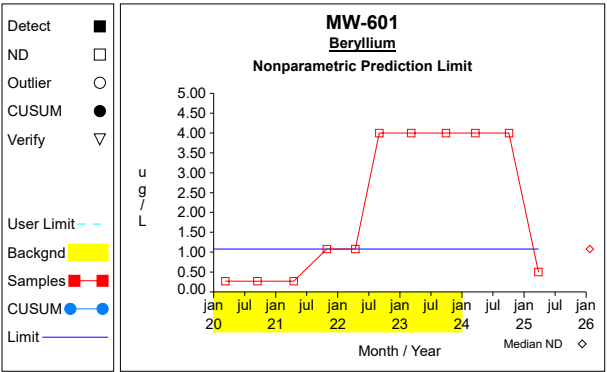
Graph 196



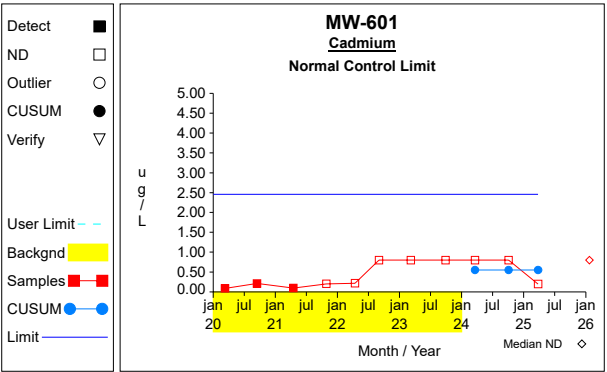
Graph 197



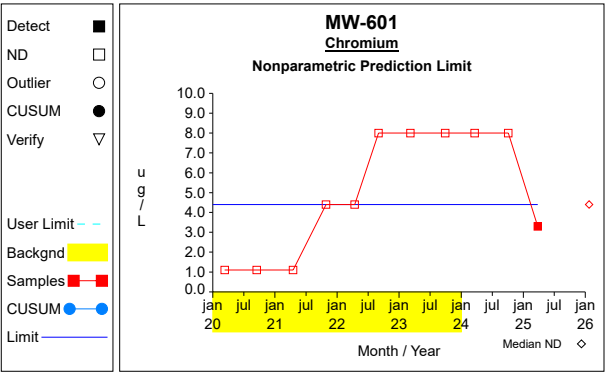
Graph 198



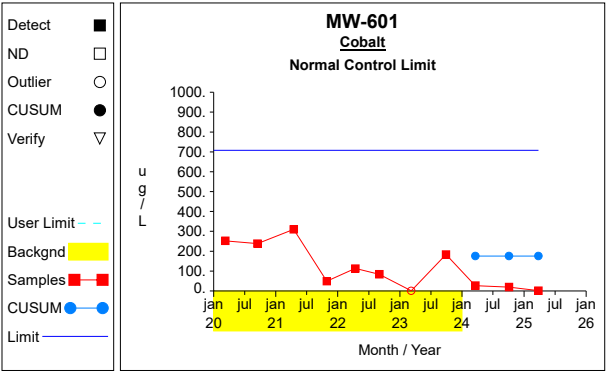
Graph 199



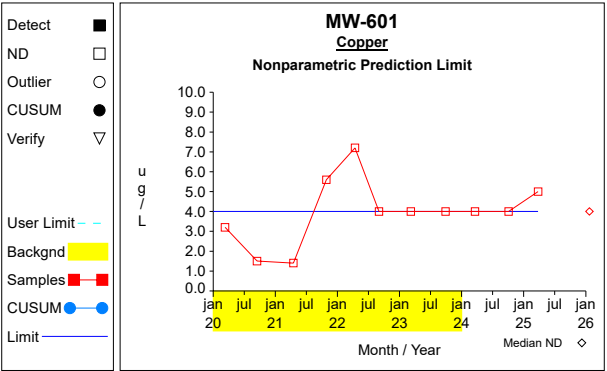
Graph 200



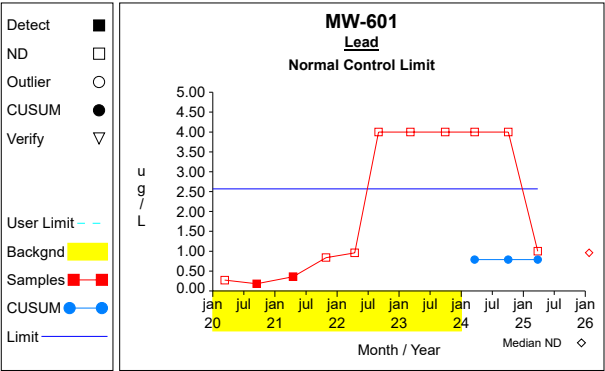
Graph 201



Graph 202

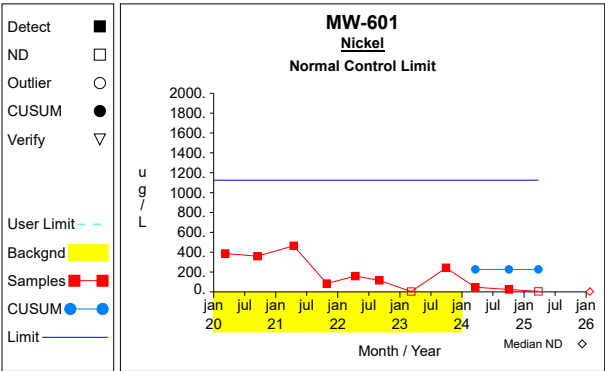


Graph 203

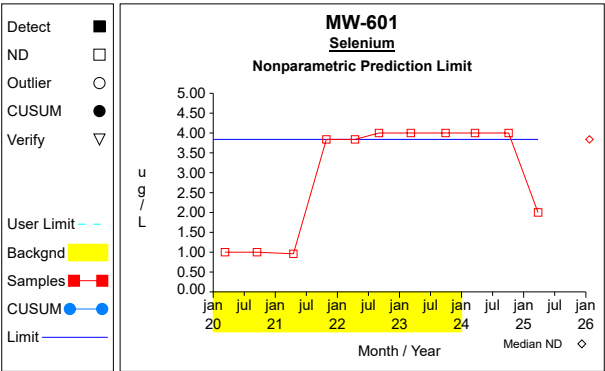


Graph 204

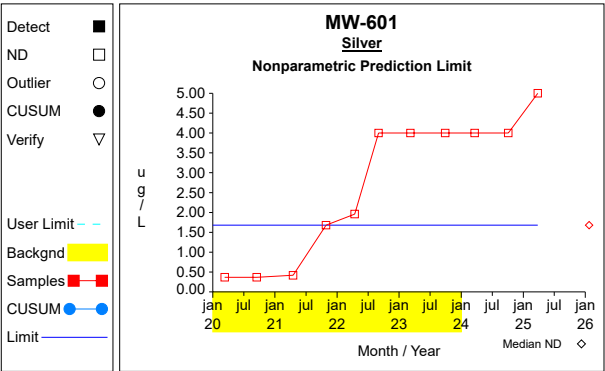
Intra-Well Control Charts / Prediction Limits



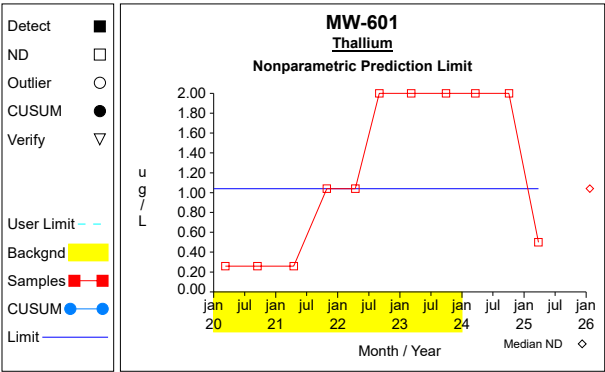
Graph 205



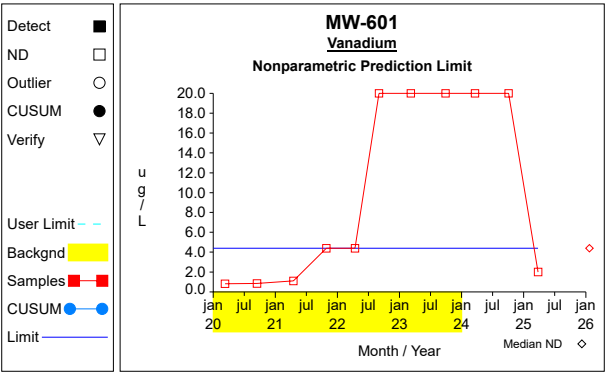
Graph 206



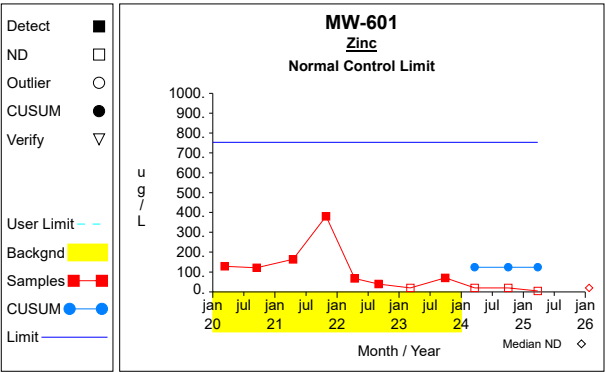
Graph 207



Graph 208

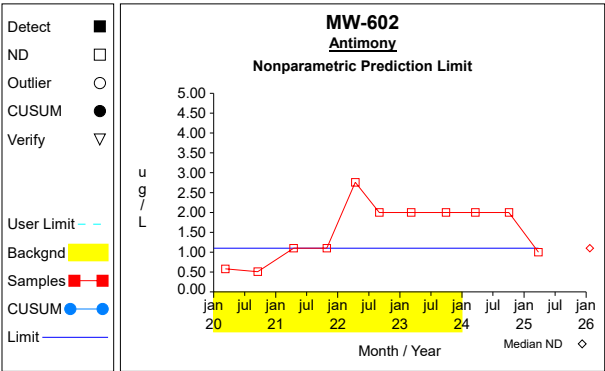


Graph 209

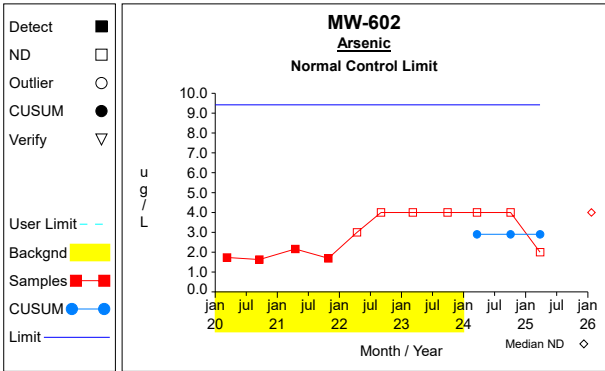


Graph 210

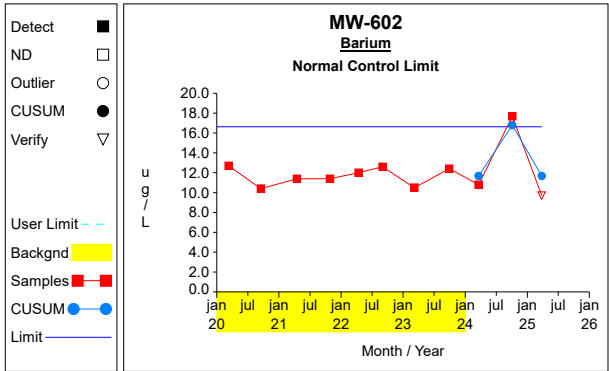
Intra-Well Control Charts / Prediction Limits



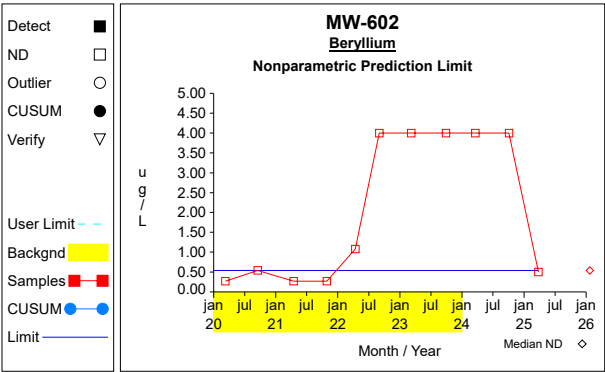
Graph 211



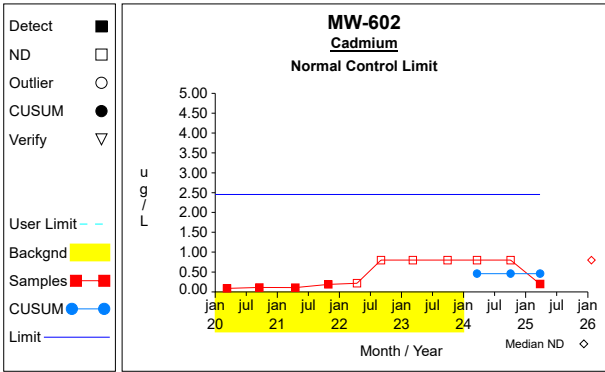
Graph 212



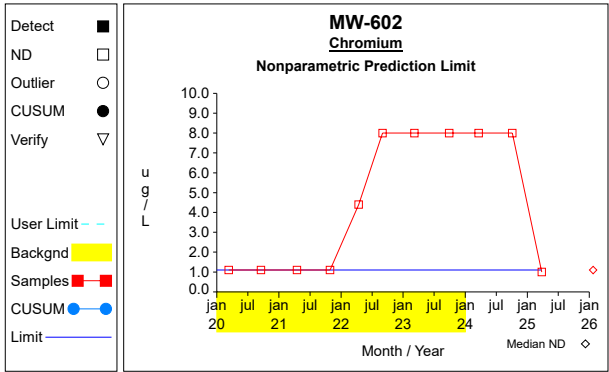
Graph 213



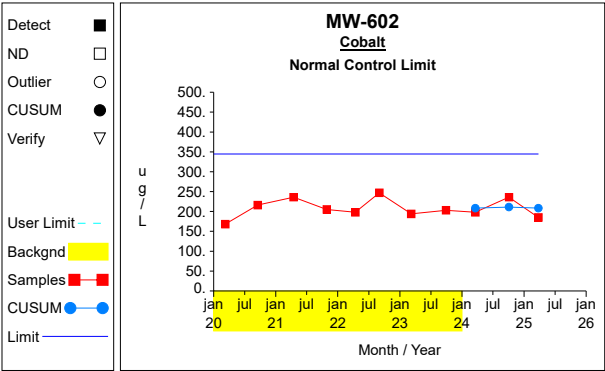
Graph 214



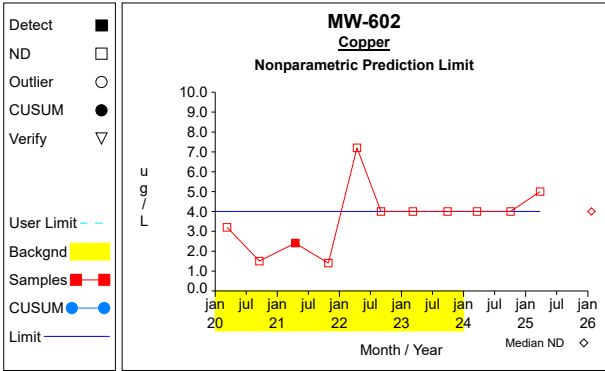
Graph 215



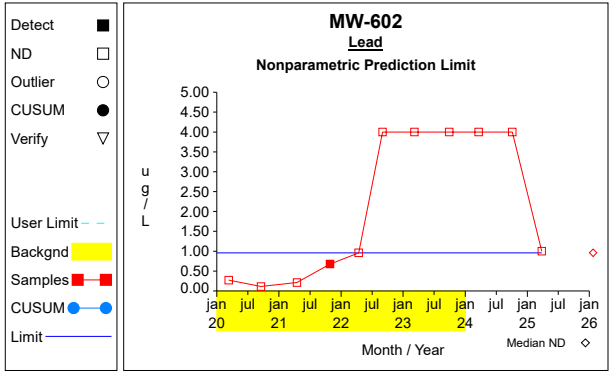
Graph 216



Graph 217

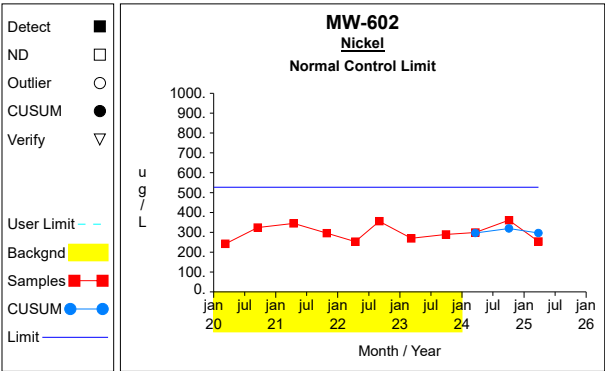


Graph 218

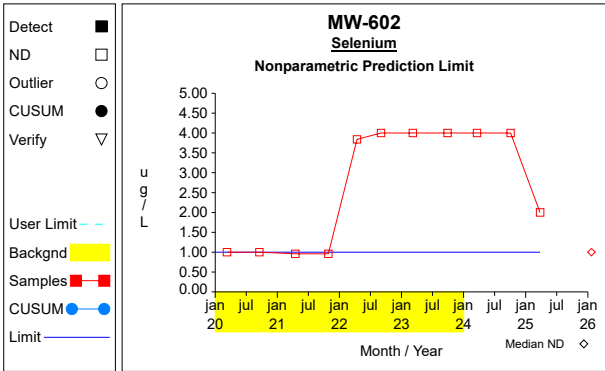


Graph 219

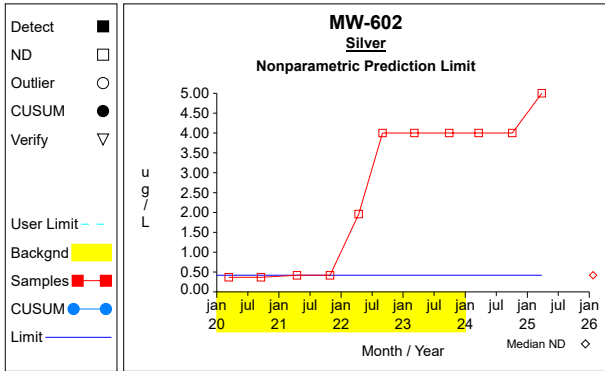
Intra-Well Control Charts / Prediction Limits



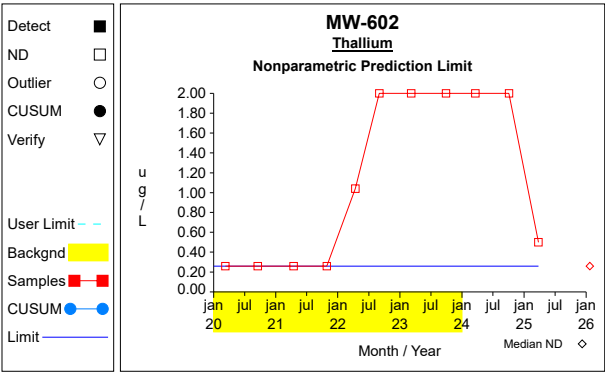
Graph 220



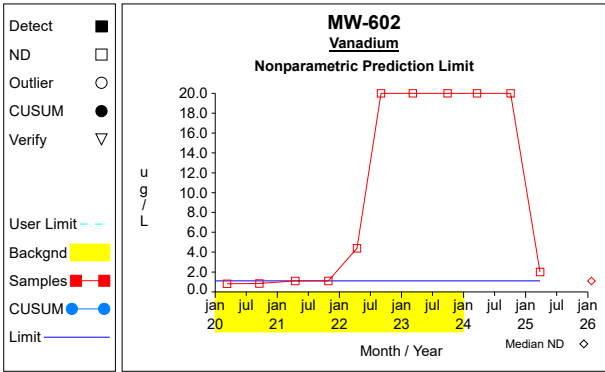
Graph 221



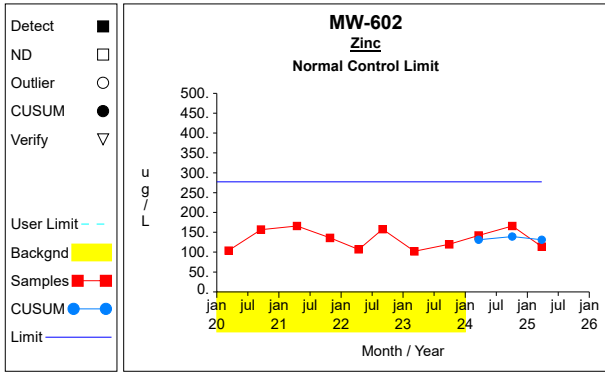
Graph 222



Graph 223

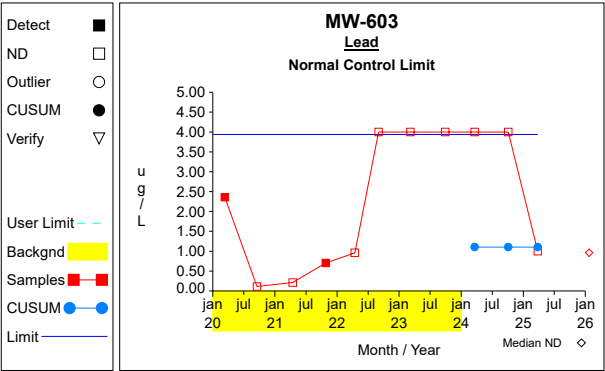
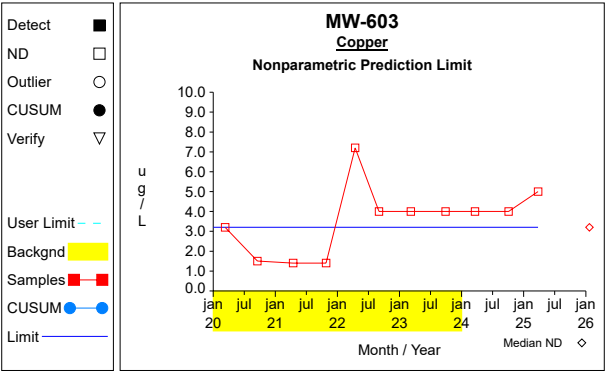
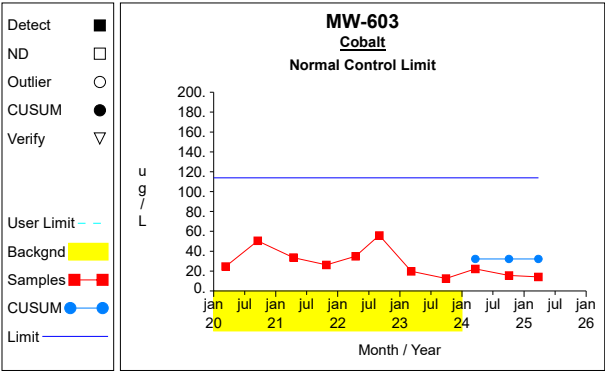
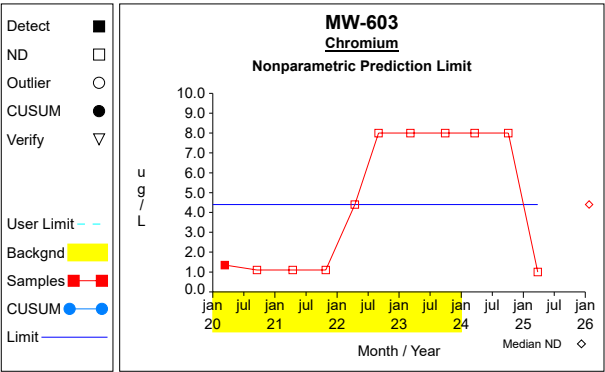
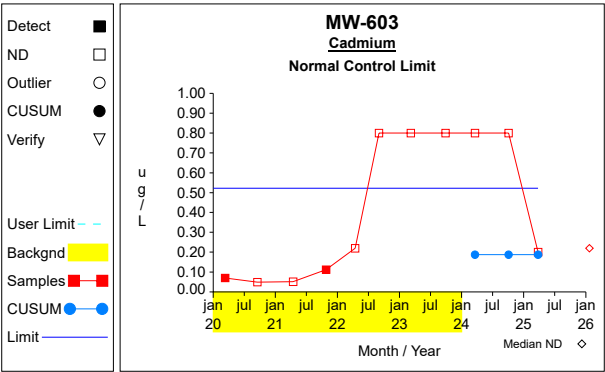
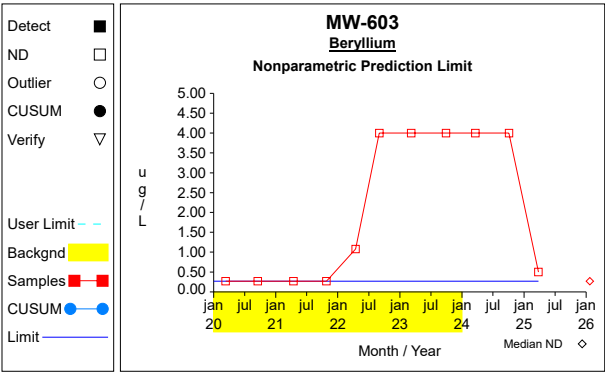
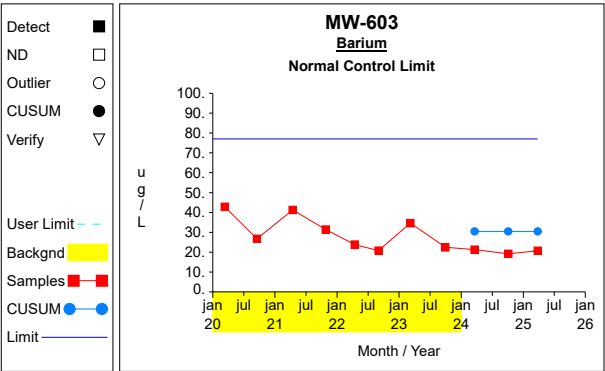
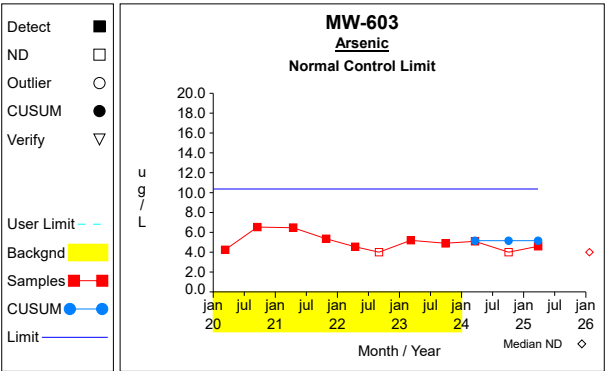
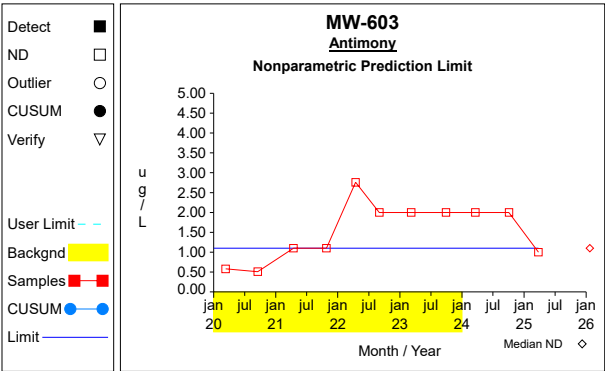


Graph 224

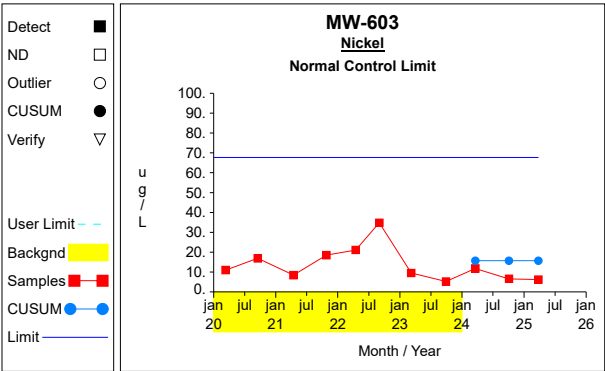


Graph 225

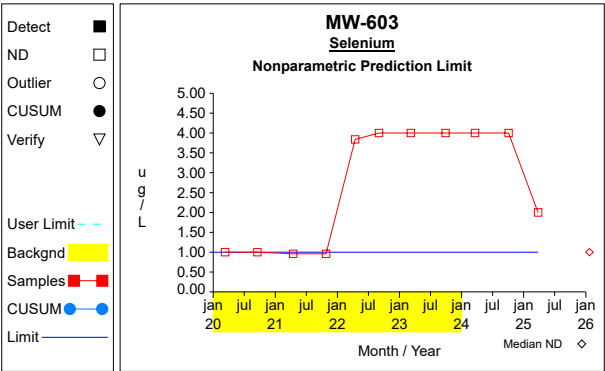
Intra-Well Control Charts / Prediction Limits



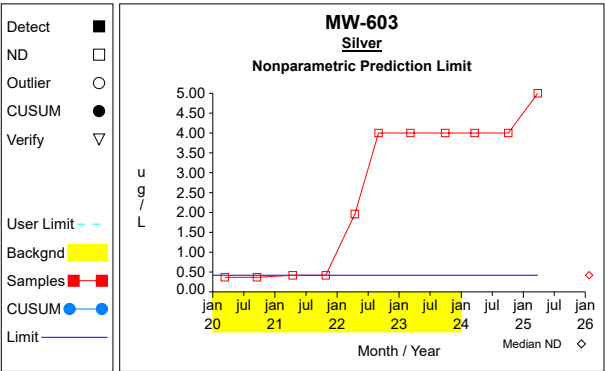
Intra-Well Control Charts / Prediction Limits



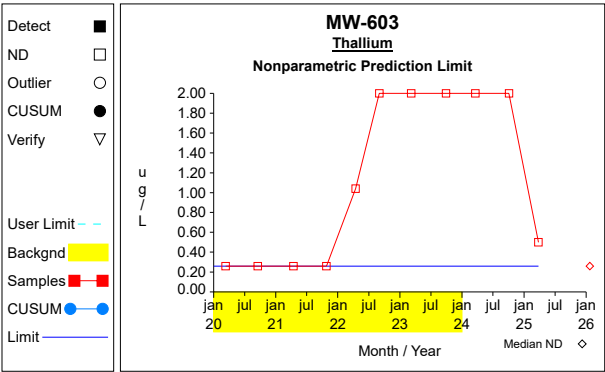
Graph 235



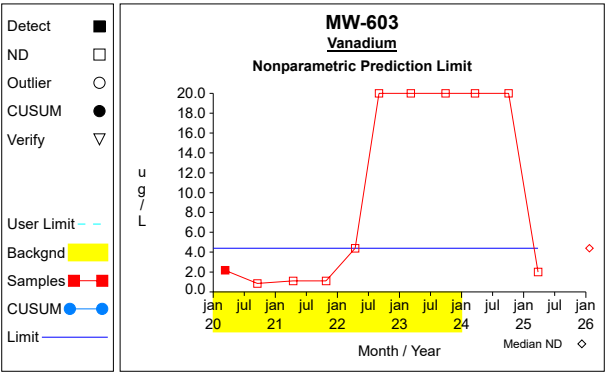
Graph 236



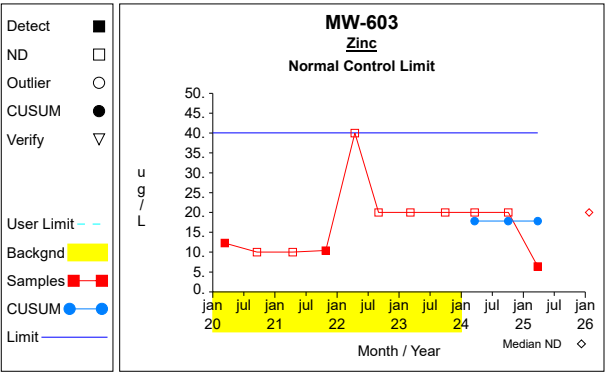
Graph 237



Graph 238

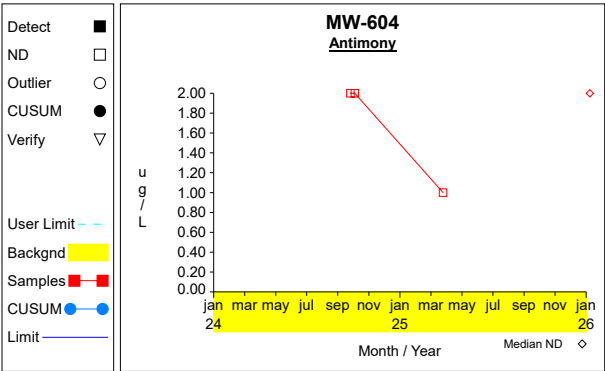


Graph 239

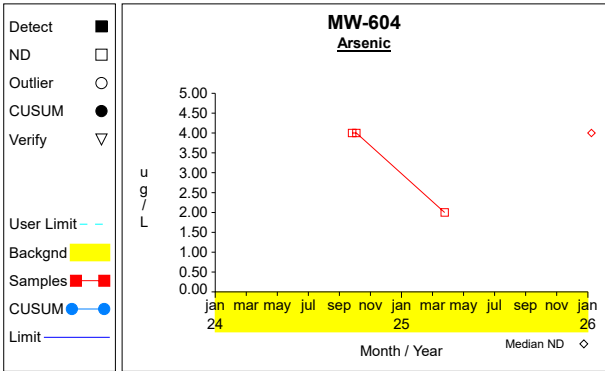


Graph 240

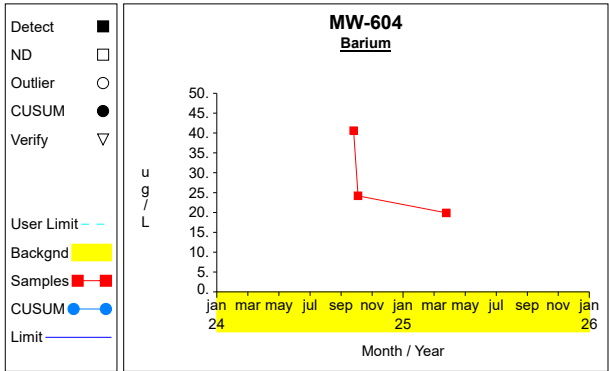
Intra-Well Control Charts / Prediction Limits



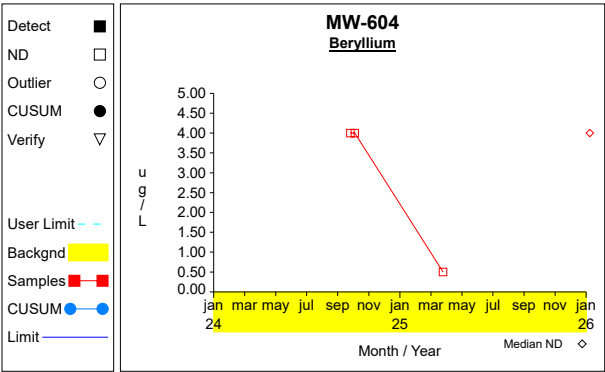
Graph 241



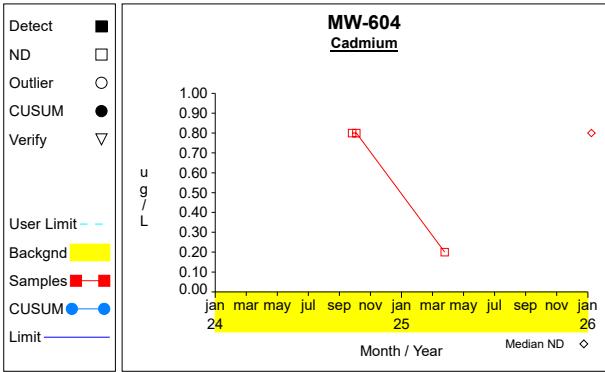
Graph 242



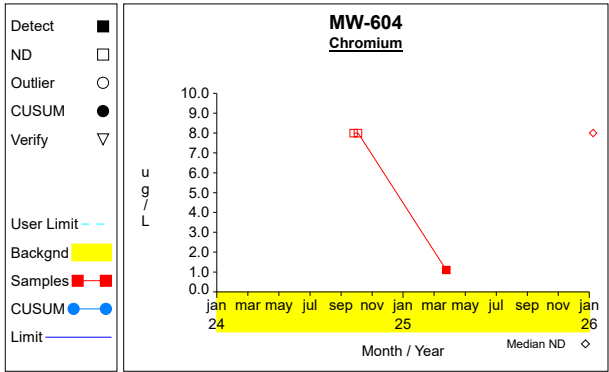
Graph 243



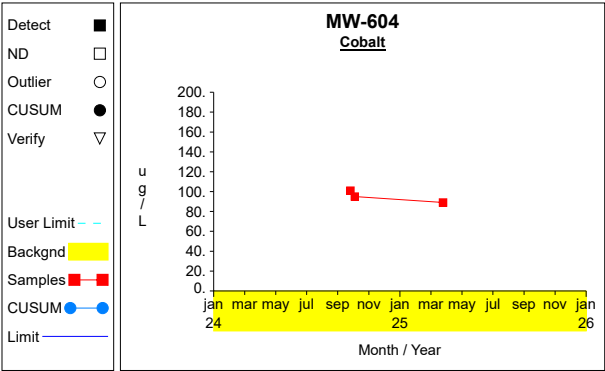
Graph 244



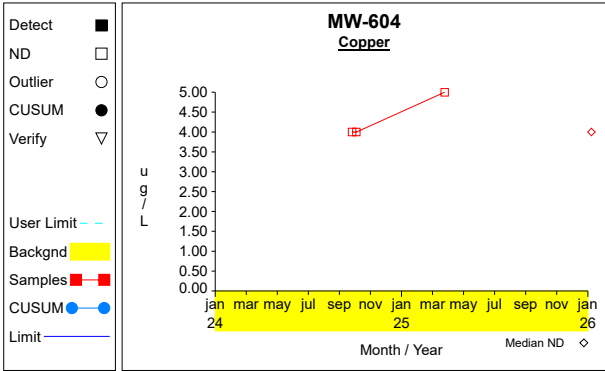
Graph 245



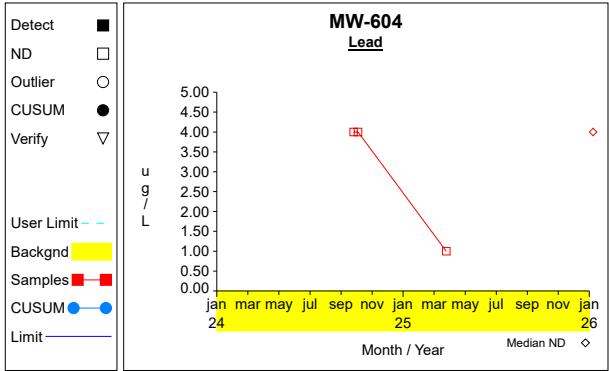
Graph 246



Graph 247

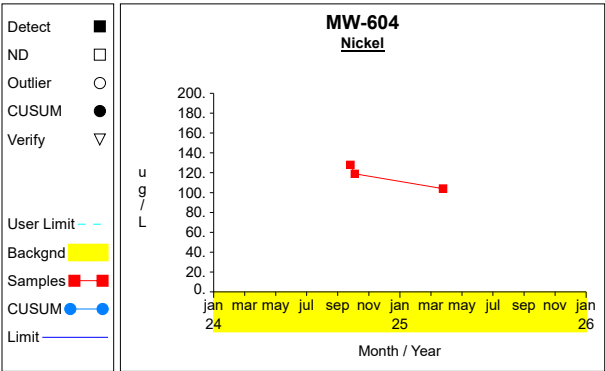


Graph 248

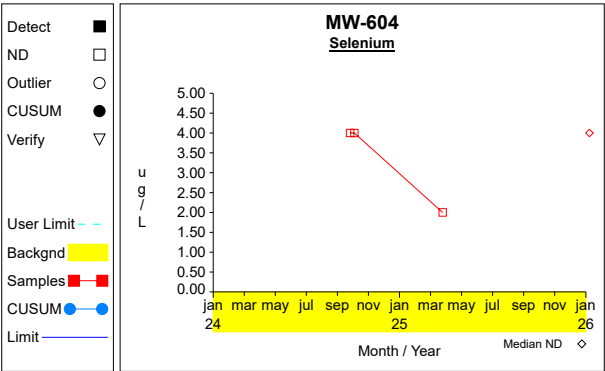


Graph 249

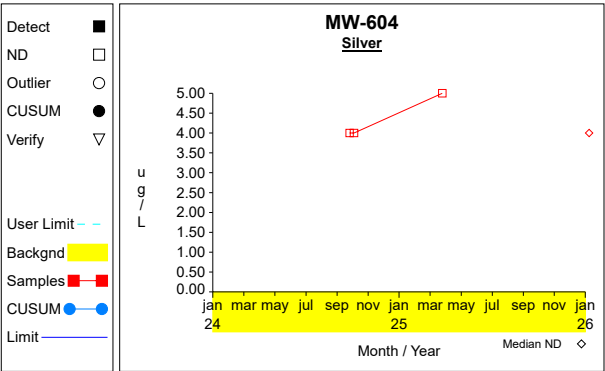
Intra-Well Control Charts / Prediction Limits



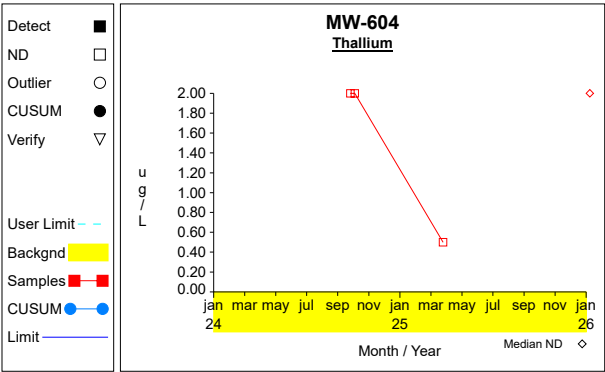
Graph 250



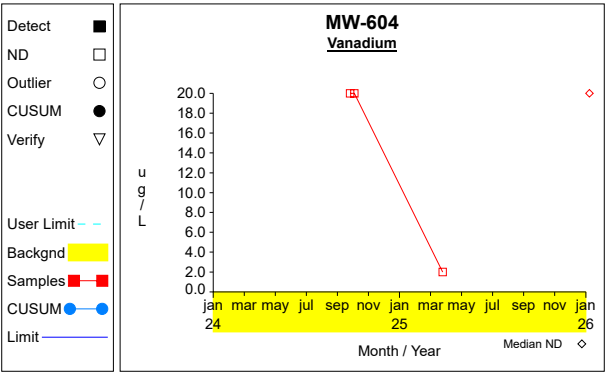
Graph 251



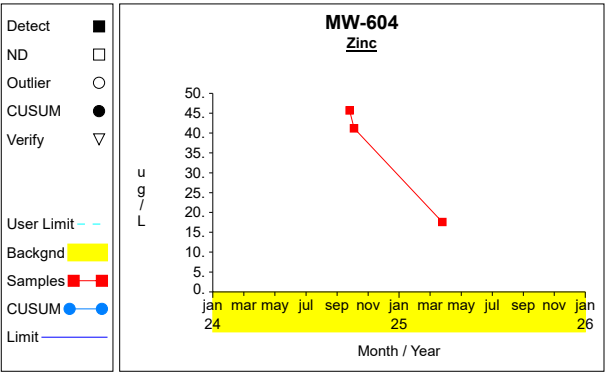
Graph 252



Graph 253

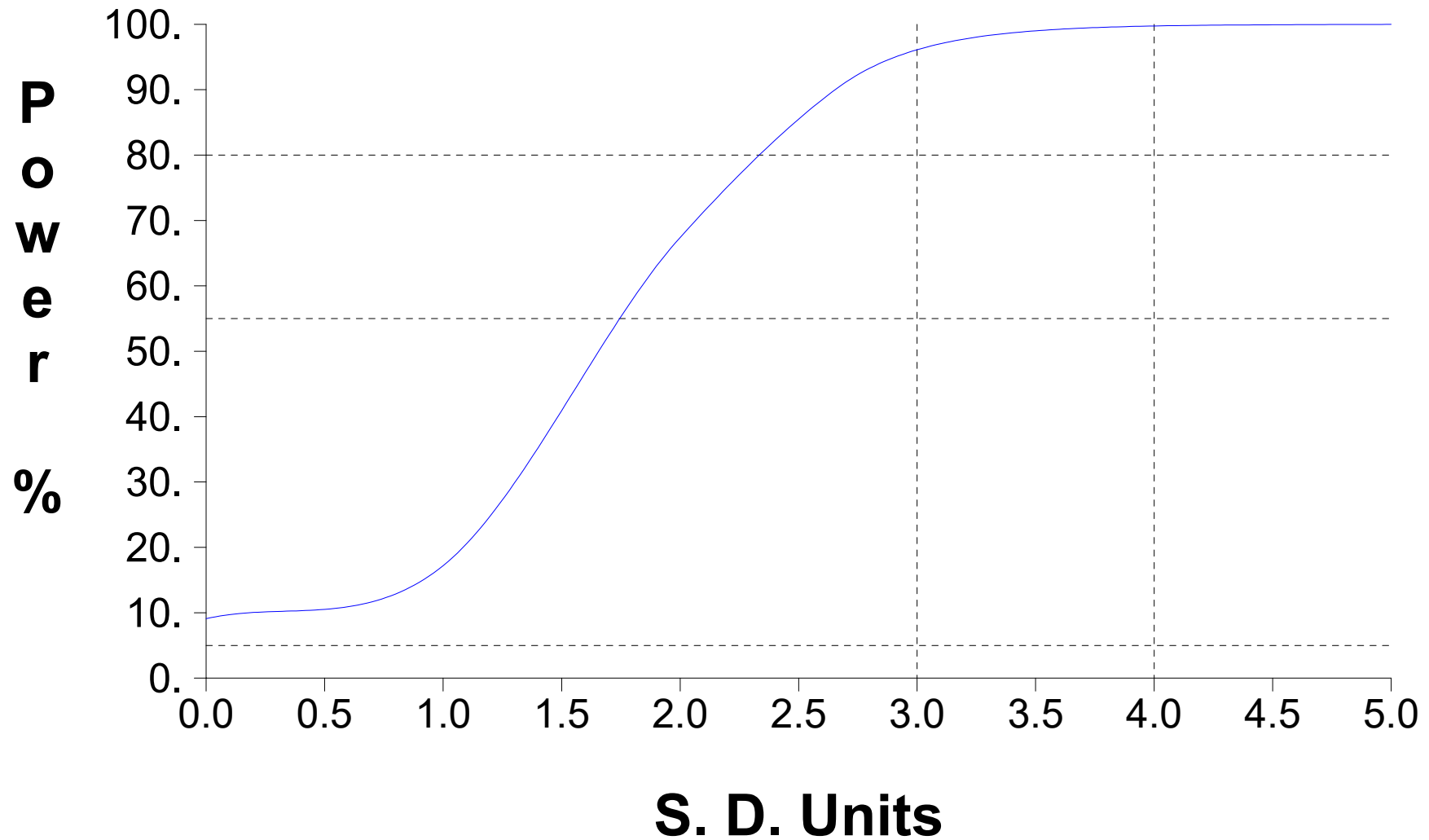


Graph 254



Graph 255

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



Attachment C

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony	ug/L	MW-307	09/18/2012	ND	12.0000	1.1000	**
Antimony	ug/L	MW-307	03/27/2013	ND	6.0000	1.1000	**
Antimony	ug/L	MW-307	09/26/2013	ND	6.0000	1.1000	**
Antimony	ug/L	MW-307	04/15/2014	ND	6.0000	1.1000	**
Antimony	ug/L	MW-307	09/01/2015	ND	1.0000	1.1000	**
Antimony	ug/L	MW-307	03/22/2016	ND	0.2370	1.1000	**
Antimony	ug/L	MW-307	10/21/2016	ND	0.2370	1.1000	**
Antimony	ug/L	MW-307	03/08/2017	ND	0.1850	1.1000	**
Antimony	ug/L	MW-307	09/25/2017	ND	0.1850	1.1000	**
Antimony	ug/L	MW-307	03/13/2018	ND	0.7400	1.1000	**
Antimony	ug/L	MW-307	10/01/2018	ND	1.3200	1.1000	**
Antimony	ug/L	MW-307	03/27/2019	ND	0.5300	1.1000	**
Antimony	ug/L	MW-307	09/23/2019	ND	2.1200	1.1000	**
Antimony	ug/L	MW-307	03/09/2020	ND	0.5800	1.1000	**
Antimony	ug/L	MW-307	09/17/2020	ND	0.5100	1.1000	**
Antimony	ug/L	MW-307	04/16/2021	ND	1.1000		
Antimony	ug/L	MW-307	10/28/2021	ND	1.1000		
Antimony	ug/L	MW-307	04/13/2022	ND	2.7600	1.1000	**
Antimony	ug/L	MW-307	09/01/2022	ND	2.0000	1.1000	**
Antimony	ug/L	MW-307	03/06/2023	ND	2.0000	1.1000	**
Antimony	ug/L	MW-307	09/29/2023		4.4000		
Antimony	ug/L	MW-307	03/19/2024	ND	2.0000	1.1000	**
Antimony	ug/L	MW-307	10/03/2024	ND	2.0000	1.1000	**
Antimony	ug/L	MW-307	03/25/2025	ND	1.0000	1.1000	**
Arsenic	ug/L	MW-307	09/18/2012		2.0100		
Arsenic	ug/L	MW-307	03/27/2013	ND	2.0000		
Arsenic	ug/L	MW-307	09/26/2013		4.6700		
Arsenic	ug/L	MW-307	04/15/2014	ND	1.0000	2.0000	**
Arsenic	ug/L	MW-307	09/01/2015		3.7000		
Arsenic	ug/L	MW-307	03/22/2016		4.3500		
Arsenic	ug/L	MW-307	10/21/2016		3.9600		
Arsenic	ug/L	MW-307	03/08/2017	ND	5.0500	2.0000	**
Arsenic	ug/L	MW-307	09/25/2017		3.8900		
Arsenic	ug/L	MW-307	03/13/2018		3.7200		
Arsenic	ug/L	MW-307	10/01/2018		4.4100		
Arsenic	ug/L	MW-307	03/27/2019		3.6900		
Arsenic	ug/L	MW-307	09/23/2019		3.9100		
Arsenic	ug/L	MW-307	03/09/2020		3.9700		
Arsenic	ug/L	MW-307	09/17/2020		3.9200		
Arsenic	ug/L	MW-307	04/16/2021		4.3400		
Arsenic	ug/L	MW-307	10/28/2021	ND	0.7500		*
Arsenic	ug/L	MW-307	04/13/2022		3.9200		
Arsenic	ug/L	MW-307	09/01/2022	ND	4.0000	2.0000	**
Arsenic	ug/L	MW-307	03/06/2023		4.3000		
Arsenic	ug/L	MW-307	09/29/2023		31.9000		*
Arsenic	ug/L	MW-307	03/19/2024		4.0000		
Arsenic	ug/L	MW-307	10/03/2024		4.5000		
Arsenic	ug/L	MW-307	03/25/2025	ND	2.0000		
Barium	ug/L	MW-307	09/18/2012	ND	10.0000		
Barium	ug/L	MW-307	03/27/2013		10.4000		
Barium	ug/L	MW-307	09/26/2013	ND	30.0000	10.0000	**
Barium	ug/L	MW-307	04/15/2014	ND	10.0000		
Barium	ug/L	MW-307	09/01/2015		9.5900		
Barium	ug/L	MW-307	03/22/2016		8.5100		
Barium	ug/L	MW-307	10/21/2016		8.9200		
Barium	ug/L	MW-307	03/08/2017		8.7100		
Barium	ug/L	MW-307	09/25/2017		8.5700		
Barium	ug/L	MW-307	03/13/2018		9.2700		
Barium	ug/L	MW-307	10/01/2018		7.2400		
Barium	ug/L	MW-307	03/27/2019		7.8600		
Barium	ug/L	MW-307	09/23/2019		7.9700		
Barium	ug/L	MW-307	03/09/2020		8.2600		
Barium	ug/L	MW-307	09/17/2020		7.6700		
Barium	ug/L	MW-307	04/16/2021		9.9100		
Barium	ug/L	MW-307	10/28/2021		17.6000		
Barium	ug/L	MW-307	04/13/2022		8.8200		
Barium	ug/L	MW-307	09/01/2022		8.3000		
Barium	ug/L	MW-307	03/06/2023		8.9000		
Barium	ug/L	MW-307	09/29/2023		21.8000		
Barium	ug/L	MW-307	03/19/2024		9.0000		
Barium	ug/L	MW-307	10/03/2024		12.8000		
Barium	ug/L	MW-307	03/25/2025		9.5000		
Beryllium	ug/L	MW-307	09/18/2012	ND	1.0000		
Beryllium	ug/L	MW-307	03/27/2013		0.6240		

* - 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	ug/L	MW-307	09/26/2013		0.5800		
Beryllium	ug/L	MW-307	04/15/2014		0.2650		
Beryllium	ug/L	MW-307	09/01/2015	ND	1.0000		
Beryllium	ug/L	MW-307	03/22/2016		0.5390		
Beryllium	ug/L	MW-307	10/21/2016		0.4770		
Beryllium	ug/L	MW-307	03/08/2017		0.4550		
Beryllium	ug/L	MW-307	09/25/2017		0.4270		
Beryllium	ug/L	MW-307	03/13/2018	ND	0.5000	1.0000	**
Beryllium	ug/L	MW-307	10/01/2018	ND	0.5300	1.0000	**
Beryllium	ug/L	MW-307	03/27/2019		0.3750		
Beryllium	ug/L	MW-307	09/23/2019	ND	1.0800	1.0000	**
Beryllium	ug/L	MW-307	03/09/2020		0.3300		
Beryllium	ug/L	MW-307	09/17/2020	ND	1.0800	1.0000	**
Beryllium	ug/L	MW-307	04/16/2021		0.5770		
Beryllium	ug/L	MW-307	10/28/2021	ND	0.2700	1.0000	**
Beryllium	ug/L	MW-307	04/13/2022	ND	1.0800	1.0000	**
Beryllium	ug/L	MW-307	09/01/2022	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-307	03/06/2023	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-307	09/29/2023	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-307	03/19/2024	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-307	10/03/2024	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-307	03/25/2025	ND	0.5000	1.0000	**
Cadmium	ug/L	MW-307	09/18/2012	ND	0.5000		
Cadmium	ug/L	MW-307	03/27/2013	ND	0.5000		
Cadmium	ug/L	MW-307	09/26/2013	ND	0.5000		
Cadmium	ug/L	MW-307	04/15/2014		0.1470		
Cadmium	ug/L	MW-307	09/01/2015	ND	0.5000		
Cadmium	ug/L	MW-307	03/22/2016		0.1620		
Cadmium	ug/L	MW-307	10/21/2016		0.1150		
Cadmium	ug/L	MW-307	03/08/2017		0.1060		
Cadmium	ug/L	MW-307	09/25/2017		0.0750		
Cadmium	ug/L	MW-307	03/13/2018	ND	0.1760	0.5000	**
Cadmium	ug/L	MW-307	10/01/2018		0.8170		
Cadmium	ug/L	MW-307	03/27/2019		0.0910		
Cadmium	ug/L	MW-307	09/23/2019	ND	0.1560	0.5000	**
Cadmium	ug/L	MW-307	03/09/2020		0.1280		
Cadmium	ug/L	MW-307	09/17/2020		0.0860		
Cadmium	ug/L	MW-307	04/16/2021		0.1160		
Cadmium	ug/L	MW-307	10/28/2021		0.0840		
Cadmium	ug/L	MW-307	04/13/2022	ND	0.2200	0.5000	**
Cadmium	ug/L	MW-307	09/01/2022	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-307	03/06/2023	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-307	09/29/2023	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-307	03/19/2024	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-307	10/03/2024	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-307	03/25/2025		0.2000		
Chromium	ug/L	MW-307	09/18/2012	ND	20.0000	4.4000	**
Chromium	ug/L	MW-307	03/27/2013	ND	20.0000	4.4000	**
Chromium	ug/L	MW-307	09/26/2013	ND	60.0000	4.4000	**
Chromium	ug/L	MW-307	04/15/2014	ND	20.0000	4.4000	**
Chromium	ug/L	MW-307	09/01/2015	ND	5.0000	4.4000	**
Chromium	ug/L	MW-307	03/22/2016	ND	0.3550	4.4000	**
Chromium	ug/L	MW-307	10/21/2016	ND	0.3550	4.4000	**
Chromium	ug/L	MW-307	03/08/2017	ND	7.2900	4.4000	**
Chromium	ug/L	MW-307	09/25/2017	ND	0.7290	4.4000	**
Chromium	ug/L	MW-307	03/13/2018	ND	2.9200	4.4000	**
Chromium	ug/L	MW-307	10/01/2018		1.6000		
Chromium	ug/L	MW-307	03/27/2019	ND	0.9800	4.4000	**
Chromium	ug/L	MW-307	09/23/2019	ND	3.9200	4.4000	**
Chromium	ug/L	MW-307	03/09/2020	ND	1.1000	4.4000	**
Chromium	ug/L	MW-307	09/17/2020	ND	1.1000	4.4000	**
Chromium	ug/L	MW-307	04/16/2021	ND	1.1000	4.4000	**
Chromium	ug/L	MW-307	10/28/2021	ND	1.1000	4.4000	**
Chromium	ug/L	MW-307	04/13/2022	ND	4.4000		
Chromium	ug/L	MW-307	09/01/2022	ND	8.0000	4.4000	**
Chromium	ug/L	MW-307	03/06/2023	ND	8.0000	4.4000	**
Chromium	ug/L	MW-307	09/29/2023	ND	8.0000	4.4000	**
Chromium	ug/L	MW-307	03/19/2024	ND	8.0000	4.4000	**
Chromium	ug/L	MW-307	10/03/2024	ND	8.0000	4.4000	**
Chromium	ug/L	MW-307	03/25/2025	ND	1.0000	4.4000	**
Cobalt	ug/L	MW-307	09/18/2012		60.1000		
Cobalt	ug/L	MW-307	03/27/2013		83.8000		
Cobalt	ug/L	MW-307	09/26/2013		44.3000		
Cobalt	ug/L	MW-307	04/15/2014		59.8000		

* - 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	ug/L	MW-307	09/01/2015		41.9000		
Cobalt	ug/L	MW-307	03/22/2016		50.9000		
Cobalt	ug/L	MW-307	10/21/2016		59.1000		
Cobalt	ug/L	MW-307	03/08/2017		68.4000		
Cobalt	ug/L	MW-307	09/25/2017		58.0000		
Cobalt	ug/L	MW-307	03/13/2018		65.1000		
Cobalt	ug/L	MW-307	10/01/2018		52.4000		
Cobalt	ug/L	MW-307	03/27/2019		35.6000		
Cobalt	ug/L	MW-307	09/23/2019		44.9000		
Cobalt	ug/L	MW-307	03/09/2020		42.0000		
Cobalt	ug/L	MW-307	09/17/2020		45.8000		
Cobalt	ug/L	MW-307	04/16/2021		59.1000		
Cobalt	ug/L	MW-307	10/28/2021		14.8000		*
Cobalt	ug/L	MW-307	04/13/2022		53.5000		
Cobalt	ug/L	MW-307	09/01/2022		39.9000		
Cobalt	ug/L	MW-307	03/06/2023		48.5000		
Cobalt	ug/L	MW-307	09/29/2023		36.6000		
Cobalt	ug/L	MW-307	03/19/2024		42.8000		
Cobalt	ug/L	MW-307	10/03/2024		39.7000		
Cobalt	ug/L	MW-307	03/25/2025		37.4000		
Copper	ug/L	MW-307	09/18/2012	ND	20.0000	4.0000	**
Copper	ug/L	MW-307	03/27/2013	ND	20.0000	4.0000	**
Copper	ug/L	MW-307	09/26/2013	ND	60.0000	4.0000	**
Copper	ug/L	MW-307	04/15/2014	ND	20.0000	4.0000	**
Copper	ug/L	MW-307	09/01/2015	ND	2.0000	4.0000	**
Copper	ug/L	MW-307	03/22/2016	ND	1.2200	4.0000	**
Copper	ug/L	MW-307	10/21/2016	ND	1.2200	4.0000	**
Copper	ug/L	MW-307	03/08/2017	ND	2.1900	4.0000	**
Copper	ug/L	MW-307	09/25/2017	ND	2.1900	4.0000	**
Copper	ug/L	MW-307	03/13/2018	ND	8.7600	4.0000	**
Copper	ug/L	MW-307	10/01/2018		1.2400		
Copper	ug/L	MW-307	03/27/2019	ND	2.0000	4.0000	**
Copper	ug/L	MW-307	09/23/2019	ND	8.0000	4.0000	**
Copper	ug/L	MW-307	03/09/2020	ND	3.2000	4.0000	**
Copper	ug/L	MW-307	09/17/2020	ND	1.5000	4.0000	**
Copper	ug/L	MW-307	04/16/2021	ND	1.4000	4.0000	**
Copper	ug/L	MW-307	10/28/2021		1.5400		
Copper	ug/L	MW-307	04/13/2022	ND	7.2000	4.0000	**
Copper	ug/L	MW-307	09/01/2022	ND	4.0000		
Copper	ug/L	MW-307	03/06/2023	ND	4.0000		
Copper	ug/L	MW-307	09/29/2023		4.2000		
Copper	ug/L	MW-307	03/19/2024	ND	4.0000		
Copper	ug/L	MW-307	10/03/2024	ND	4.0000		
Copper	ug/L	MW-307	03/25/2025	ND	5.0000	4.0000	**
Lead	ug/L	MW-307	09/18/2012	ND	4.0000	1.3000	**
Lead	ug/L	MW-307	03/27/2013	ND	4.0000	1.3000	**
Lead	ug/L	MW-307	09/26/2013	ND	4.0000	1.3000	**
Lead	ug/L	MW-307	04/15/2014	ND	4.0000	1.3000	**
Lead	ug/L	MW-307	09/01/2015	ND	0.5000	1.3000	**
Lead	ug/L	MW-307	03/22/2016	ND	0.2110	1.3000	**
Lead	ug/L	MW-307	10/21/2016	ND	0.2110	1.3000	**
Lead	ug/L	MW-307	03/08/2017	ND	0.3240	1.3000	**
Lead	ug/L	MW-307	09/25/2017	ND	0.3240	1.3000	**
Lead	ug/L	MW-307	03/13/2018	ND	1.3000		
Lead	ug/L	MW-307	10/01/2018	ND	0.1860	1.3000	**
Lead	ug/L	MW-307	03/27/2019	ND	0.2700	1.3000	**
Lead	ug/L	MW-307	09/23/2019	ND	1.0800	1.3000	**
Lead	ug/L	MW-307	03/09/2020	ND	0.2700	1.3000	**
Lead	ug/L	MW-307	09/17/2020	ND	0.1100	1.3000	**
Lead	ug/L	MW-307	04/16/2021	ND	0.2100	1.3000	**
Lead	ug/L	MW-307	10/28/2021		0.7700		
Lead	ug/L	MW-307	04/13/2022	ND	0.9600	1.3000	**
Lead	ug/L	MW-307	09/01/2022	ND	4.0000	1.3000	**
Lead	ug/L	MW-307	03/06/2023	ND	4.0000	1.3000	**
Lead	ug/L	MW-307	09/29/2023	ND	4.0000	1.3000	**
Lead	ug/L	MW-307	03/19/2024	ND	4.0000	1.3000	**
Lead	ug/L	MW-307	10/03/2024	ND	4.0000	1.3000	**
Lead	ug/L	MW-307	03/25/2025	ND	1.0000	1.3000	**
Nickel	ug/L	MW-307	09/18/2012		115.0000		
Nickel	ug/L	MW-307	03/27/2013		122.0000		
Nickel	ug/L	MW-307	09/26/2013		79.6000		
Nickel	ug/L	MW-307	04/15/2014		101.0000		
Nickel	ug/L	MW-307	09/01/2015		70.9000		
Nickel	ug/L	MW-307	03/22/2016		84.3000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel	ug/L	MW-307	10/21/2016		69.8000		
Nickel	ug/L	MW-307	03/08/2017		112.0000		
Nickel	ug/L	MW-307	09/25/2017		62.0000		
Nickel	ug/L	MW-307	03/13/2018		98.9000		
Nickel	ug/L	MW-307	10/01/2018		92.9000		
Nickel	ug/L	MW-307	03/27/2019		79.1000		
Nickel	ug/L	MW-307	09/23/2019		75.9000		
Nickel	ug/L	MW-307	03/09/2020		71.1000		
Nickel	ug/L	MW-307	09/17/2020		76.9000		
Nickel	ug/L	MW-307	04/16/2021		104.0000		
Nickel	ug/L	MW-307	10/28/2021		31.5000		
Nickel	ug/L	MW-307	04/13/2022		88.8000		
Nickel	ug/L	MW-307	09/01/2022		70.0000		
Nickel	ug/L	MW-307	03/06/2023		83.7000		
Nickel	ug/L	MW-307	09/29/2023		68.1000		
Nickel	ug/L	MW-307	03/19/2024		74.2000		
Nickel	ug/L	MW-307	10/03/2024		69.8000		
Nickel	ug/L	MW-307	03/25/2025		53.4000		
Selenium	ug/L	MW-307	09/18/2012	ND	5.0000	3.8400	**
Selenium	ug/L	MW-307	03/27/2013	ND	5.0000	3.8400	**
Selenium	ug/L	MW-307	09/26/2013	ND	5.0000	3.8400	**
Selenium	ug/L	MW-307	04/15/2014	ND	5.0000	3.8400	**
Selenium	ug/L	MW-307	09/01/2015	ND	5.0000	3.8400	**
Selenium	ug/L	MW-307	03/22/2016		0.6430		
Selenium	ug/L	MW-307	10/21/2016		1.4800		
Selenium	ug/L	MW-307	03/08/2017		2.3100		
Selenium	ug/L	MW-307	09/25/2017		1.0600		
Selenium	ug/L	MW-307	03/13/2018	ND	3.7100	3.8400	**
Selenium	ug/L	MW-307	10/01/2018		1.0400		
Selenium	ug/L	MW-307	03/27/2019		1.2300		
Selenium	ug/L	MW-307	09/23/2019	ND	4.0000	3.8400	**
Selenium	ug/L	MW-307	03/09/2020		1.2400		
Selenium	ug/L	MW-307	09/17/2020	ND	1.0000	3.8400	**
Selenium	ug/L	MW-307	04/16/2021	ND	0.9600	3.8400	**
Selenium	ug/L	MW-307	10/28/2021	ND	0.9600	3.8400	**
Selenium	ug/L	MW-307	04/13/2022	ND	3.8400		
Selenium	ug/L	MW-307	09/01/2022	ND	4.0000	3.8400	**
Selenium	ug/L	MW-307	03/06/2023	ND	4.0000	3.8400	**
Selenium	ug/L	MW-307	09/29/2023		6.4000		
Selenium	ug/L	MW-307	03/19/2024	ND	4.0000	3.8400	**
Selenium	ug/L	MW-307	10/03/2024	ND	4.0000	3.8400	**
Selenium	ug/L	MW-307	03/25/2025	ND	2.0000	3.8400	**
Silver	ug/L	MW-307	09/18/2012		36.0000		*
Silver	ug/L	MW-307	03/27/2013	ND	20.0000	1.4000	**
Silver	ug/L	MW-307	09/26/2013		18.1000		*
Silver	ug/L	MW-307	04/15/2014	ND	20.0000	1.4000	**
Silver	ug/L	MW-307	09/01/2015	ND	1.0000	1.4000	**
Silver	ug/L	MW-307	03/22/2016	ND	0.1530	1.4000	**
Silver	ug/L	MW-307	10/21/2016	ND	0.1530	1.4000	**
Silver	ug/L	MW-307	03/08/2017	ND	1.4000		
Silver	ug/L	MW-307	09/25/2017	ND	0.1400	1.4000	**
Silver	ug/L	MW-307	03/13/2018	ND	0.5600	1.4000	**
Silver	ug/L	MW-307	10/01/2018	ND	0.1150	1.4000	**
Silver	ug/L	MW-307	03/27/2019	ND	0.3700	1.4000	**
Silver	ug/L	MW-307	09/23/2019	ND	1.4800	1.4000	**
Silver	ug/L	MW-307	03/09/2020	ND	0.3700	1.4000	**
Silver	ug/L	MW-307	09/17/2020	ND	0.3700	1.4000	**
Silver	ug/L	MW-307	04/16/2021	ND	0.4200	1.4000	**
Silver	ug/L	MW-307	10/28/2021	ND	0.4200	1.4000	**
Silver	ug/L	MW-307	04/13/2022	ND	1.9600	1.4000	**
Silver	ug/L	MW-307	09/01/2022	ND	4.0000	1.4000	**
Silver	ug/L	MW-307	03/06/2023	ND	4.0000	1.4000	**
Silver	ug/L	MW-307	09/29/2023	ND	4.0000	1.4000	**
Silver	ug/L	MW-307	03/19/2024	ND	4.0000	1.4000	**
Silver	ug/L	MW-307	10/03/2024	ND	4.0000	1.4000	**
Silver	ug/L	MW-307	03/25/2025	ND	5.0000	1.4000	**
Thallium	ug/L	MW-307	09/18/2012	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	03/27/2013	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	09/26/2013	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	04/15/2014	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	09/01/2015	ND	1.0000		
Thallium	ug/L	MW-307	03/22/2016		0.0460		
Thallium	ug/L	MW-307	10/21/2016		0.0440		
Thallium	ug/L	MW-307	03/08/2017	ND	0.0644	1.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium	ug/L	MW-307	09/25/2017	ND	0.0644	1.0000	**
Thallium	ug/L	MW-307	03/13/2018	ND	0.2580	1.0000	**
Thallium	ug/L	MW-307	10/01/2018	ND	0.5700	1.0000	**
Thallium	ug/L	MW-307	03/27/2019	ND	0.2700	1.0000	**
Thallium	ug/L	MW-307	09/23/2019	ND	1.0800	1.0000	**
Thallium	ug/L	MW-307	03/09/2020	ND	0.2600	1.0000	**
Thallium	ug/L	MW-307	09/17/2020	ND	0.2600	1.0000	**
Thallium	ug/L	MW-307	04/16/2021	ND	0.2600	1.0000	**
Thallium	ug/L	MW-307	10/28/2021	ND	0.2600	1.0000	**
Thallium	ug/L	MW-307	04/13/2022	ND	1.0400	1.0000	**
Thallium	ug/L	MW-307	09/01/2022	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	03/06/2023	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	09/29/2023	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	03/19/2024	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	10/03/2024	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	03/25/2025	ND	0.5000	1.0000	**
Vanadium	ug/L	MW-307	09/18/2012	ND	50.0000	3.3600	**
Vanadium	ug/L	MW-307	03/27/2013		22.7000		*
Vanadium	ug/L	MW-307	09/26/2013	ND	150.0000	3.3600	**
Vanadium	ug/L	MW-307	04/15/2014	ND	50.0000	3.3600	**
Vanadium	ug/L	MW-307	09/01/2015	ND	5.0000	3.3600	**
Vanadium	ug/L	MW-307	03/22/2016	ND	0.2550	3.3600	**
Vanadium	ug/L	MW-307	10/21/2016	ND	0.2550	3.3600	**
Vanadium	ug/L	MW-307	03/08/2017	ND	0.8400	3.3600	**
Vanadium	ug/L	MW-307	09/25/2017	ND	0.8400	3.3600	**
Vanadium	ug/L	MW-307	03/13/2018	ND	3.3600		
Vanadium	ug/L	MW-307	10/01/2018	ND	2.1500	3.3600	**
Vanadium	ug/L	MW-307	03/27/2019	ND	0.8200	3.3600	**
Vanadium	ug/L	MW-307	09/23/2019	ND	3.2800	3.3600	**
Vanadium	ug/L	MW-307	03/09/2020	ND	0.8200	3.3600	**
Vanadium	ug/L	MW-307	09/17/2020	ND	0.8500	3.3600	**
Vanadium	ug/L	MW-307	04/16/2021	ND	1.1000	3.3600	**
Vanadium	ug/L	MW-307	10/28/2021	ND	1.1000	3.3600	**
Vanadium	ug/L	MW-307	04/13/2022	ND	4.4000	3.3600	**
Vanadium	ug/L	MW-307	09/01/2022	ND	20.0000	3.3600	**
Vanadium	ug/L	MW-307	03/06/2023	ND	20.0000	3.3600	**
Vanadium	ug/L	MW-307	09/29/2023	ND	20.0000	3.3600	**
Vanadium	ug/L	MW-307	03/19/2024	ND	20.0000	3.3600	**
Vanadium	ug/L	MW-307	10/03/2024	ND	20.0000	3.3600	**
Vanadium	ug/L	MW-307	03/25/2025	ND	2.0000	3.3600	**
Zinc	ug/L	MW-307	09/18/2012		434.0000		
Zinc	ug/L	MW-307	03/27/2013		663.0000		
Zinc	ug/L	MW-307	09/26/2013		695.0000		
Zinc	ug/L	MW-307	04/15/2014		356.0000		
Zinc	ug/L	MW-307	09/01/2015		338.0000		
Zinc	ug/L	MW-307	03/22/2016		385.0000		
Zinc	ug/L	MW-307	10/21/2016		456.0000		
Zinc	ug/L	MW-307	03/08/2017		492.0000		
Zinc	ug/L	MW-307	09/25/2017		283.0000		
Zinc	ug/L	MW-307	03/13/2018		447.0000		
Zinc	ug/L	MW-307	10/01/2018		424.0000		
Zinc	ug/L	MW-307	03/27/2019		346.0000		
Zinc	ug/L	MW-307	09/23/2019		322.0000		
Zinc	ug/L	MW-307	03/09/2020		308.0000		
Zinc	ug/L	MW-307	09/17/2020		349.0000		
Zinc	ug/L	MW-307	04/16/2021		443.0000		
Zinc	ug/L	MW-307	10/28/2021		10.6000		*
Zinc	ug/L	MW-307	04/13/2022		374.0000		
Zinc	ug/L	MW-307	09/01/2022		271.0000		
Zinc	ug/L	MW-307	03/06/2023		324.0000		
Zinc	ug/L	MW-307	09/29/2023		383.0000		
Zinc	ug/L	MW-307	03/19/2024		304.0000		
Zinc	ug/L	MW-307	10/03/2024		253.0000		
Zinc	ug/L	MW-307	03/25/2025		238.0000		
Antimony	ug/L	MW-312	09/20/2012	ND	6.0000	1.1000	**
Antimony	ug/L	MW-312	12/12/2012	ND	6.0000	1.1000	**
Antimony	ug/L	MW-312	03/28/2013	ND	6.0000	1.1000	**
Antimony	ug/L	MW-312	06/19/2013	ND	6.0000	1.1000	**
Antimony	ug/L	MW-312	09/26/2013	ND	6.0000	1.1000	**
Antimony	ug/L	MW-312	04/16/2014	ND	6.0000	1.1000	**
Antimony	ug/L	MW-312	09/01/2015	ND	1.0000	1.1000	**
Antimony	ug/L	MW-312	03/22/2016	ND	0.2370	1.1000	**
Antimony	ug/L	MW-312	10/21/2016	ND	0.2370	1.1000	**
Antimony	ug/L	MW-312	03/08/2017	ND	0.1850	1.1000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony	ug/L	MW-312	09/25/2017	ND	0.1850	1.1000	**
Antimony	ug/L	MW-312	03/13/2018	ND	0.7400	1.1000	**
Antimony	ug/L	MW-312	10/01/2018	ND	1.3200	1.1000	**
Antimony	ug/L	MW-312	03/27/2019	ND	0.5300	1.1000	**
Antimony	ug/L	MW-312	09/23/2019	ND	0.5300	1.1000	**
Antimony	ug/L	MW-312	03/09/2020	ND	0.5800	1.1000	**
Antimony	ug/L	MW-312	09/15/2020	ND	0.5100	1.1000	**
Antimony	ug/L	MW-312	04/15/2021	ND	1.1000		
Antimony	ug/L	MW-312	10/27/2021	ND	1.1000		
Antimony	ug/L	MW-312	04/14/2022	ND	2.7600	1.1000	**
Antimony	ug/L	MW-312	09/01/2022	ND	2.0000	1.1000	**
Antimony	ug/L	MW-312	03/06/2023	ND	2.0000	1.1000	**
Antimony	ug/L	MW-312	09/29/2023	ND	2.0000	1.1000	**
Antimony	ug/L	MW-312	03/19/2024	ND	2.0000	1.1000	**
Antimony	ug/L	MW-312	10/03/2024	ND	2.0000	1.1000	**
Antimony	ug/L	MW-312	03/25/2025	ND	1.0000	1.1000	**
Arsenic	ug/L	MW-312	09/20/2012	ND	1.0000	2.0000	**
Arsenic	ug/L	MW-312	12/12/2012	ND	2.0000		
Arsenic	ug/L	MW-312	03/28/2013	ND	1.0000	2.0000	**
Arsenic	ug/L	MW-312	06/19/2013	ND	3.0000	2.0000	**
Arsenic	ug/L	MW-312	09/26/2013		2.3200		
Arsenic	ug/L	MW-312	04/16/2014	ND	1.0000	2.0000	**
Arsenic	ug/L	MW-312	09/01/2015	ND	2.0000		
Arsenic	ug/L	MW-312	03/22/2016	ND	0.6720	2.0000	**
Arsenic	ug/L	MW-312	10/21/2016		1.4300		
Arsenic	ug/L	MW-312	03/08/2017		1.0200		
Arsenic	ug/L	MW-312	09/25/2017		1.2300		
Arsenic	ug/L	MW-312	03/13/2018	ND	2.0200	2.0000	**
Arsenic	ug/L	MW-312	10/01/2018		1.8400		
Arsenic	ug/L	MW-312	03/27/2019		1.1300		
Arsenic	ug/L	MW-312	09/23/2019		1.2200		
Arsenic	ug/L	MW-312	03/09/2020	ND	0.8800	2.0000	**
Arsenic	ug/L	MW-312	09/15/2020		2.1500		
Arsenic	ug/L	MW-312	04/15/2021		1.2800		
Arsenic	ug/L	MW-312	10/27/2021		1.2900		
Arsenic	ug/L	MW-312	04/14/2022	ND	3.0000	2.0000	**
Arsenic	ug/L	MW-312	09/01/2022	ND	4.0000	2.0000	**
Arsenic	ug/L	MW-312	03/06/2023	ND	4.0000	2.0000	**
Arsenic	ug/L	MW-312	09/29/2023	ND	4.0000	2.0000	**
Arsenic	ug/L	MW-312	03/19/2024	ND	4.0000	2.0000	**
Arsenic	ug/L	MW-312	10/03/2024	ND	4.0000	2.0000	**
Arsenic	ug/L	MW-312	03/25/2025	ND	2.0000		
Barium	ug/L	MW-312	09/20/2012		16.6000		
Barium	ug/L	MW-312	12/12/2012		18.5000		
Barium	ug/L	MW-312	03/28/2013		12.3000		
Barium	ug/L	MW-312	06/19/2013		16.7000		
Barium	ug/L	MW-312	09/26/2013		8.4700		
Barium	ug/L	MW-312	04/16/2014		10.7000		
Barium	ug/L	MW-312	09/01/2015		15.4000		
Barium	ug/L	MW-312	03/22/2016		24.9000		
Barium	ug/L	MW-312	10/21/2016		13.8000		
Barium	ug/L	MW-312	03/08/2017		14.1000		
Barium	ug/L	MW-312	09/25/2017		16.5000		
Barium	ug/L	MW-312	03/13/2018		12.8000		
Barium	ug/L	MW-312	10/01/2018		13.4000		
Barium	ug/L	MW-312	03/27/2019		14.6000		
Barium	ug/L	MW-312	09/23/2019		11.1000		
Barium	ug/L	MW-312	03/09/2020		14.9000		
Barium	ug/L	MW-312	09/15/2020		13.6000		
Barium	ug/L	MW-312	04/15/2021		12.5000		
Barium	ug/L	MW-312	10/27/2021		11.9000		
Barium	ug/L	MW-312	04/14/2022		14.6000		
Barium	ug/L	MW-312	09/01/2022		23.9000		
Barium	ug/L	MW-312	03/06/2023		25.3000		
Barium	ug/L	MW-312	09/29/2023		22.9000		
Barium	ug/L	MW-312	03/19/2024		24.3000		
Barium	ug/L	MW-312	10/03/2024		24.9000		
Barium	ug/L	MW-312	03/25/2025		25.6000		
Beryllium	ug/L	MW-312	09/20/2012	ND	1.0000		
Beryllium	ug/L	MW-312	12/12/2012	ND	1.0000		
Beryllium	ug/L	MW-312	03/28/2013	ND	1.0000		
Beryllium	ug/L	MW-312	06/19/2013	ND	1.0000		
Beryllium	ug/L	MW-312	09/26/2013		0.2800		
Beryllium	ug/L	MW-312	04/16/2014	ND	1.0000		

* - 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	ug/L	MW-312	09/01/2015	ND	1.0000		
Beryllium	ug/L	MW-312	03/22/2016	ND	0.2210	1.0000	**
Beryllium	ug/L	MW-312	10/21/2016	ND	0.2210	1.0000	**
Beryllium	ug/L	MW-312	03/08/2017		0.1430		
Beryllium	ug/L	MW-312	09/25/2017		0.1980		
Beryllium	ug/L	MW-312	03/13/2018	ND	0.5000	1.0000	**
Beryllium	ug/L	MW-312	10/01/2018	ND	0.5300	1.0000	**
Beryllium	ug/L	MW-312	03/27/2019	ND	0.2700	1.0000	**
Beryllium	ug/L	MW-312	09/23/2019		0.3180		
Beryllium	ug/L	MW-312	03/09/2020	ND	0.2700	1.0000	**
Beryllium	ug/L	MW-312	09/15/2020	ND	0.2700	1.0000	**
Beryllium	ug/L	MW-312	04/15/2021		0.3120		
Beryllium	ug/L	MW-312	10/27/2021		0.2750		
Beryllium	ug/L	MW-312	04/14/2022	ND	1.0800	1.0000	**
Beryllium	ug/L	MW-312	09/01/2022	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-312	03/06/2023	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-312	09/29/2023	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-312	03/19/2024	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-312	10/03/2024	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-312	03/25/2025	ND	0.5000	1.0000	**
Cadmium	ug/L	MW-312	09/20/2012	ND	0.5000		
Cadmium	ug/L	MW-312	12/12/2012	ND	0.5000		
Cadmium	ug/L	MW-312	03/28/2013	ND	0.5000		
Cadmium	ug/L	MW-312	06/19/2013		0.2460		
Cadmium	ug/L	MW-312	09/26/2013	ND	0.5000		
Cadmium	ug/L	MW-312	04/16/2014	ND	0.5000		
Cadmium	ug/L	MW-312	09/01/2015	ND	0.5000		
Cadmium	ug/L	MW-312	03/22/2016		0.0670		
Cadmium	ug/L	MW-312	10/21/2016	ND	0.0351	0.5000	**
Cadmium	ug/L	MW-312	03/08/2017	ND	0.0441	0.5000	**
Cadmium	ug/L	MW-312	09/25/2017	ND	0.0441	0.5000	**
Cadmium	ug/L	MW-312	03/13/2018	ND	0.1760	0.5000	**
Cadmium	ug/L	MW-312	10/01/2018	ND	0.1670	0.5000	**
Cadmium	ug/L	MW-312	03/27/2019	ND	0.0770	0.5000	**
Cadmium	ug/L	MW-312	09/23/2019	ND	0.0390	0.5000	**
Cadmium	ug/L	MW-312	03/09/2020		0.0680		
Cadmium	ug/L	MW-312	09/15/2020	ND	0.0490	0.5000	**
Cadmium	ug/L	MW-312	04/15/2021	ND	0.0510	0.5000	**
Cadmium	ug/L	MW-312	10/27/2021	ND	0.0510	0.5000	**
Cadmium	ug/L	MW-312	04/14/2022	ND	0.2200	0.5000	**
Cadmium	ug/L	MW-312	09/01/2022	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-312	03/06/2023	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-312	09/29/2023	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-312	03/19/2024	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-312	10/03/2024	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-312	03/25/2025	ND	0.2000	0.5000	**
Chromium	ug/L	MW-312	09/20/2012	ND	20.0000	4.4000	**
Chromium	ug/L	MW-312	12/12/2012	ND	20.0000	4.4000	**
Chromium	ug/L	MW-312	03/28/2013	ND	20.0000	4.4000	**
Chromium	ug/L	MW-312	06/19/2013	ND	20.0000	4.4000	**
Chromium	ug/L	MW-312	09/26/2013		3.9000		
Chromium	ug/L	MW-312	04/16/2014	ND	20.0000	4.4000	**
Chromium	ug/L	MW-312	09/01/2015	ND	5.0000	4.4000	**
Chromium	ug/L	MW-312	03/22/2016	ND	0.3550	4.4000	**
Chromium	ug/L	MW-312	10/21/2016	ND	0.3550	4.4000	**
Chromium	ug/L	MW-312	03/08/2017	ND	0.7290	4.4000	**
Chromium	ug/L	MW-312	09/25/2017	ND	0.7290	4.4000	**
Chromium	ug/L	MW-312	03/13/2018	ND	2.9200	4.4000	**
Chromium	ug/L	MW-312	10/01/2018		1.2600		
Chromium	ug/L	MW-312	03/27/2019	ND	0.9800	4.4000	**
Chromium	ug/L	MW-312	09/23/2019	ND	0.9800	4.4000	**
Chromium	ug/L	MW-312	03/09/2020	ND	1.1000	4.4000	**
Chromium	ug/L	MW-312	09/15/2020	ND	1.1000	4.4000	**
Chromium	ug/L	MW-312	04/15/2021	ND	1.1000	4.4000	**
Chromium	ug/L	MW-312	10/27/2021	ND	1.1000	4.4000	**
Chromium	ug/L	MW-312	04/14/2022	ND	4.4000		
Chromium	ug/L	MW-312	09/01/2022	ND	8.0000	4.4000	**
Chromium	ug/L	MW-312	03/06/2023	ND	8.0000	4.4000	**
Chromium	ug/L	MW-312	09/29/2023	ND	8.0000	4.4000	**
Chromium	ug/L	MW-312	03/19/2024	ND	8.0000	4.4000	**
Chromium	ug/L	MW-312	10/03/2024	ND	8.0000	4.4000	**
Chromium	ug/L	MW-312	03/25/2025	ND	1.0000	4.4000	**
Cobalt	ug/L	MW-312	09/20/2012		36.2000		
Cobalt	ug/L	MW-312	12/12/2012		34.3000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt	ug/L	MW-312	03/28/2013		54.5000		
Cobalt	ug/L	MW-312	06/19/2013		43.7000		
Cobalt	ug/L	MW-312	09/26/2013		44.9000		
Cobalt	ug/L	MW-312	04/16/2014		20.8000		
Cobalt	ug/L	MW-312	09/01/2015		32.4000		
Cobalt	ug/L	MW-312	03/22/2016		37.1000		
Cobalt	ug/L	MW-312	10/21/2016		36.4000		
Cobalt	ug/L	MW-312	03/08/2017		35.0000		
Cobalt	ug/L	MW-312	09/25/2017		30.3000		
Cobalt	ug/L	MW-312	03/13/2018		24.1000		
Cobalt	ug/L	MW-312	10/01/2018		29.8000		
Cobalt	ug/L	MW-312	03/27/2019		32.7000		
Cobalt	ug/L	MW-312	09/23/2019		34.9000		
Cobalt	ug/L	MW-312	03/09/2020		34.7000		
Cobalt	ug/L	MW-312	09/15/2020		41.4000		
Cobalt	ug/L	MW-312	04/15/2021		52.3000		
Cobalt	ug/L	MW-312	10/27/2021		38.6000		
Cobalt	ug/L	MW-312	04/14/2022		47.4000		
Cobalt	ug/L	MW-312	09/01/2022		34.0000		
Cobalt	ug/L	MW-312	03/06/2023		44.8000		
Cobalt	ug/L	MW-312	09/29/2023		42.9000		
Cobalt	ug/L	MW-312	03/19/2024		44.2000		
Cobalt	ug/L	MW-312	10/03/2024		38.9000		
Cobalt	ug/L	MW-312	03/25/2025		36.7000		
Copper	ug/L	MW-312	09/20/2012	ND	20.0000	4.0000	**
Copper	ug/L	MW-312	12/12/2012	ND	20.0000	4.0000	**
Copper	ug/L	MW-312	03/28/2013		2.1900		
Copper	ug/L	MW-312	06/19/2013	ND	20.0000	4.0000	**
Copper	ug/L	MW-312	09/26/2013	ND	20.0000	4.0000	**
Copper	ug/L	MW-312	04/16/2014	ND	20.0000	4.0000	**
Copper	ug/L	MW-312	09/01/2015	ND	2.0000	4.0000	**
Copper	ug/L	MW-312	03/22/2016	ND	1.2200	4.0000	**
Copper	ug/L	MW-312	10/21/2016	ND	1.2200	4.0000	**
Copper	ug/L	MW-312	03/08/2017	ND	2.1900	4.0000	**
Copper	ug/L	MW-312	09/25/2017	ND	2.1900	4.0000	**
Copper	ug/L	MW-312	03/13/2018	ND	8.7600	4.0000	**
Copper	ug/L	MW-312	10/01/2018		1.1800		
Copper	ug/L	MW-312	03/27/2019	ND	2.0000	4.0000	**
Copper	ug/L	MW-312	09/23/2019	ND	2.0000	4.0000	**
Copper	ug/L	MW-312	03/09/2020	ND	3.2000	4.0000	**
Copper	ug/L	MW-312	09/15/2020	ND	1.5000	4.0000	**
Copper	ug/L	MW-312	04/15/2021	ND	1.4000	4.0000	**
Copper	ug/L	MW-312	10/27/2021	ND	1.4000	4.0000	**
Copper	ug/L	MW-312	04/14/2022		7.9900		
Copper	ug/L	MW-312	09/01/2022	ND	4.0000		
Copper	ug/L	MW-312	03/06/2023	ND	4.0000		
Copper	ug/L	MW-312	09/29/2023	ND	4.0000		
Copper	ug/L	MW-312	03/19/2024	ND	4.0000		
Copper	ug/L	MW-312	10/03/2024	ND	4.0000		
Copper	ug/L	MW-312	03/25/2025	ND	5.0000	4.0000	**
Lead	ug/L	MW-312	09/20/2012	ND	4.0000	1.3000	**
Lead	ug/L	MW-312	12/12/2012	ND	4.0000	1.3000	**
Lead	ug/L	MW-312	03/28/2013	ND	4.0000	1.3000	**
Lead	ug/L	MW-312	06/19/2013		1.6700		
Lead	ug/L	MW-312	09/26/2013	ND	4.0000	1.3000	**
Lead	ug/L	MW-312	04/16/2014	ND	4.0000	1.3000	**
Lead	ug/L	MW-312	09/01/2015	ND	0.5000	1.3000	**
Lead	ug/L	MW-312	03/22/2016	ND	0.2110	1.3000	**
Lead	ug/L	MW-312	10/21/2016	ND	0.2110	1.3000	**
Lead	ug/L	MW-312	03/08/2017	ND	0.3240	1.3000	**
Lead	ug/L	MW-312	09/25/2017	ND	0.3240	1.3000	**
Lead	ug/L	MW-312	03/13/2018	ND	1.3000		
Lead	ug/L	MW-312	10/01/2018	ND	0.1860	1.3000	**
Lead	ug/L	MW-312	03/27/2019	ND	0.2700	1.3000	**
Lead	ug/L	MW-312	09/23/2019		0.2740		
Lead	ug/L	MW-312	03/09/2020	ND	0.2700	1.3000	**
Lead	ug/L	MW-312	09/15/2020		0.1770		
Lead	ug/L	MW-312	04/15/2021	ND	0.2100	1.3000	**
Lead	ug/L	MW-312	10/27/2021		1.4100		
Lead	ug/L	MW-312	04/14/2022	ND	0.9600	1.3000	**
Lead	ug/L	MW-312	09/01/2022	ND	4.0000	1.3000	**
Lead	ug/L	MW-312	03/06/2023	ND	4.0000	1.3000	**
Lead	ug/L	MW-312	09/29/2023	ND	4.0000	1.3000	**
Lead	ug/L	MW-312	03/19/2024	ND	4.0000	1.3000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead	ug/L	MW-312	10/03/2024	ND	4.0000	1.3000	**
Lead	ug/L	MW-312	03/25/2025	ND	1.0000	1.3000	**
Nickel	ug/L	MW-312	09/20/2012		89.5000		
Nickel	ug/L	MW-312	12/12/2012		82.0000		
Nickel	ug/L	MW-312	03/28/2013		121.0000		
Nickel	ug/L	MW-312	06/19/2013		119.0000		
Nickel	ug/L	MW-312	09/26/2013		117.0000		
Nickel	ug/L	MW-312	04/16/2014		101.0000		
Nickel	ug/L	MW-312	09/01/2015		108.0000		
Nickel	ug/L	MW-312	03/22/2016		45.0000		
Nickel	ug/L	MW-312	10/21/2016		94.4000		
Nickel	ug/L	MW-312	03/08/2017		100.0000		
Nickel	ug/L	MW-312	09/25/2017		80.1000		
Nickel	ug/L	MW-312	03/13/2018		88.8000		
Nickel	ug/L	MW-312	10/01/2018		91.6000		
Nickel	ug/L	MW-312	03/27/2019		101.0000		
Nickel	ug/L	MW-312	09/23/2019		120.0000		
Nickel	ug/L	MW-312	03/09/2020		85.8000		
Nickel	ug/L	MW-312	09/15/2020		119.0000		
Nickel	ug/L	MW-312	04/15/2021		150.0000		
Nickel	ug/L	MW-312	10/27/2021		128.0000		
Nickel	ug/L	MW-312	04/14/2022		141.0000		
Nickel	ug/L	MW-312	09/01/2022		64.5000		
Nickel	ug/L	MW-312	03/06/2023		64.8000		
Nickel	ug/L	MW-312	09/29/2023		72.1000		
Nickel	ug/L	MW-312	03/19/2024		58.4000		
Nickel	ug/L	MW-312	10/03/2024		57.6000		
Nickel	ug/L	MW-312	03/25/2025		53.0000		
Selenium	ug/L	MW-312	09/20/2012	ND	5.0000	3.8400	**
Selenium	ug/L	MW-312	12/12/2012	ND	5.0000	3.8400	**
Selenium	ug/L	MW-312	03/28/2013	ND	5.0000	3.8400	**
Selenium	ug/L	MW-312	06/19/2013	ND	5.0000	3.8400	**
Selenium	ug/L	MW-312	09/26/2013	ND	5.0000	3.8400	**
Selenium	ug/L	MW-312	04/16/2014	ND	5.0000	3.8400	**
Selenium	ug/L	MW-312	09/01/2015	ND	5.0000	3.8400	**
Selenium	ug/L	MW-312	03/22/2016	ND	0.6300	3.8400	**
Selenium	ug/L	MW-312	10/21/2016	ND	0.6300	3.8400	**
Selenium	ug/L	MW-312	03/08/2017	ND	0.9280	3.8400	**
Selenium	ug/L	MW-312	09/25/2017	ND	0.9280	3.8400	**
Selenium	ug/L	MW-312	03/13/2018	ND	3.7100	3.8400	**
Selenium	ug/L	MW-312	10/01/2018	ND	0.9820	3.8400	**
Selenium	ug/L	MW-312	03/27/2019	ND	1.0000	3.8400	**
Selenium	ug/L	MW-312	09/23/2019	ND	1.0000	3.8400	**
Selenium	ug/L	MW-312	03/09/2020	ND	1.0000	3.8400	**
Selenium	ug/L	MW-312	09/15/2020	ND	1.0000	3.8400	**
Selenium	ug/L	MW-312	04/15/2021	ND	0.9600	3.8400	**
Selenium	ug/L	MW-312	10/27/2021	ND	0.9600	3.8400	**
Selenium	ug/L	MW-312	04/14/2022	ND	3.8400		
Selenium	ug/L	MW-312	09/01/2022	ND	4.0000	3.8400	**
Selenium	ug/L	MW-312	03/06/2023	ND	4.0000	3.8400	**
Selenium	ug/L	MW-312	09/29/2023	ND	4.0000	3.8400	**
Selenium	ug/L	MW-312	03/19/2024	ND	4.0000	3.8400	**
Selenium	ug/L	MW-312	10/03/2024	ND	4.0000	3.8400	**
Selenium	ug/L	MW-312	03/25/2025	ND	2.0000	3.8400	**
Silver	ug/L	MW-312	09/20/2012	ND	20.0000	1.4000	**
Silver	ug/L	MW-312	12/12/2012	ND	20.0000	1.4000	**
Silver	ug/L	MW-312	03/28/2013	ND	20.0000	1.4000	**
Silver	ug/L	MW-312	06/19/2013	ND	20.0000	1.4000	**
Silver	ug/L	MW-312	09/26/2013	ND	20.0000	1.4000	**
Silver	ug/L	MW-312	04/16/2014	ND	20.0000	1.4000	**
Silver	ug/L	MW-312	09/01/2015	ND	1.0000	1.4000	**
Silver	ug/L	MW-312	03/22/2016	ND	0.1530	1.4000	**
Silver	ug/L	MW-312	10/21/2016	ND	0.1530	1.4000	**
Silver	ug/L	MW-312	03/08/2017	ND	0.1400	1.4000	**
Silver	ug/L	MW-312	09/25/2017	ND	0.1400	1.4000	**
Silver	ug/L	MW-312	03/13/2018	ND	0.5600	1.4000	**
Silver	ug/L	MW-312	10/01/2018	ND	0.1150	1.4000	**
Silver	ug/L	MW-312	03/27/2019	ND	0.3700	1.4000	**
Silver	ug/L	MW-312	09/23/2019	ND	0.3700	1.4000	**
Silver	ug/L	MW-312	03/09/2020	ND	0.3700	1.4000	**
Silver	ug/L	MW-312	09/15/2020	ND	0.3700	1.4000	**
Silver	ug/L	MW-312	04/15/2021	ND	0.4200	1.4000	**
Silver	ug/L	MW-312	10/27/2021	ND	0.4200	1.4000	**
Silver	ug/L	MW-312	04/14/2022	ND	1.9600	1.4000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Silver	ug/L	MW-312	09/01/2022	ND	4.0000	1.4000	**
Silver	ug/L	MW-312	03/06/2023	ND	4.0000	1.4000	**
Silver	ug/L	MW-312	09/29/2023	ND	4.0000	1.4000	**
Silver	ug/L	MW-312	03/19/2024	ND	4.0000	1.4000	**
Silver	ug/L	MW-312	10/03/2024	ND	4.0000	1.4000	**
Silver	ug/L	MW-312	03/25/2025	ND	5.0000	1.4000	**
Thallium	ug/L	MW-312	09/20/2012	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	12/12/2012	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	03/28/2013	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	06/19/2013	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	09/26/2013	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	04/16/2014	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	09/01/2015	ND	1.0000		
Thallium	ug/L	MW-312	03/22/2016		0.0650		
Thallium	ug/L	MW-312	10/21/2016	ND	0.0255	1.0000	**
Thallium	ug/L	MW-312	03/08/2017	ND	0.0644	1.0000	**
Thallium	ug/L	MW-312	09/25/2017	ND	0.0644	1.0000	**
Thallium	ug/L	MW-312	03/13/2018	ND	0.2580	1.0000	**
Thallium	ug/L	MW-312	10/01/2018	ND	0.5700	1.0000	**
Thallium	ug/L	MW-312	03/27/2019	ND	0.2700	1.0000	**
Thallium	ug/L	MW-312	09/23/2019	ND	0.2700	1.0000	**
Thallium	ug/L	MW-312	03/09/2020	ND	0.2600	1.0000	**
Thallium	ug/L	MW-312	09/15/2020	ND	0.2600	1.0000	**
Thallium	ug/L	MW-312	04/15/2021	ND	0.2600	1.0000	**
Thallium	ug/L	MW-312	10/27/2021	ND	0.2600	1.0000	**
Thallium	ug/L	MW-312	04/14/2022	ND	1.0400	1.0000	**
Thallium	ug/L	MW-312	09/01/2022	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	03/06/2023	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	09/29/2023	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	03/19/2024	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	10/03/2024	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	03/25/2025	ND	0.5000	1.0000	**
Vanadium	ug/L	MW-312	09/20/2012	ND	50.0000	3.3600	**
Vanadium	ug/L	MW-312	12/12/2012	ND	50.0000	3.3600	**
Vanadium	ug/L	MW-312	03/28/2013	ND	50.0000	3.3600	**
Vanadium	ug/L	MW-312	06/19/2013	ND	50.0000	3.3600	**
Vanadium	ug/L	MW-312	09/26/2013	ND	50.0000	3.3600	**
Vanadium	ug/L	MW-312	04/16/2014	ND	50.0000	3.3600	**
Vanadium	ug/L	MW-312	09/01/2015	ND	5.0000	3.3600	**
Vanadium	ug/L	MW-312	03/22/2016	ND	0.2550	3.3600	**
Vanadium	ug/L	MW-312	10/21/2016	ND	0.2550	3.3600	**
Vanadium	ug/L	MW-312	03/08/2017	ND	0.8400	3.3600	**
Vanadium	ug/L	MW-312	09/25/2017	ND	0.8400	3.3600	**
Vanadium	ug/L	MW-312	03/13/2018	ND	3.3600		
Vanadium	ug/L	MW-312	10/01/2018	ND	2.1500	3.3600	**
Vanadium	ug/L	MW-312	03/27/2019	ND	0.8200	3.3600	**
Vanadium	ug/L	MW-312	09/23/2019	ND	0.8200	3.3600	**
Vanadium	ug/L	MW-312	03/09/2020	ND	0.8200	3.3600	**
Vanadium	ug/L	MW-312	09/15/2020	ND	0.8500	3.3600	**
Vanadium	ug/L	MW-312	04/15/2021	ND	1.1000	3.3600	**
Vanadium	ug/L	MW-312	10/27/2021	ND	1.1000	3.3600	**
Vanadium	ug/L	MW-312	04/14/2022	ND	4.4000	3.3600	**
Vanadium	ug/L	MW-312	09/01/2022	ND	20.0000	3.3600	**
Vanadium	ug/L	MW-312	03/06/2023	ND	20.0000	3.3600	**
Vanadium	ug/L	MW-312	09/29/2023	ND	20.0000	3.3600	**
Vanadium	ug/L	MW-312	03/19/2024	ND	20.0000	3.3600	**
Vanadium	ug/L	MW-312	10/03/2024	ND	20.0000	3.3600	**
Vanadium	ug/L	MW-312	03/25/2025	ND	2.0000	3.3600	**
Zinc	ug/L	MW-312	09/20/2012	ND	20.0000		
Zinc	ug/L	MW-312	12/12/2012		85.0000		
Zinc	ug/L	MW-312	03/28/2013		84.9000		
Zinc	ug/L	MW-312	06/19/2013		70.1000		
Zinc	ug/L	MW-312	09/26/2013		209.0000		
Zinc	ug/L	MW-312	04/16/2014	ND	60.0000	20.0000	**
Zinc	ug/L	MW-312	09/01/2015	ND	10.0000	20.0000	**
Zinc	ug/L	MW-312	03/22/2016		6.8000		
Zinc	ug/L	MW-312	10/21/2016		12.3000		
Zinc	ug/L	MW-312	03/08/2017		17.6000		
Zinc	ug/L	MW-312	09/25/2017	ND	11.5000	20.0000	**
Zinc	ug/L	MW-312	03/13/2018	ND	46.0000	20.0000	**
Zinc	ug/L	MW-312	10/01/2018		10.0000		
Zinc	ug/L	MW-312	03/27/2019	ND	10.0000	20.0000	**
Zinc	ug/L	MW-312	09/23/2019	ND	10.0000	20.0000	**
Zinc	ug/L	MW-312	03/09/2020	ND	10.0000	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	ug/L	MW-312	09/15/2020		12.9000		
Zinc	ug/L	MW-312	04/15/2021	ND	10.0000	20.0000	**
Zinc	ug/L	MW-312	10/27/2021	ND	10.0000	20.0000	**
Zinc	ug/L	MW-312	04/14/2022	ND	40.0000	20.0000	**
Zinc	ug/L	MW-312	09/01/2022	ND	20.0000		
Zinc	ug/L	MW-312	03/06/2023	ND	20.0000		
Zinc	ug/L	MW-312	09/29/2023	ND	20.0000		
Zinc	ug/L	MW-312	03/19/2024	ND	20.0000		
Zinc	ug/L	MW-312	10/03/2024	ND	20.0000		
Zinc	ug/L	MW-312	03/25/2025		8.9000		
Antimony	ug/L	MW-390	09/18/2012	ND	6.0000	1.1000	**
Antimony	ug/L	MW-390	03/27/2013	ND	6.0000	1.1000	**
Antimony	ug/L	MW-390	09/25/2013	ND	6.0000	1.1000	**
Antimony	ug/L	MW-390	04/15/2014	ND	6.0000	1.1000	**
Antimony	ug/L	MW-390	09/01/2015	ND	1.0000	1.1000	**
Antimony	ug/L	MW-390	03/22/2016	ND	0.2370	1.1000	**
Antimony	ug/L	MW-390	10/21/2016	ND	0.2370	1.1000	**
Antimony	ug/L	MW-390	03/08/2017	ND	0.1850	1.1000	**
Antimony	ug/L	MW-390	09/25/2017	ND	0.1850	1.1000	**
Antimony	ug/L	MW-390	03/13/2018	ND	0.7400	1.1000	**
Antimony	ug/L	MW-390	10/01/2018	ND	1.3200	1.1000	**
Antimony	ug/L	MW-390	03/27/2019	ND	0.5300	1.1000	**
Antimony	ug/L	MW-390	09/23/2019	ND	2.1200	1.1000	**
Antimony	ug/L	MW-390	03/09/2020	ND	0.5800	1.1000	**
Antimony	ug/L	MW-390	09/17/2020	ND	0.5100	1.1000	**
Antimony	ug/L	MW-390	04/14/2021	ND	1.1000		
Antimony	ug/L	MW-390	10/26/2021	ND	1.1000		
Antimony	ug/L	MW-390	04/14/2022	ND	2.7600	1.1000	**
Antimony	ug/L	MW-390	09/01/2022	ND	2.0000	1.1000	**
Antimony	ug/L	MW-390	03/06/2023	ND	2.0000	1.1000	**
Antimony	ug/L	MW-390	09/29/2023	ND	2.0000	1.1000	**
Antimony	ug/L	MW-390	03/18/2024	ND	2.0000	1.1000	**
Antimony	ug/L	MW-390	10/03/2024	ND	2.0000	1.1000	**
Antimony	ug/L	MW-390	03/25/2025	ND	1.0000	1.1000	**
Arsenic	ug/L	MW-390	09/18/2012		13.9000		
Arsenic	ug/L	MW-390	03/27/2013		14.0000		
Arsenic	ug/L	MW-390	09/25/2013		14.7000		
Arsenic	ug/L	MW-390	04/15/2014		17.6000		
Arsenic	ug/L	MW-390	09/01/2015		22.3000		
Arsenic	ug/L	MW-390	03/22/2016		16.7000		
Arsenic	ug/L	MW-390	10/21/2016		13.7000		
Arsenic	ug/L	MW-390	03/08/2017		7.2500		
Arsenic	ug/L	MW-390	09/25/2017		13.6000		
Arsenic	ug/L	MW-390	03/13/2018		14.7000		
Arsenic	ug/L	MW-390	10/01/2018		13.9000		
Arsenic	ug/L	MW-390	03/27/2019		15.0000		
Arsenic	ug/L	MW-390	09/23/2019		19.7000		
Arsenic	ug/L	MW-390	03/09/2020		19.0000		
Arsenic	ug/L	MW-390	09/17/2020		14.8000		
Arsenic	ug/L	MW-390	04/14/2021		15.7000		
Arsenic	ug/L	MW-390	10/26/2021		11.3000		
Arsenic	ug/L	MW-390	04/14/2022		22.5000		
Arsenic	ug/L	MW-390	09/01/2022		19.4000		
Arsenic	ug/L	MW-390	03/06/2023		16.3000		
Arsenic	ug/L	MW-390	09/29/2023		16.0000		
Arsenic	ug/L	MW-390	03/18/2024		17.3000		
Arsenic	ug/L	MW-390	10/03/2024		18.3000		
Arsenic	ug/L	MW-390	03/25/2025		17.5000		
Barium	ug/L	MW-390	09/18/2012		30.6000		
Barium	ug/L	MW-390	03/27/2013		23.5000		
Barium	ug/L	MW-390	09/25/2013		29.7000		
Barium	ug/L	MW-390	04/15/2014		13.0000		
Barium	ug/L	MW-390	09/01/2015		49.9000		
Barium	ug/L	MW-390	03/22/2016		36.1000		
Barium	ug/L	MW-390	10/21/2016		28.8000		
Barium	ug/L	MW-390	03/08/2017		17.8000		
Barium	ug/L	MW-390	09/25/2017		28.2000		
Barium	ug/L	MW-390	03/13/2018		21.5000		
Barium	ug/L	MW-390	10/01/2018		26.6000		
Barium	ug/L	MW-390	03/27/2019		30.0000		
Barium	ug/L	MW-390	09/23/2019		29.3000		
Barium	ug/L	MW-390	03/09/2020		26.9000		
Barium	ug/L	MW-390	09/17/2020		26.0000		
Barium	ug/L	MW-390	04/14/2021		26.1000		

* - 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	ug/L	MW-390	10/26/2021		25.4000		
Barium	ug/L	MW-390	04/14/2022		19.0000		
Barium	ug/L	MW-390	09/01/2022		14.9000		
Barium	ug/L	MW-390	03/06/2023		17.3000		
Barium	ug/L	MW-390	09/29/2023		12.9000		
Barium	ug/L	MW-390	03/18/2024		17.0000		
Barium	ug/L	MW-390	10/03/2024		16.3000		
Barium	ug/L	MW-390	03/25/2025		16.5000		
Beryllium	ug/L	MW-390	09/18/2012	ND	1.0000		
Beryllium	ug/L	MW-390	03/27/2013	ND	1.0000		
Beryllium	ug/L	MW-390	09/25/2013		0.2000		
Beryllium	ug/L	MW-390	04/15/2014	ND	1.0000		
Beryllium	ug/L	MW-390	09/01/2015	ND	1.0000		
Beryllium	ug/L	MW-390	03/22/2016	ND	0.2210	1.0000	**
Beryllium	ug/L	MW-390	10/21/2016	ND	0.2210	1.0000	**
Beryllium	ug/L	MW-390	03/08/2017	ND	0.1250	1.0000	**
Beryllium	ug/L	MW-390	09/25/2017	ND	0.1250	1.0000	**
Beryllium	ug/L	MW-390	03/13/2018	ND	0.5000	1.0000	**
Beryllium	ug/L	MW-390	10/01/2018	ND	0.5300	1.0000	**
Beryllium	ug/L	MW-390	03/27/2019	ND	0.2700	1.0000	**
Beryllium	ug/L	MW-390	09/23/2019	ND	1.0800	1.0000	**
Beryllium	ug/L	MW-390	03/09/2020	ND	0.2700	1.0000	**
Beryllium	ug/L	MW-390	09/17/2020	ND	0.5400	1.0000	**
Beryllium	ug/L	MW-390	04/14/2021	ND	0.2700	1.0000	**
Beryllium	ug/L	MW-390	10/26/2021	ND	0.2700	1.0000	**
Beryllium	ug/L	MW-390	04/14/2022	ND	1.0800	1.0000	**
Beryllium	ug/L	MW-390	09/01/2022	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-390	03/06/2023	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-390	09/29/2023	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-390	03/18/2024	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-390	10/03/2024	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-390	03/25/2025	ND	0.5000	1.0000	**
Cadmium	ug/L	MW-390	09/18/2012		0.6620		
Cadmium	ug/L	MW-390	03/27/2013		0.2810		
Cadmium	ug/L	MW-390	09/25/2013	ND	0.5000		
Cadmium	ug/L	MW-390	04/15/2014		0.3260		
Cadmium	ug/L	MW-390	09/01/2015	ND	0.5000		
Cadmium	ug/L	MW-390	03/22/2016	ND	0.0351	0.5000	**
Cadmium	ug/L	MW-390	10/21/2016		0.3020		
Cadmium	ug/L	MW-390	03/08/2017		0.0770		
Cadmium	ug/L	MW-390	09/25/2017	ND	0.0441	0.5000	**
Cadmium	ug/L	MW-390	03/13/2018	ND	0.1760	0.5000	**
Cadmium	ug/L	MW-390	10/01/2018	ND	0.1670	0.5000	**
Cadmium	ug/L	MW-390	03/27/2019	ND	0.0770	0.5000	**
Cadmium	ug/L	MW-390	09/23/2019		1.1200		
Cadmium	ug/L	MW-390	03/09/2020		0.4670		
Cadmium	ug/L	MW-390	09/17/2020		0.1080		
Cadmium	ug/L	MW-390	04/14/2021		0.5250		
Cadmium	ug/L	MW-390	10/26/2021		0.3080		
Cadmium	ug/L	MW-390	04/14/2022		1.1900		
Cadmium	ug/L	MW-390	09/01/2022	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-390	03/06/2023	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-390	09/29/2023	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-390	03/18/2024	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-390	10/03/2024	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-390	03/25/2025	ND	0.2000	0.5000	**
Chromium	ug/L	MW-390	09/18/2012	ND	20.0000	4.4000	**
Chromium	ug/L	MW-390	03/27/2013	ND	20.0000	4.4000	**
Chromium	ug/L	MW-390	09/25/2013		5.5100		
Chromium	ug/L	MW-390	04/15/2014	ND	20.0000	4.4000	**
Chromium	ug/L	MW-390	09/01/2015	ND	5.0000	4.4000	**
Chromium	ug/L	MW-390	03/22/2016		0.5420		
Chromium	ug/L	MW-390	10/21/2016		1.0200		
Chromium	ug/L	MW-390	03/08/2017	ND	0.7290	4.4000	**
Chromium	ug/L	MW-390	09/25/2017	ND	0.7290	4.4000	**
Chromium	ug/L	MW-390	03/13/2018	ND	2.9200	4.4000	**
Chromium	ug/L	MW-390	10/01/2018		2.0600		
Chromium	ug/L	MW-390	03/27/2019	ND	0.9800	4.4000	**
Chromium	ug/L	MW-390	09/23/2019	ND	3.9200	4.4000	**
Chromium	ug/L	MW-390	03/09/2020	ND	1.1000	4.4000	**
Chromium	ug/L	MW-390	09/17/2020	ND	1.1000	4.4000	**
Chromium	ug/L	MW-390	04/14/2021	ND	1.1000	4.4000	**
Chromium	ug/L	MW-390	10/26/2021	ND	1.1000	4.4000	**
Chromium	ug/L	MW-390	04/14/2022	ND	4.4000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium	ug/L	MW-390	09/01/2022	ND	8.0000	4.4000	**
Chromium	ug/L	MW-390	03/06/2023	ND	8.0000	4.4000	**
Chromium	ug/L	MW-390	09/29/2023	ND	8.0000	4.4000	**
Chromium	ug/L	MW-390	03/18/2024	ND	8.0000	4.4000	**
Chromium	ug/L	MW-390	10/03/2024	ND	8.0000	4.4000	**
Chromium	ug/L	MW-390	03/25/2025		1.1000		
Cobalt	ug/L	MW-390	09/18/2012		108.0000		
Cobalt	ug/L	MW-390	03/27/2013		123.0000		
Cobalt	ug/L	MW-390	09/25/2013		97.7000		
Cobalt	ug/L	MW-390	04/15/2014		103.0000		
Cobalt	ug/L	MW-390	09/01/2015		108.0000		
Cobalt	ug/L	MW-390	03/22/2016		92.9000		
Cobalt	ug/L	MW-390	10/21/2016		90.4000		
Cobalt	ug/L	MW-390	03/08/2017		120.0000		
Cobalt	ug/L	MW-390	09/25/2017		107.0000		
Cobalt	ug/L	MW-390	03/13/2018		98.2000		
Cobalt	ug/L	MW-390	10/01/2018		98.9000		
Cobalt	ug/L	MW-390	03/27/2019		114.0000		
Cobalt	ug/L	MW-390	09/23/2019		112.0000		
Cobalt	ug/L	MW-390	03/09/2020		102.0000		
Cobalt	ug/L	MW-390	09/17/2020		108.0000		
Cobalt	ug/L	MW-390	04/14/2021		110.0000		
Cobalt	ug/L	MW-390	10/26/2021		113.0000		
Cobalt	ug/L	MW-390	04/14/2022		106.0000		
Cobalt	ug/L	MW-390	09/01/2022		103.0000		
Cobalt	ug/L	MW-390	03/06/2023		113.0000		
Cobalt	ug/L	MW-390	09/29/2023		96.9000		
Cobalt	ug/L	MW-390	03/18/2024		107.0000		
Cobalt	ug/L	MW-390	10/03/2024		111.0000		
Cobalt	ug/L	MW-390	03/25/2025		106.0000		
Copper	ug/L	MW-390	09/18/2012	ND	20.0000	4.0000	**
Copper	ug/L	MW-390	03/27/2013	ND	20.0000	4.0000	**
Copper	ug/L	MW-390	09/25/2013	ND	20.0000	4.0000	**
Copper	ug/L	MW-390	04/15/2014	ND	20.0000	4.0000	**
Copper	ug/L	MW-390	09/01/2015	ND	2.0000	4.0000	**
Copper	ug/L	MW-390	03/22/2016	ND	1.2200	4.0000	**
Copper	ug/L	MW-390	10/21/2016	ND	1.2200	4.0000	**
Copper	ug/L	MW-390	03/08/2017	ND	2.1900	4.0000	**
Copper	ug/L	MW-390	09/25/2017	ND	2.1900	4.0000	**
Copper	ug/L	MW-390	03/13/2018	ND	8.7600	4.0000	**
Copper	ug/L	MW-390	10/01/2018		1.5500		
Copper	ug/L	MW-390	03/27/2019	ND	2.0000	4.0000	**
Copper	ug/L	MW-390	09/23/2019	ND	8.0000	4.0000	**
Copper	ug/L	MW-390	03/09/2020	ND	3.2000	4.0000	**
Copper	ug/L	MW-390	09/17/2020	ND	1.5000	4.0000	**
Copper	ug/L	MW-390	04/14/2021	ND	1.4000	4.0000	**
Copper	ug/L	MW-390	10/26/2021	ND	1.4000	4.0000	**
Copper	ug/L	MW-390	04/14/2022	ND	7.2000	4.0000	**
Copper	ug/L	MW-390	09/01/2022	ND	4.0000		
Copper	ug/L	MW-390	03/06/2023	ND	4.0000		
Copper	ug/L	MW-390	09/29/2023	ND	4.0000		
Copper	ug/L	MW-390	03/18/2024	ND	4.0000		
Copper	ug/L	MW-390	10/03/2024	ND	4.0000		
Copper	ug/L	MW-390	03/25/2025	ND	5.0000	4.0000	**
Lead	ug/L	MW-390	09/18/2012	ND	4.0000	1.3000	**
Lead	ug/L	MW-390	03/27/2013	ND	4.0000	1.3000	**
Lead	ug/L	MW-390	09/25/2013	ND	4.0000	1.3000	**
Lead	ug/L	MW-390	04/15/2014	ND	4.0000	1.3000	**
Lead	ug/L	MW-390	09/01/2015		0.7200		
Lead	ug/L	MW-390	03/22/2016	ND	0.2110	1.3000	**
Lead	ug/L	MW-390	10/21/2016		2.8600		
Lead	ug/L	MW-390	03/08/2017	ND	0.3240	1.3000	**
Lead	ug/L	MW-390	09/25/2017	ND	0.3240	1.3000	**
Lead	ug/L	MW-390	03/13/2018	ND	1.3000		
Lead	ug/L	MW-390	10/01/2018		0.8710		
Lead	ug/L	MW-390	03/27/2019	ND	0.2700	1.3000	**
Lead	ug/L	MW-390	09/23/2019		2.9400		
Lead	ug/L	MW-390	03/09/2020		2.2700		
Lead	ug/L	MW-390	09/17/2020		0.4100		
Lead	ug/L	MW-390	04/14/2021		1.7300		
Lead	ug/L	MW-390	10/26/2021		2.3800		
Lead	ug/L	MW-390	04/14/2022		4.7800		
Lead	ug/L	MW-390	09/01/2022	ND	4.0000	1.3000	**
Lead	ug/L	MW-390	03/06/2023	ND	4.0000	1.3000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead	ug/L	MW-390	09/29/2023	ND	4.0000	1.3000	**
Lead	ug/L	MW-390	03/18/2024	ND	4.0000	1.3000	**
Lead	ug/L	MW-390	10/03/2024	ND	4.0000	1.3000	**
Lead	ug/L	MW-390	03/25/2025	ND	1.0000	1.3000	**
Nickel	ug/L	MW-390	09/18/2012	ND	50.0000		
Nickel	ug/L	MW-390	03/27/2013		63.8000		
Nickel	ug/L	MW-390	09/25/2013		60.3000		
Nickel	ug/L	MW-390	04/15/2014		51.0000		
Nickel	ug/L	MW-390	09/01/2015		54.5000		
Nickel	ug/L	MW-390	03/22/2016		45.4000		
Nickel	ug/L	MW-390	10/21/2016		49.7000		
Nickel	ug/L	MW-390	03/08/2017		61.3000		
Nickel	ug/L	MW-390	09/25/2017		45.4000		
Nickel	ug/L	MW-390	03/13/2018		48.3000		
Nickel	ug/L	MW-390	10/01/2018		47.7000		
Nickel	ug/L	MW-390	03/27/2019		54.6000		
Nickel	ug/L	MW-390	09/23/2019		60.7000		
Nickel	ug/L	MW-390	03/09/2020		54.0000		
Nickel	ug/L	MW-390	09/17/2020		58.4000		
Nickel	ug/L	MW-390	04/14/2021		55.1000		
Nickel	ug/L	MW-390	10/26/2021		53.8000		
Nickel	ug/L	MW-390	04/14/2022		56.0000		
Nickel	ug/L	MW-390	09/01/2022		53.5000		
Nickel	ug/L	MW-390	03/06/2023		62.0000		
Nickel	ug/L	MW-390	09/29/2023		50.0000		
Nickel	ug/L	MW-390	03/18/2024		54.1000		
Nickel	ug/L	MW-390	10/03/2024		56.7000		
Nickel	ug/L	MW-390	03/25/2025		42.8000		
Selenium	ug/L	MW-390	09/18/2012	ND	5.0000	3.8400	**
Selenium	ug/L	MW-390	03/27/2013	ND	5.0000	3.8400	**
Selenium	ug/L	MW-390	09/25/2013	ND	5.0000	3.8400	**
Selenium	ug/L	MW-390	04/15/2014	ND	5.0000	3.8400	**
Selenium	ug/L	MW-390	09/01/2015	ND	5.0000	3.8400	**
Selenium	ug/L	MW-390	03/22/2016	ND	0.6300	3.8400	**
Selenium	ug/L	MW-390	10/21/2016	ND	0.6300	3.8400	**
Selenium	ug/L	MW-390	03/08/2017	ND	0.9280	3.8400	**
Selenium	ug/L	MW-390	09/25/2017	ND	0.9280	3.8400	**
Selenium	ug/L	MW-390	03/13/2018	ND	3.7100	3.8400	**
Selenium	ug/L	MW-390	10/01/2018	ND	0.9820	3.8400	**
Selenium	ug/L	MW-390	03/27/2019	ND	1.0000	3.8400	**
Selenium	ug/L	MW-390	09/23/2019	ND	4.0000	3.8400	**
Selenium	ug/L	MW-390	03/09/2020	ND	1.0000	3.8400	**
Selenium	ug/L	MW-390	09/17/2020	ND	1.0000	3.8400	**
Selenium	ug/L	MW-390	04/14/2021	ND	0.9600	3.8400	**
Selenium	ug/L	MW-390	10/26/2021	ND	0.9600	3.8400	**
Selenium	ug/L	MW-390	04/14/2022	ND	3.8400		
Selenium	ug/L	MW-390	09/01/2022	ND	4.0000	3.8400	**
Selenium	ug/L	MW-390	03/06/2023	ND	4.0000	3.8400	**
Selenium	ug/L	MW-390	09/29/2023	ND	4.0000	3.8400	**
Selenium	ug/L	MW-390	03/18/2024	ND	4.0000	3.8400	**
Selenium	ug/L	MW-390	10/03/2024	ND	4.0000	3.8400	**
Selenium	ug/L	MW-390	03/25/2025	ND	2.0000	3.8400	**
Silver	ug/L	MW-390	09/18/2012	ND	20.0000	1.4000	**
Silver	ug/L	MW-390	03/27/2013	ND	20.0000	1.4000	**
Silver	ug/L	MW-390	09/25/2013	ND	20.0000	1.4000	**
Silver	ug/L	MW-390	04/15/2014	ND	20.0000	1.4000	**
Silver	ug/L	MW-390	09/01/2015	ND	1.0000	1.4000	**
Silver	ug/L	MW-390	03/22/2016	ND	0.1530	1.4000	**
Silver	ug/L	MW-390	10/21/2016	ND	0.1530	1.4000	**
Silver	ug/L	MW-390	03/08/2017	ND	0.1400	1.4000	**
Silver	ug/L	MW-390	09/25/2017		0.1730		
Silver	ug/L	MW-390	03/13/2018	ND	0.5600	1.4000	**
Silver	ug/L	MW-390	10/01/2018	ND	0.1150	1.4000	**
Silver	ug/L	MW-390	03/27/2019	ND	0.3700	1.4000	**
Silver	ug/L	MW-390	09/23/2019	ND	1.4800	1.4000	**
Silver	ug/L	MW-390	03/09/2020	ND	0.3700	1.4000	**
Silver	ug/L	MW-390	09/17/2020	ND	0.3700	1.4000	**
Silver	ug/L	MW-390	04/14/2021	ND	0.4200	1.4000	**
Silver	ug/L	MW-390	10/26/2021	ND	0.4200	1.4000	**
Silver	ug/L	MW-390	04/14/2022	ND	1.9600	1.4000	**
Silver	ug/L	MW-390	09/01/2022	ND	4.0000	1.4000	**
Silver	ug/L	MW-390	03/06/2023	ND	4.0000	1.4000	**
Silver	ug/L	MW-390	09/29/2023	ND	4.0000	1.4000	**
Silver	ug/L	MW-390	03/18/2024	ND	4.0000	1.4000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Silver	ug/L	MW-390	10/03/2024	ND	4.0000	1.4000	**
Silver	ug/L	MW-390	03/25/2025	ND	5.0000	1.4000	**
Thallium	ug/L	MW-390	09/18/2012	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	03/27/2013	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	09/25/2013	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	04/15/2014	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	09/01/2015	ND	1.0000		
Thallium	ug/L	MW-390	03/22/2016	ND	0.0255	1.0000	**
Thallium	ug/L	MW-390	10/21/2016		0.0450		
Thallium	ug/L	MW-390	03/08/2017	ND	0.0644	1.0000	**
Thallium	ug/L	MW-390	09/25/2017	ND	0.0644	1.0000	**
Thallium	ug/L	MW-390	03/13/2018	ND	0.2580	1.0000	**
Thallium	ug/L	MW-390	10/01/2018	ND	0.5700	1.0000	**
Thallium	ug/L	MW-390	03/27/2019	ND	0.2700	1.0000	**
Thallium	ug/L	MW-390	09/23/2019	ND	1.0800	1.0000	**
Thallium	ug/L	MW-390	03/09/2020	ND	0.2600	1.0000	**
Thallium	ug/L	MW-390	09/17/2020	ND	0.2600	1.0000	**
Thallium	ug/L	MW-390	04/14/2021		1.1700		
Thallium	ug/L	MW-390	10/26/2021	ND	0.2600	1.0000	**
Thallium	ug/L	MW-390	04/14/2022	ND	1.0400	1.0000	**
Thallium	ug/L	MW-390	09/01/2022	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	03/06/2023	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	09/29/2023	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	03/18/2024	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	10/03/2024	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	03/25/2025	ND	0.5000	1.0000	**
Vanadium	ug/L	MW-390	09/18/2012	ND	50.0000	3.3600	**
Vanadium	ug/L	MW-390	03/27/2013		8.9100		
Vanadium	ug/L	MW-390	09/25/2013	ND	50.0000	3.3600	**
Vanadium	ug/L	MW-390	04/15/2014	ND	50.0000	3.3600	**
Vanadium	ug/L	MW-390	09/01/2015	ND	5.0000	3.3600	**
Vanadium	ug/L	MW-390	03/22/2016		0.3780		
Vanadium	ug/L	MW-390	10/21/2016		0.6690		
Vanadium	ug/L	MW-390	03/08/2017	ND	0.8400	3.3600	**
Vanadium	ug/L	MW-390	09/25/2017	ND	0.8400	3.3600	**
Vanadium	ug/L	MW-390	03/13/2018	ND	3.3600		
Vanadium	ug/L	MW-390	10/01/2018	ND	2.1500	3.3600	**
Vanadium	ug/L	MW-390	03/27/2019	ND	0.8200	3.3600	**
Vanadium	ug/L	MW-390	09/23/2019	ND	3.2800	3.3600	**
Vanadium	ug/L	MW-390	03/09/2020	ND	0.8200	3.3600	**
Vanadium	ug/L	MW-390	09/17/2020	ND	0.8500	3.3600	**
Vanadium	ug/L	MW-390	04/14/2021	ND	1.1000	3.3600	**
Vanadium	ug/L	MW-390	10/26/2021	ND	1.1000	3.3600	**
Vanadium	ug/L	MW-390	04/14/2022	ND	4.4000	3.3600	**
Vanadium	ug/L	MW-390	09/01/2022	ND	20.0000	3.3600	**
Vanadium	ug/L	MW-390	03/06/2023	ND	20.0000	3.3600	**
Vanadium	ug/L	MW-390	09/29/2023	ND	20.0000	3.3600	**
Vanadium	ug/L	MW-390	03/18/2024	ND	20.0000	3.3600	**
Vanadium	ug/L	MW-390	10/03/2024	ND	20.0000	3.3600	**
Vanadium	ug/L	MW-390	03/25/2025	ND	2.0000	3.3600	**
Zinc	ug/L	MW-390	09/18/2012		94.0000		
Zinc	ug/L	MW-390	03/27/2013		207.0000		
Zinc	ug/L	MW-390	09/25/2013		200.0000		
Zinc	ug/L	MW-390	04/15/2014		27.3000		
Zinc	ug/L	MW-390	09/01/2015		48.8000		
Zinc	ug/L	MW-390	03/22/2016	ND	5.2100		*
Zinc	ug/L	MW-390	10/21/2016		101.0000		
Zinc	ug/L	MW-390	03/08/2017		308.0000		
Zinc	ug/L	MW-390	09/25/2017		65.0000		
Zinc	ug/L	MW-390	03/13/2018		100.0000		
Zinc	ug/L	MW-390	10/01/2018		85.6000		
Zinc	ug/L	MW-390	03/27/2019		75.7000		
Zinc	ug/L	MW-390	09/23/2019		293.0000		
Zinc	ug/L	MW-390	03/09/2020		118.0000		
Zinc	ug/L	MW-390	09/17/2020		94.3000		
Zinc	ug/L	MW-390	04/14/2021		192.0000		
Zinc	ug/L	MW-390	10/26/2021		56.2000		
Zinc	ug/L	MW-390	04/14/2022		487.0000		
Zinc	ug/L	MW-390	09/01/2022		107.0000		
Zinc	ug/L	MW-390	03/06/2023		115.0000		
Zinc	ug/L	MW-390	09/29/2023		122.0000		
Zinc	ug/L	MW-390	03/18/2024		184.0000		
Zinc	ug/L	MW-390	10/03/2024		170.0000		
Zinc	ug/L	MW-390	03/25/2025		127.0000		

* - 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	ug/L	GU-4AR	03/25/2025	ND	1.0000		4.4000
Arsenic	ug/L	GU-4AR	03/25/2025	ND	2.0000		22.5000
Barium	ug/L	GU-4AR	03/25/2025		11.4000		49.9000
Beryllium	ug/L	GU-4AR	03/25/2025	ND	0.5000		1.0000
Cadmium	ug/L	GU-4AR	03/25/2025	ND	0.2000		1.1900
Chromium	ug/L	GU-4AR	03/25/2025	ND	1.0000		5.5100
Cobalt	ug/L	GU-4AR	03/25/2025		53.3000		139.4531
Copper	ug/L	GU-4AR	03/25/2025	ND	5.0000		7.9900
Lead	ug/L	GU-4AR	03/25/2025	ND	1.0000		4.7800
Nickel	ug/L	GU-4AR	03/25/2025		81.0000		142.7589
Selenium	ug/L	GU-4AR	03/25/2025	ND	2.0000		6.4000
Silver	ug/L	GU-4AR	03/25/2025	ND	5.0000		1.4000
Thallium	ug/L	GU-4AR	03/25/2025	ND	0.5000		1.1700
Vanadium	ug/L	GU-4AR	03/25/2025	ND	2.0000		8.9100
Zinc	ug/L	GU-4AR	03/25/2025		218.0000		12664.9132
Antimony	ug/L	MW-300	03/25/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-300	03/25/2025	ND	2.0000		22.5000
Barium	ug/L	MW-300	03/25/2025		12.4000		49.9000
Beryllium	ug/L	MW-300	03/25/2025		1.1000	*	1.0000
Cadmium	ug/L	MW-300	03/25/2025		0.5000		1.1900
Chromium	ug/L	MW-300	03/25/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-300	03/25/2025		462.0000	***	139.4531
Copper	ug/L	MW-300	03/25/2025	ND	5.0000		7.9900
Lead	ug/L	MW-300	03/25/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-300	03/25/2025		540.0000	***	142.7589
Selenium	ug/L	MW-300	03/25/2025	ND	2.0000		6.4000
Silver	ug/L	MW-300	03/25/2025	ND	5.0000		1.4000
Thallium	ug/L	MW-300	03/25/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-300	03/25/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-300	03/25/2025		712.0000		12664.9132
Antimony	ug/L	MW-303	03/25/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-303	03/25/2025	ND	2.0000		22.5000
Barium	ug/L	MW-303	03/25/2025		72.9000	***	49.9000
Beryllium	ug/L	MW-303	03/25/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-303	03/25/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-303	03/25/2025		1.2000		5.5100
Cobalt	ug/L	MW-303	03/25/2025		10.6000		139.4531
Copper	ug/L	MW-303	03/25/2025	ND	5.0000		7.9900
Lead	ug/L	MW-303	03/25/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-303	03/25/2025		18.2000		142.7589
Selenium	ug/L	MW-303	03/25/2025	ND	2.0000		6.4000
Silver	ug/L	MW-303	03/25/2025	ND	5.0000		1.4000
Thallium	ug/L	MW-303	03/25/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-303	03/25/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-303	03/25/2025		5.8000		12664.9132
Antimony	ug/L	MW-304	03/25/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-304	03/25/2025	ND	2.0000		22.5000
Barium	ug/L	MW-304	03/25/2025		82.9000	***	49.9000
Beryllium	ug/L	MW-304	03/25/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-304	03/25/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-304	03/25/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-304	03/25/2025		3.2000		139.4531
Copper	ug/L	MW-304	03/25/2025	ND	5.0000		7.9900
Lead	ug/L	MW-304	03/25/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-304	03/25/2025	ND	5.0000		142.7589
Selenium	ug/L	MW-304	03/25/2025	ND	2.0000		6.4000
Silver	ug/L	MW-304	03/25/2025	ND	5.0000		1.4000
Thallium	ug/L	MW-304	03/25/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-304	03/25/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-304	03/25/2025	ND	5.0000		12664.9132
Antimony	ug/L	MW-313	03/25/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-313	03/25/2025		4.6000		22.5000
Barium	ug/L	MW-313	03/25/2025		21.8000		49.9000
Beryllium	ug/L	MW-313	03/25/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-313	03/25/2025		0.2000		1.1900
Chromium	ug/L	MW-313	03/25/2025		1.3000		5.5100
Cobalt	ug/L	MW-313	03/25/2025	ND	0.5000		139.4531
Copper	ug/L	MW-313	03/25/2025	ND	5.0000		7.9900
Lead	ug/L	MW-313	03/25/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-313	03/25/2025		6.6000		142.7589
Selenium	ug/L	MW-313	03/25/2025	ND	2.0000		6.4000
Silver	ug/L	MW-313	03/25/2025	ND	5.0000		1.4000

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Thallium	ug/L	MW-313	03/25/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-313	03/25/2025		4.8000		8.9100
Zinc	ug/L	MW-313	03/25/2025		7.8000		12664.9132
Antimony	ug/L	MW-335	03/25/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-335	03/25/2025		3.5000		22.5000
Barium	ug/L	MW-335	03/25/2025		14.3000		49.9000
Beryllium	ug/L	MW-335	03/25/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-335	03/25/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-335	03/25/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-335	03/25/2025		34.7000		139.4531
Copper	ug/L	MW-335	03/25/2025	ND	5.0000		7.9900
Lead	ug/L	MW-335	03/25/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-335	03/25/2025		44.4000		142.7589
Selenium	ug/L	MW-335	03/25/2025	ND	2.0000		6.4000
Silver	ug/L	MW-335	03/25/2025	ND	5.0000		1.4000
Thallium	ug/L	MW-335	03/25/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-335	03/25/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-335	03/25/2025		28.2000		12664.9132
Antimony	ug/L	MW-344	03/25/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-344	03/25/2025	ND	2.0000		22.5000
Barium	ug/L	MW-344	03/25/2025		12.6000		49.9000
Beryllium	ug/L	MW-344	03/25/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-344	03/25/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-344	03/25/2025		1.1000		5.5100
Cobalt	ug/L	MW-344	03/25/2025		220.0000	***	139.4531
Copper	ug/L	MW-344	03/25/2025	ND	5.0000		7.9900
Lead	ug/L	MW-344	03/25/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-344	03/25/2025		147.0000	*	142.7589
Selenium	ug/L	MW-344	03/25/2025	ND	2.0000		6.4000
Silver	ug/L	MW-344	03/25/2025	ND	5.0000		1.4000
Thallium	ug/L	MW-344	03/25/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-344	03/25/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-344	03/25/2025		19.3000		12664.9132
Antimony	ug/L	MW-380	03/25/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-380	03/25/2025	ND	2.0000		22.5000
Barium	ug/L	MW-380	03/25/2025		9.1000		49.9000
Beryllium	ug/L	MW-380	03/25/2025		0.6000		1.0000
Cadmium	ug/L	MW-380	03/25/2025		5.6000	*	1.1900
Chromium	ug/L	MW-380	03/25/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-380	03/25/2025		115.0000	**	139.4531
Copper	ug/L	MW-380	03/25/2025	ND	5.0000		7.9900
Lead	ug/L	MW-380	03/25/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-380	03/25/2025		237.0000	***	142.7589
Selenium	ug/L	MW-380	03/25/2025	ND	2.0000		6.4000
Silver	ug/L	MW-380	03/25/2025	ND	5.0000		1.4000
Thallium	ug/L	MW-380	03/25/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-380	03/25/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-380	03/25/2025		1570.0000		12664.9132
Antimony	ug/L	MW-381	03/25/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-381	03/25/2025	ND	2.0000		22.5000
Barium	ug/L	MW-381	03/25/2025		8.4000		49.9000
Beryllium	ug/L	MW-381	03/25/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-381	03/25/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-381	03/25/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-381	03/25/2025	ND	0.5000		139.4531
Copper	ug/L	MW-381	03/25/2025	ND	5.0000		7.9900
Lead	ug/L	MW-381	03/25/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-381	03/25/2025	ND	5.0000		142.7589
Selenium	ug/L	MW-381	03/25/2025	ND	2.0000		6.4000
Silver	ug/L	MW-381	03/25/2025	ND	5.0000		1.4000
Thallium	ug/L	MW-381	03/25/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-381	03/25/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-381	03/25/2025	ND	5.0000		12664.9132
Antimony	ug/L	MW-382R	03/25/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-382R	03/25/2025	ND	2.0000		22.5000
Barium	ug/L	MW-382R	03/25/2025		23.4000		49.9000
Beryllium	ug/L	MW-382R	03/25/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-382R	03/25/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-382R	03/25/2025		1.0000		5.5100
Cobalt	ug/L	MW-382R	03/25/2025		0.9000		139.4531
Copper	ug/L	MW-382R	03/25/2025	ND	5.0000		7.9900
Lead	ug/L	MW-382R	03/25/2025	ND	1.0000		4.7800

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Nickel	ug/L	MW-382R	03/25/2025		5.4000		142.7589
Selenium	ug/L	MW-382R	03/25/2025	ND	2.0000		6.4000
Silver	ug/L	MW-382R	03/25/2025	ND	5.0000		1.4000
Thallium	ug/L	MW-382R	03/25/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-382R	03/25/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-382R	03/25/2025	ND	5.0000		12664.9132
Antimony	ug/L	MW-601	03/25/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-601	03/25/2025	ND	2.0000		22.5000
Barium	ug/L	MW-601	03/25/2025		20.6000		49.9000
Beryllium	ug/L	MW-601	03/25/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-601	03/25/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-601	03/25/2025		3.3000		5.5100
Cobalt	ug/L	MW-601	03/25/2025		1.1000		139.4531
Copper	ug/L	MW-601	03/25/2025	ND	5.0000		7.9900
Lead	ug/L	MW-601	03/25/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-601	03/25/2025	ND	5.0000		142.7589
Selenium	ug/L	MW-601	03/25/2025	ND	2.0000		6.4000
Silver	ug/L	MW-601	03/25/2025	ND	5.0000		1.4000
Thallium	ug/L	MW-601	03/25/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-601	03/25/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-601	03/25/2025	ND	5.0000		12664.9132
Antimony	ug/L	MW-602	03/25/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-602	03/25/2025	ND	2.0000		22.5000
Barium	ug/L	MW-602	03/25/2025		9.7000		49.9000
Beryllium	ug/L	MW-602	03/25/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-602	03/25/2025		0.2000		1.1900
Chromium	ug/L	MW-602	03/25/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-602	03/25/2025		185.0000	***	139.4531
Copper	ug/L	MW-602	03/25/2025	ND	5.0000		7.9900
Lead	ug/L	MW-602	03/25/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-602	03/25/2025		254.0000	***	142.7589
Selenium	ug/L	MW-602	03/25/2025	ND	2.0000		6.4000
Silver	ug/L	MW-602	03/25/2025	ND	5.0000		1.4000
Thallium	ug/L	MW-602	03/25/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-602	03/25/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-602	03/25/2025		114.0000		12664.9132
Antimony	ug/L	MW-603	03/25/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-603	03/25/2025		4.6000		22.5000
Barium	ug/L	MW-603	03/25/2025		20.7000		49.9000
Beryllium	ug/L	MW-603	03/25/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-603	03/25/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-603	03/25/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-603	03/25/2025		14.1000		139.4531
Copper	ug/L	MW-603	03/25/2025	ND	5.0000		7.9900
Lead	ug/L	MW-603	03/25/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-603	03/25/2025		6.2000		142.7589
Selenium	ug/L	MW-603	03/25/2025	ND	2.0000		6.4000
Silver	ug/L	MW-603	03/25/2025	ND	5.0000		1.4000
Thallium	ug/L	MW-603	03/25/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-603	03/25/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-603	03/25/2025		6.4000		12664.9132
Antimony	ug/L	MW-604	03/25/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-604	03/25/2025	ND	2.0000		22.5000
Barium	ug/L	MW-604	03/25/2025		19.9000		49.9000
Beryllium	ug/L	MW-604	03/25/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-604	03/25/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-604	03/25/2025		1.1000		5.5100
Cobalt	ug/L	MW-604	03/25/2025		89.0000		139.4531
Copper	ug/L	MW-604	03/25/2025	ND	5.0000		7.9900
Lead	ug/L	MW-604	03/25/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-604	03/25/2025		104.0000		142.7589
Selenium	ug/L	MW-604	03/25/2025	ND	2.0000		6.4000
Silver	ug/L	MW-604	03/25/2025	ND	5.0000		1.4000
Thallium	ug/L	MW-604	03/25/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-604	03/25/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-604	03/25/2025		17.6000		12664.9132

* - 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	1	74	0.014	14	354	0.040
Arsenic	51	72	0.708	153	358	0.427
Barium	71	74	0.959	343	359	0.955
Beryllium	17	74	0.230	51	358	0.142
Cadmium	26	74	0.351	127	359	0.354
Chromium	8	74	0.108	33	356	0.093
Cobalt	73	73	1.000	326	358	0.911
Copper	7	74	0.095	42	357	0.118
Lead	14	74	0.189	61	358	0.170
Nickel	73	74	0.986	294	358	0.821
Selenium	8	74	0.108	22	358	0.061
Silver	1	72	0.014	7	357	0.020
Thallium	5	74	0.068	27	358	0.075
Vanadium	3	73	0.041	39	358	0.109
Zinc	56	72	0.778	230	359	0.641

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	1	74	0.014									nonpar
Arsenic	51	72	0.708	3.127	4.600					2.326	non-norm	nonpar
Barium	71	74	0.959	5.562	3.484					2.326	non-norm	nonpar
Beryllium	17	74	0.230	0.057	0.817					2.326	normal	nonpar
Cadmium	26	74	0.351	5.434	2.856					2.326	non-norm	nonpar
Chromium	8	74	0.108	1.587	0.686					2.326	normal	nonpar
Cobalt	73	73	1.000	0.468	0.397					2.326	normal	normal
Copper	7	74	0.095	1.104	0.126					2.326	normal	nonpar
Lead	14	74	0.189	0.581	0.573					2.326	normal	nonpar
Nickel	73	74	0.986	0.831	1.137					2.326	normal	normal
Selenium	8	74	0.108	3.344	1.069					2.326	lognor	nonpar
Silver	1	72	0.014									nonpar
Thallium	5	74	0.068									nonpar
Vanadium	3	73	0.041	1.578	0.451					2.326	normal	nonpar
Zinc	56	72	0.778	4.918	0.199					2.326	lognor	lognor

* - Distribution override for that constituent.

Fit to distribution is confirmed if $G \leq$ critical value.

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

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony	ug/L	1	74					4.4000	nonpar		0.99
Arsenic	ug/L	51	72					22.5000	nonpar		0.99
Barium	ug/L	71	74					49.9000	nonpar		0.99
Beryllium	ug/L	17	74					1.0000	nonpar	***	0.99
Cadmium	ug/L	26	74					1.1900	nonpar		0.99
Chromium	ug/L	8	74					5.5100	nonpar		0.99
Cobalt	ug/L	73	73	64.4055	31.3288	0.0100	2.3955	139.4531	normal		
Copper	ug/L	7	74					7.9900	nonpar		0.99
Lead	ug/L	14	74					4.7800	nonpar		0.99
Nickel	ug/L	73	74	76.3054	27.7523	0.0100	2.3945	142.7589	normal		
Selenium	ug/L	8	74					6.4000	nonpar		0.99
Silver	ug/L	1	72					1.4000	nonpar	***	0.99
Thallium	ug/L	5	74					1.1700	nonpar		0.99
Vanadium	ug/L	3	73					8.9100	nonpar		0.99
Zinc	ug/L	56	72	3.8769	2.3241	0.0100	2.3965	12664.9132	lognor		

Conf = confidence level for passing initial test or one of two verification resamples 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
Arsenic	ug/L	MW-307	10/28/2021	0.7500	< 0.7500	09/18/2012-03/25/2025	24	0.4969
Arsenic	ug/L	MW-307	09/29/2023	31.9000		09/18/2012-03/25/2025	24	0.4969
Cobalt	ug/L	MW-307	10/28/2021	14.8000		09/18/2012-03/25/2025	24	0.4969
Zinc	ug/L	MW-307	10/28/2021	10.6000		09/18/2012-03/25/2025	24	0.4969
Zinc	ug/L	MW-390	03/22/2016	5.2100	< 5.2100	09/18/2012-03/25/2025	24	0.4969

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
Beryllium	ug/L	MW-300	03/25/2008	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	04/22/2008	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	07/26/2008	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	08/27/2008		1.3200 *	1.0000
Beryllium	ug/L	MW-300	09/24/2008	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	03/17/2009		2.5600 *	1.0000
Beryllium	ug/L	MW-300	09/24/2009	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	03/25/2010	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	09/23/2010	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	03/29/2011	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	09/22/2011	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	03/15/2012	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	09/18/2012	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	03/27/2013	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	09/25/2013		0.2300	1.0000
Beryllium	ug/L	MW-300	04/16/2014	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	09/26/2014		0.1380	1.0000
Beryllium	ug/L	MW-300	03/12/2015	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	09/02/2015	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	03/23/2016	ND	0.2210	1.0000
Beryllium	ug/L	MW-300	10/20/2016	ND	0.2210	1.0000
Beryllium	ug/L	MW-300	03/07/2017		0.1490	1.0000
Beryllium	ug/L	MW-300	09/26/2017	ND	1.2500	1.0000
Beryllium	ug/L	MW-300	03/14/2018	ND	0.5000	1.0000
Beryllium	ug/L	MW-300	10/02/2018	ND	0.5300	1.0000
Beryllium	ug/L	MW-300	03/28/2019	ND	1.0800	1.0000
Beryllium	ug/L	MW-300	09/24/2019	ND	1.0800	1.0000
Beryllium	ug/L	MW-300	03/10/2020	ND	0.2700	1.0000
Beryllium	ug/L	MW-300	09/15/2020	ND	0.2700	1.0000
Beryllium	ug/L	MW-300	04/15/2021	ND	0.2700	1.0000
Beryllium	ug/L	MW-300	10/27/2021	ND	0.2700	1.0000
Beryllium	ug/L	MW-300	04/13/2022	ND	1.0800	1.0000
Beryllium	ug/L	MW-300	09/01/2022	ND	4.0000	1.0000
Beryllium	ug/L	MW-300	03/06/2023	ND	4.0000	1.0000
Beryllium	ug/L	MW-300	09/29/2023	ND	4.0000	1.0000
Beryllium	ug/L	MW-300	03/19/2024	ND	4.0000	1.0000
Beryllium	ug/L	MW-300	10/03/2024	ND	4.0000	1.0000
Beryllium	ug/L	MW-300	03/25/2025		1.1000 *	1.0000
Cobalt	ug/L	MW-300	03/25/2008		630.0000 *	139.4531
Cobalt	ug/L	MW-300	04/22/2008		458.0000 *	139.4531
Cobalt	ug/L	MW-300	07/26/2008		413.0000 *	139.4531
Cobalt	ug/L	MW-300	08/27/2008		493.0000 *	139.4531
Cobalt	ug/L	MW-300	09/24/2008		555.0000 *	139.4531
Cobalt	ug/L	MW-300	03/17/2009		325.0000 *	139.4531
Cobalt	ug/L	MW-300	09/24/2009		350.0000 *	139.4531
Cobalt	ug/L	MW-300	03/25/2010		370.0000 *	139.4531
Cobalt	ug/L	MW-300	09/23/2010		437.0000 *	139.4531
Cobalt	ug/L	MW-300	03/29/2011		357.0000 *	139.4531
Cobalt	ug/L	MW-300	09/22/2011		304.0000 *	139.4531
Cobalt	ug/L	MW-300	03/15/2012		225.0000 *	139.4531
Cobalt	ug/L	MW-300	09/18/2012		357.0000 *	139.4531
Cobalt	ug/L	MW-300	03/27/2013		330.0000 *	139.4531
Cobalt	ug/L	MW-300	09/25/2013		332.0000 *	139.4531
Cobalt	ug/L	MW-300	04/16/2014		42.3000	139.4531
Cobalt	ug/L	MW-300	09/26/2014		289.0000 *	139.4531
Cobalt	ug/L	MW-300	03/12/2015		251.0000 *	139.4531
Cobalt	ug/L	MW-300	09/02/2015		383.0000 *	139.4531
Cobalt	ug/L	MW-300	03/23/2016		328.0000 *	139.4531
Cobalt	ug/L	MW-300	10/20/2016		337.0000 *	139.4531
Cobalt	ug/L	MW-300	03/07/2017		315.0000 *	139.4531
Cobalt	ug/L	MW-300	09/26/2017		306.0000 *	139.4531
Cobalt	ug/L	MW-300	03/14/2018		143.0000 *	139.4531
Cobalt	ug/L	MW-300	10/02/2018		232.0000 *	139.4531
Cobalt	ug/L	MW-300	03/28/2019		344.0000 *	139.4531
Cobalt	ug/L	MW-300	09/24/2019		292.0000 *	139.4531
Cobalt	ug/L	MW-300	03/10/2020		215.0000 *	139.4531
Cobalt	ug/L	MW-300	09/15/2020		282.0000 *	139.4531
Cobalt	ug/L	MW-300	04/15/2021		152.0000 *	139.4531
Cobalt	ug/L	MW-300	10/27/2021		260.0000 *	139.4531
Cobalt	ug/L	MW-300	04/13/2022		339.0000 *	139.4531
Cobalt	ug/L	MW-300	09/01/2022		1370.0000 *	139.4531

* - 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	ug/L	MW-300	03/06/2023		294.0000 *	139.4531
Cobalt	ug/L	MW-300	09/29/2023		881.0000 *	139.4531
Cobalt	ug/L	MW-300	03/19/2024		691.0000 *	139.4531
Cobalt	ug/L	MW-300	10/03/2024		799.0000 *	139.4531
Cobalt	ug/L	MW-300	03/25/2025		462.0000 *	139.4531
Nickel	ug/L	MW-300	03/25/2008		544.0000 *	142.7589
Nickel	ug/L	MW-300	04/22/2008		580.0000 *	142.7589
Nickel	ug/L	MW-300	07/26/2008		404.0000 *	142.7589
Nickel	ug/L	MW-300	08/27/2008		500.0000 *	142.7589
Nickel	ug/L	MW-300	09/24/2008		579.0000 *	142.7589
Nickel	ug/L	MW-300	03/17/2009		274.0000 *	142.7589
Nickel	ug/L	MW-300	09/24/2009		348.0000 *	142.7589
Nickel	ug/L	MW-300	03/25/2010		576.0000 *	142.7589
Nickel	ug/L	MW-300	09/23/2010		484.0000 *	142.7589
Nickel	ug/L	MW-300	03/29/2011		337.0000 *	142.7589
Nickel	ug/L	MW-300	09/22/2011		262.0000 *	142.7589
Nickel	ug/L	MW-300	03/15/2012		247.0000 *	142.7589
Nickel	ug/L	MW-300	09/18/2012		269.0000 *	142.7589
Nickel	ug/L	MW-300	03/27/2013		225.0000 *	142.7589
Nickel	ug/L	MW-300	09/25/2013		279.0000 *	142.7589
Nickel	ug/L	MW-300	04/16/2014		98.6000 *	142.7589
Nickel	ug/L	MW-300	09/26/2014		286.0000 *	142.7589
Nickel	ug/L	MW-300	03/12/2015		204.0000 *	142.7589
Nickel	ug/L	MW-300	09/02/2015		329.0000 *	142.7589
Nickel	ug/L	MW-300	03/23/2016		250.0000 *	142.7589
Nickel	ug/L	MW-300	10/20/2016		221.0000 *	142.7589
Nickel	ug/L	MW-300	03/07/2017		288.0000 *	142.7589
Nickel	ug/L	MW-300	09/26/2017		218.0000 *	142.7589
Nickel	ug/L	MW-300	03/14/2018		149.0000 *	142.7589
Nickel	ug/L	MW-300	10/02/2018		189.0000 *	142.7589
Nickel	ug/L	MW-300	03/28/2019		253.0000 *	142.7589
Nickel	ug/L	MW-300	09/24/2019		257.0000 *	142.7589
Nickel	ug/L	MW-300	03/10/2020		185.0000 *	142.7589
Nickel	ug/L	MW-300	09/15/2020		248.0000 *	142.7589
Nickel	ug/L	MW-300	04/15/2021		156.0000 *	142.7589
Nickel	ug/L	MW-300	10/27/2021		237.0000 *	142.7589
Nickel	ug/L	MW-300	04/13/2022		365.0000 *	142.7589
Nickel	ug/L	MW-300	09/01/2022		1720.0000 *	142.7589
Nickel	ug/L	MW-300	03/06/2023		343.0000 *	142.7589
Nickel	ug/L	MW-300	09/29/2023		955.0000 *	142.7589
Nickel	ug/L	MW-300	03/19/2024		719.0000 *	142.7589
Nickel	ug/L	MW-300	10/03/2024		829.0000 *	142.7589
Nickel	ug/L	MW-300	03/25/2025		540.0000 *	142.7589
Barium	ug/L	MW-303	03/24/2008	ND	26.6000	49.9000
Barium	ug/L	MW-303	04/21/2008	ND	10.0000	49.9000
Barium	ug/L	MW-303	07/23/2008	ND	14.1000	49.9000
Barium	ug/L	MW-303	08/26/2008	ND	30.8000	49.9000
Barium	ug/L	MW-303	09/23/2008	ND	10.0000	49.9000
Barium	ug/L	MW-303	03/17/2009	ND	12.3000	49.9000
Barium	ug/L	MW-303	09/24/2009	ND	23.4000	49.9000
Barium	ug/L	MW-303	03/24/2010	ND	17.7000	49.9000
Barium	ug/L	MW-303	09/22/2010	ND	23.9000	49.9000
Barium	ug/L	MW-303	03/28/2011	ND	14.5000	49.9000
Barium	ug/L	MW-303	09/22/2011	ND	20.4000	49.9000
Barium	ug/L	MW-303	03/16/2012	ND	30.1000	49.9000
Barium	ug/L	MW-303	09/19/2012	ND	31.9000	49.9000
Barium	ug/L	MW-303	03/27/2013	ND	26.8000	49.9000
Barium	ug/L	MW-303	09/26/2013	ND	39.1000	49.9000
Barium	ug/L	MW-303	04/15/2014	ND	26.1000	49.9000
Barium	ug/L	MW-303	09/25/2014	ND	106.0000 *	49.9000
Barium	ug/L	MW-303	03/11/2015	ND	72.5000 *	49.9000
Barium	ug/L	MW-303	09/02/2015	ND	36.6000	49.9000
Barium	ug/L	MW-303	03/22/2016	ND	66.8000 *	49.9000
Barium	ug/L	MW-303	10/21/2016	ND	69.2000 *	49.9000
Barium	ug/L	MW-303	03/08/2017	ND	42.9000	49.9000
Barium	ug/L	MW-303	09/25/2017	ND	68.4000 *	49.9000
Barium	ug/L	MW-303	03/13/2018	ND	66.1000 *	49.9000
Barium	ug/L	MW-303	10/01/2018	ND	37.4000	49.9000
Barium	ug/L	MW-303	03/27/2019	ND	20.8000	49.9000
Barium	ug/L	MW-303	09/23/2019	ND	39.1000	49.9000
Barium	ug/L	MW-303	03/10/2020	ND	59.0000 *	49.9000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result	Pred. Limit
Barium	ug/L	MW-303	09/15/2020		25.0000	49.9000
Barium	ug/L	MW-303	04/14/2021		14.5000	49.9000
Barium	ug/L	MW-303	10/27/2021		73.3000 *	49.9000
Barium	ug/L	MW-303	04/14/2022		58.8000 *	49.9000
Barium	ug/L	MW-303	09/01/2022		58.0000 *	49.9000
Barium	ug/L	MW-303	03/06/2023		73.9000 *	49.9000
Barium	ug/L	MW-303	09/29/2023		35.5000	49.9000
Barium	ug/L	MW-303	03/19/2024		92.9000 *	49.9000
Barium	ug/L	MW-303	10/03/2024		83.1000 *	49.9000
Barium	ug/L	MW-303	03/25/2025		72.9000 *	49.9000
Barium	ug/L	MW-304	03/22/2016		77.5000 *	49.9000
Barium	ug/L	MW-304	10/20/2016		85.1000 *	49.9000
Barium	ug/L	MW-304	01/18/2017		43.2000	49.9000
Barium	ug/L	MW-304	03/07/2017		103.0000 *	49.9000
Barium	ug/L	MW-304	06/28/2017		74.3000 *	49.9000
Barium	ug/L	MW-304	09/26/2017		73.1000 *	49.9000
Barium	ug/L	MW-304	03/14/2018		39.9000	49.9000
Barium	ug/L	MW-304	10/02/2018		72.3000 *	49.9000
Barium	ug/L	MW-304	03/28/2019		75.6000 *	49.9000
Barium	ug/L	MW-304	09/24/2019		68.9000 *	49.9000
Barium	ug/L	MW-304	03/10/2020		71.1000 *	49.9000
Barium	ug/L	MW-304	09/15/2020		68.1000 *	49.9000
Barium	ug/L	MW-304	04/16/2021		42.4000	49.9000
Barium	ug/L	MW-304	10/27/2021		36.8000	49.9000
Barium	ug/L	MW-304	04/14/2022		40.8000	49.9000
Barium	ug/L	MW-304	09/01/2022		60.2000 *	49.9000
Barium	ug/L	MW-304	03/06/2023		66.5000 *	49.9000
Barium	ug/L	MW-304	09/29/2023		61.0000 *	49.9000
Barium	ug/L	MW-304	03/19/2024		78.6000 *	49.9000
Barium	ug/L	MW-304	10/03/2024		87.0000 *	49.9000
Barium	ug/L	MW-304	03/25/2025		82.9000 *	49.9000
Cobalt	ug/L	MW-344	03/25/2008	ND	20.0000	139.4531
Cobalt	ug/L	MW-344	04/22/2008	ND	20.0000	139.4531
Cobalt	ug/L	MW-344	07/26/2008	ND	20.0000	139.4531
Cobalt	ug/L	MW-344	08/27/2008	ND	20.0000	139.4531
Cobalt	ug/L	MW-344	09/24/2008	ND	20.0000	139.4531
Cobalt	ug/L	MW-344	03/18/2009	ND	20.0000	139.4531
Cobalt	ug/L	MW-344	09/24/2009		23.3000	139.4531
Cobalt	ug/L	MW-344	03/25/2010		34.7000	139.4531
Cobalt	ug/L	MW-344	09/22/2010		45.0000	139.4531
Cobalt	ug/L	MW-344	03/28/2011		33.2000	139.4531
Cobalt	ug/L	MW-344	09/22/2011		47.9000	139.4531
Cobalt	ug/L	MW-344	03/16/2012		86.5000	139.4531
Cobalt	ug/L	MW-344	09/20/2012		93.2000	139.4531
Cobalt	ug/L	MW-344	03/27/2013		172.0000 *	139.4531
Cobalt	ug/L	MW-344	09/25/2013		105.0000	139.4531
Cobalt	ug/L	MW-344	04/15/2014		50.0000	139.4531
Cobalt	ug/L	MW-344	09/26/2014		164.0000 *	139.4531
Cobalt	ug/L	MW-344	03/12/2015		176.0000 *	139.4531
Cobalt	ug/L	MW-344	09/02/2015		202.0000 *	139.4531
Cobalt	ug/L	MW-344	03/23/2016		269.0000 *	139.4531
Cobalt	ug/L	MW-344	10/19/2016		57.6000	139.4531
Cobalt	ug/L	MW-344	03/07/2017		107.0000	139.4531
Cobalt	ug/L	MW-344	09/26/2017		21.8000	139.4531
Cobalt	ug/L	MW-344	03/14/2018		114.0000	139.4531
Cobalt	ug/L	MW-344	10/02/2018		198.0000 *	139.4531
Cobalt	ug/L	MW-344	03/28/2019		128.0000	139.4531
Cobalt	ug/L	MW-344	09/24/2019		146.0000 *	139.4531
Cobalt	ug/L	MW-344	03/10/2020		206.0000 *	139.4531
Cobalt	ug/L	MW-344	09/15/2020		263.0000 *	139.4531
Cobalt	ug/L	MW-344	04/15/2021		258.0000 *	139.4531
Cobalt	ug/L	MW-344	10/27/2021		223.0000 *	139.4531
Cobalt	ug/L	MW-344	04/14/2022		310.0000 *	139.4531
Cobalt	ug/L	MW-344	09/01/2022		224.0000 *	139.4531
Cobalt	ug/L	MW-344	03/06/2023		209.0000 *	139.4531
Cobalt	ug/L	MW-344	09/29/2023		151.0000 *	139.4531
Cobalt	ug/L	MW-344	03/19/2024		148.0000 *	139.4531
Cobalt	ug/L	MW-344	10/03/2024		201.0000 *	139.4531
Cobalt	ug/L	MW-344	03/25/2025		220.0000 *	139.4531
Nickel	ug/L	MW-344	03/25/2008	ND	50.0000	142.7589
Nickel	ug/L	MW-344	04/22/2008	ND	50.0000	142.7589

* - 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	ug/L	MW-344	07/26/2008	ND	50.0000	142.7589
Nickel	ug/L	MW-344	08/27/2008	ND	50.0000	142.7589
Nickel	ug/L	MW-344	09/24/2008	ND	50.0000	142.7589
Nickel	ug/L	MW-344	03/18/2009	ND	50.0000	142.7589
Nickel	ug/L	MW-344	09/24/2009	ND	50.0000	142.7589
Nickel	ug/L	MW-344	03/25/2010		57.0000	142.7589
Nickel	ug/L	MW-344	09/22/2010		70.1000	142.7589
Nickel	ug/L	MW-344	03/28/2011	ND	50.0000	142.7589
Nickel	ug/L	MW-344	09/22/2011		60.9000	142.7589
Nickel	ug/L	MW-344	03/16/2012		98.3000	142.7589
Nickel	ug/L	MW-344	09/20/2012		84.2000	142.7589
Nickel	ug/L	MW-344	03/27/2013		164.0000 *	142.7589
Nickel	ug/L	MW-344	09/25/2013		110.0000	142.7589
Nickel	ug/L	MW-344	04/15/2014		51.3000	142.7589
Nickel	ug/L	MW-344	09/26/2014		131.0000	142.7589
Nickel	ug/L	MW-344	03/12/2015		107.0000	142.7589
Nickel	ug/L	MW-344	09/02/2015		152.0000 *	142.7589
Nickel	ug/L	MW-344	03/23/2016		202.0000 *	142.7589
Nickel	ug/L	MW-344	10/19/2016		44.2000	142.7589
Nickel	ug/L	MW-344	03/07/2017		89.1000	142.7589
Nickel	ug/L	MW-344	09/26/2017		21.5000	142.7589
Nickel	ug/L	MW-344	03/14/2018		82.9000	142.7589
Nickel	ug/L	MW-344	10/02/2018		133.0000	142.7589
Nickel	ug/L	MW-344	03/28/2019		91.0000	142.7589
Nickel	ug/L	MW-344	09/24/2019		278.0000 *	142.7589
Nickel	ug/L	MW-344	03/10/2020		156.0000 *	142.7589
Nickel	ug/L	MW-344	09/15/2020		205.0000 *	142.7589
Nickel	ug/L	MW-344	04/15/2021		214.0000 *	142.7589
Nickel	ug/L	MW-344	10/27/2021		189.0000 *	142.7589
Nickel	ug/L	MW-344	04/14/2022		267.0000 *	142.7589
Nickel	ug/L	MW-344	09/01/2022		178.0000 *	142.7589
Nickel	ug/L	MW-344	03/06/2023		165.0000 *	142.7589
Nickel	ug/L	MW-344	09/29/2023		124.0000	142.7589
Nickel	ug/L	MW-344	03/19/2024		108.0000	142.7589
Nickel	ug/L	MW-344	10/03/2024		147.0000 *	142.7589
Nickel	ug/L	MW-344	03/25/2025		147.0000 *	142.7589
Cadmium	ug/L	MW-380	03/25/2008		12.2000 *	1.1900
Cadmium	ug/L	MW-380	04/21/2008		14.8000 *	1.1900
Cadmium	ug/L	MW-380	07/26/2008		20.1000 *	1.1900
Cadmium	ug/L	MW-380	08/26/2008		18.8000 *	1.1900
Cadmium	ug/L	MW-380	09/24/2008		27.0000 *	1.1900
Cadmium	ug/L	MW-380	03/17/2009		17.5000 *	1.1900
Cadmium	ug/L	MW-380	09/24/2009		18.0000 *	1.1900
Cadmium	ug/L	MW-380	03/25/2010		16.2000 *	1.1900
Cadmium	ug/L	MW-380	09/22/2010		17.1000 *	1.1900
Cadmium	ug/L	MW-380	03/28/2011		15.0000 *	1.1900
Cadmium	ug/L	MW-380	09/22/2011		16.1000 *	1.1900
Cadmium	ug/L	MW-380	03/15/2012		9.0000 *	1.1900
Cadmium	ug/L	MW-380	09/19/2012		14.7000 *	1.1900
Cadmium	ug/L	MW-380	03/27/2013		5.3900 *	1.1900
Cadmium	ug/L	MW-380	09/25/2013		21.2000 *	1.1900
Cadmium	ug/L	MW-380	04/16/2014		7.1800 *	1.1900
Cadmium	ug/L	MW-380	09/26/2014		12.7000 *	1.1900
Cadmium	ug/L	MW-380	03/11/2015		15.9000 *	1.1900
Cadmium	ug/L	MW-380	09/02/2015		10.5000 *	1.1900
Cadmium	ug/L	MW-380	03/23/2016		6.3300 *	1.1900
Cadmium	ug/L	MW-380	10/20/2016		9.9800 *	1.1900
Cadmium	ug/L	MW-380	03/09/2017		57.4000 *	1.1900
Cadmium	ug/L	MW-380	06/28/2017		5.2100 *	1.1900
Cadmium	ug/L	MW-380	09/26/2017		9.2900 *	1.1900
Cadmium	ug/L	MW-380	03/14/2018		10.6000 *	1.1900
Cadmium	ug/L	MW-380	10/02/2018		12.5000 *	1.1900
Cadmium	ug/L	MW-380	03/28/2019		4.4000 *	1.1900
Cadmium	ug/L	MW-380	09/24/2019		6.8800 *	1.1900
Cadmium	ug/L	MW-380	03/10/2020		5.9000 *	1.1900
Cadmium	ug/L	MW-380	09/15/2020		8.9400 *	1.1900
Cadmium	ug/L	MW-380	04/15/2021		10.5000 *	1.1900
Cadmium	ug/L	MW-380	10/27/2021		7.2500 *	1.1900
Cadmium	ug/L	MW-380	04/13/2022		1.3600 *	1.1900
Cadmium	ug/L	MW-380	09/01/2022	ND	0.8000	1.1900
Cadmium	ug/L	MW-380	03/06/2023		3.1000 *	1.1900

* - 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
Cadmium	ug/L	MW-380	09/29/2023	ND	9.2000 *	1.1900
Cadmium	ug/L	MW-380	03/18/2024		36.5000 *	1.1900
Cadmium	ug/L	MW-380	10/03/2024		0.8000	1.1900
Cadmium	ug/L	MW-380	03/25/2025		5.6000 *	1.1900
Cobalt	ug/L	MW-380	03/25/2008	ND	1180.0000 *	139.4531
Cobalt	ug/L	MW-380	04/21/2008		1250.0000 *	139.4531
Cobalt	ug/L	MW-380	07/26/2008		1510.0000 *	139.4531
Cobalt	ug/L	MW-380	08/26/2008		1310.0000 *	139.4531
Cobalt	ug/L	MW-380	09/24/2008		1480.0000 *	139.4531
Cobalt	ug/L	MW-380	03/17/2009		1400.0000 *	139.4531
Cobalt	ug/L	MW-380	09/24/2009		1490.0000 *	139.4531
Cobalt	ug/L	MW-380	03/25/2010		1250.0000 *	139.4531
Cobalt	ug/L	MW-380	09/22/2010		1390.0000 *	139.4531
Cobalt	ug/L	MW-380	03/28/2011		1410.0000 *	139.4531
Cobalt	ug/L	MW-380	09/22/2011		1270.0000 *	139.4531
Cobalt	ug/L	MW-380	03/15/2012		1500.0000 *	139.4531
Cobalt	ug/L	MW-380	09/19/2012		1420.0000 *	139.4531
Cobalt	ug/L	MW-380	03/27/2013		1120.0000 *	139.4531
Cobalt	ug/L	MW-380	09/25/2013		1450.0000 *	139.4531
Cobalt	ug/L	MW-380	04/16/2014		563.0000 *	139.4531
Cobalt	ug/L	MW-380	09/26/2014		1140.0000 *	139.4531
Cobalt	ug/L	MW-380	03/11/2015		1490.0000 *	139.4531
Cobalt	ug/L	MW-380	09/02/2015		15.0000	139.4531
Cobalt	ug/L	MW-380	03/23/2016		1120.0000 *	139.4531
Cobalt	ug/L	MW-380	10/20/2016		1150.0000 *	139.4531
Cobalt	ug/L	MW-380	03/09/2017		1840.0000 *	139.4531
Cobalt	ug/L	MW-380	09/26/2017		1290.0000 *	139.4531
Cobalt	ug/L	MW-380	03/14/2018		1430.0000 *	139.4531
Cobalt	ug/L	MW-380	10/02/2018		1040.0000 *	139.4531
Cobalt	ug/L	MW-380	03/28/2019		607.0000 *	139.4531
Cobalt	ug/L	MW-380	09/24/2019		867.0000 *	139.4531
Cobalt	ug/L	MW-380	03/10/2020		856.0000 *	139.4531
Cobalt	ug/L	MW-380	09/15/2020		1180.0000 *	139.4531
Cobalt	ug/L	MW-380	04/15/2021		1150.0000 *	139.4531
Cobalt	ug/L	MW-380	10/27/2021		795.0000 *	139.4531
Cobalt	ug/L	MW-380	04/13/2022		701.0000 *	139.4531
Cobalt	ug/L	MW-380	09/01/2022		407.0000 *	139.4531
Cobalt	ug/L	MW-380	03/06/2023		758.0000 *	139.4531
Cobalt	ug/L	MW-380	09/29/2023		1130.0000 *	139.4531
Cobalt	ug/L	MW-380	03/18/2024		936.0000 *	139.4531
Cobalt	ug/L	MW-380	10/03/2024		263.0000 *	139.4531
Cobalt	ug/L	MW-380	03/25/2025		115.0000	139.4531
Nickel	ug/L	MW-380	03/25/2008		1750.0000 *	142.7589
Nickel	ug/L	MW-380	04/21/2008		1930.0000 *	142.7589
Nickel	ug/L	MW-380	07/26/2008		2260.0000 *	142.7589
Nickel	ug/L	MW-380	08/26/2008		1940.0000 *	142.7589
Nickel	ug/L	MW-380	09/24/2008		2230.0000 *	142.7589
Nickel	ug/L	MW-380	03/17/2009		1990.0000 *	142.7589
Nickel	ug/L	MW-380	09/24/2009		2220.0000 *	142.7589
Nickel	ug/L	MW-380	03/25/2010		1810.0000 *	142.7589
Nickel	ug/L	MW-380	09/22/2010		2010.0000 *	142.7589
Nickel	ug/L	MW-380	03/28/2011		2090.0000 *	142.7589
Nickel	ug/L	MW-380	09/22/2011		1870.0000 *	142.7589
Nickel	ug/L	MW-380	03/15/2012		2130.0000 *	142.7589
Nickel	ug/L	MW-380	09/19/2012		2120.0000 *	142.7589
Nickel	ug/L	MW-380	03/27/2013		1600.0000 *	142.7589
Nickel	ug/L	MW-380	09/25/2013		2140.0000 *	142.7589
Nickel	ug/L	MW-380	04/16/2014		818.0000 *	142.7589
Nickel	ug/L	MW-380	09/26/2014		1650.0000 *	142.7589
Nickel	ug/L	MW-380	03/11/2015		1290.0000 *	142.7589
Nickel	ug/L	MW-380	09/02/2015		1970.0000 *	142.7589
Nickel	ug/L	MW-380	03/23/2016		1450.0000 *	142.7589
Nickel	ug/L	MW-380	10/20/2016		1430.0000 *	142.7589
Nickel	ug/L	MW-380	03/09/2017		2660.0000 *	142.7589
Nickel	ug/L	MW-380	09/26/2017		1270.0000 *	142.7589
Nickel	ug/L	MW-380	03/14/2018		2070.0000 *	142.7589
Nickel	ug/L	MW-380	10/02/2018		1440.0000 *	142.7589
Nickel	ug/L	MW-380	03/28/2019		807.0000 *	142.7589
Nickel	ug/L	MW-380	09/24/2019		1270.0000 *	142.7589
Nickel	ug/L	MW-380	03/10/2020		1130.0000 *	142.7589
Nickel	ug/L	MW-380	09/15/2020		1670.0000 *	142.7589

* - 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	ug/L	MW-380	04/15/2021		1450.0000	*	142.7589
Nickel	ug/L	MW-380	10/27/2021		1100.0000	*	142.7589
Nickel	ug/L	MW-380	04/13/2022		1020.0000	*	142.7589
Nickel	ug/L	MW-380	09/01/2022		531.0000	*	142.7589
Nickel	ug/L	MW-380	03/06/2023		965.0000	*	142.7589
Nickel	ug/L	MW-380	09/29/2023		1410.0000	*	142.7589
Nickel	ug/L	MW-380	03/18/2024		1290.0000	*	142.7589
Nickel	ug/L	MW-380	10/03/2024		440.0000	*	142.7589
Nickel	ug/L	MW-380	03/25/2025		237.0000	*	142.7589
Cobalt	ug/L	MW-602	03/09/2020		168.0000	*	139.4531
Cobalt	ug/L	MW-602	09/17/2020		216.0000	*	139.4531
Cobalt	ug/L	MW-602	04/15/2021		236.0000	*	139.4531
Cobalt	ug/L	MW-602	10/28/2021		205.0000	*	139.4531
Cobalt	ug/L	MW-602	04/13/2022		198.0000	*	139.4531
Cobalt	ug/L	MW-602	09/01/2022		247.0000	*	139.4531
Cobalt	ug/L	MW-602	03/06/2023		194.0000	*	139.4531
Cobalt	ug/L	MW-602	09/29/2023		203.0000	*	139.4531
Cobalt	ug/L	MW-602	03/19/2024		198.0000	*	139.4531
Cobalt	ug/L	MW-602	10/03/2024		236.0000	*	139.4531
Cobalt	ug/L	MW-602	03/25/2025		185.0000	*	139.4531
Nickel	ug/L	MW-602	03/09/2020		242.0000	*	142.7589
Nickel	ug/L	MW-602	09/17/2020		324.0000	*	142.7589
Nickel	ug/L	MW-602	04/15/2021		345.0000	*	142.7589
Nickel	ug/L	MW-602	10/28/2021		296.0000	*	142.7589
Nickel	ug/L	MW-602	04/13/2022		253.0000	*	142.7589
Nickel	ug/L	MW-602	09/01/2022		356.0000	*	142.7589
Nickel	ug/L	MW-602	03/06/2023		270.0000	*	142.7589
Nickel	ug/L	MW-602	09/29/2023		289.0000	*	142.7589
Nickel	ug/L	MW-602	03/19/2024		299.0000	*	142.7589
Nickel	ug/L	MW-602	10/03/2024		361.0000	*	142.7589
Nickel	ug/L	MW-602	03/25/2025		254.0000	*	142.7589

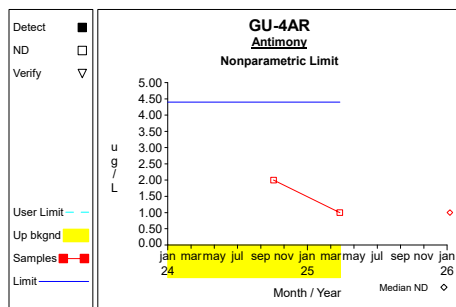
* - Significantly increased over background.

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

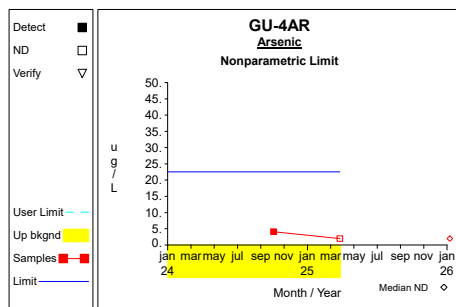
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

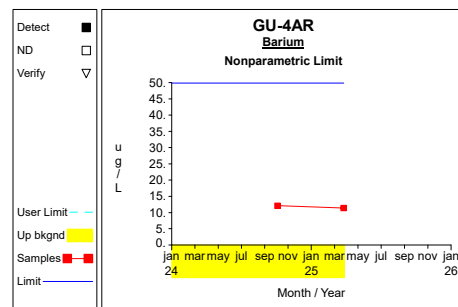
Up vs. Down Prediction Limits



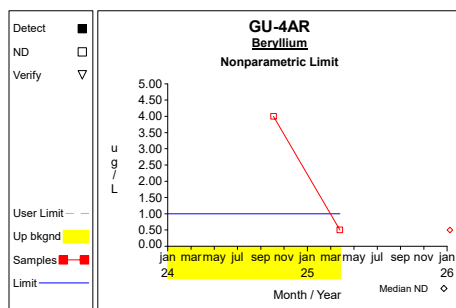
Graph 1



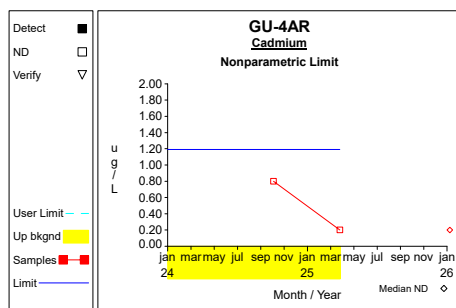
Graph 2



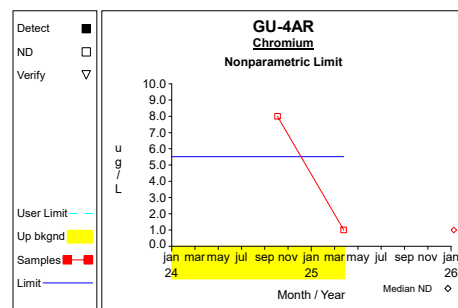
Graph 3



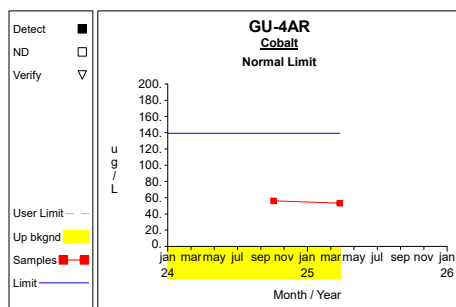
Graph 4



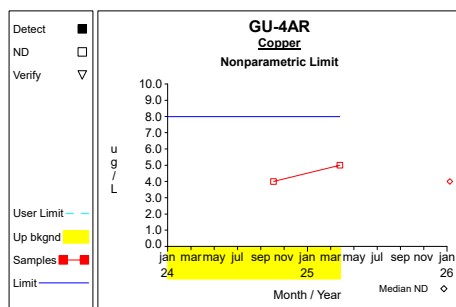
Graph 5



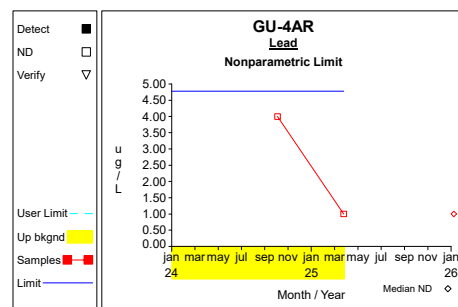
Graph 6



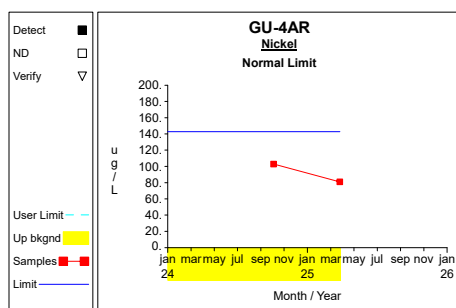
Graph 7



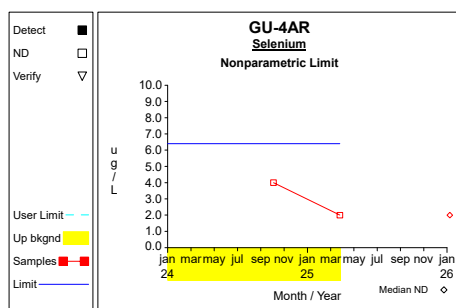
Graph 8



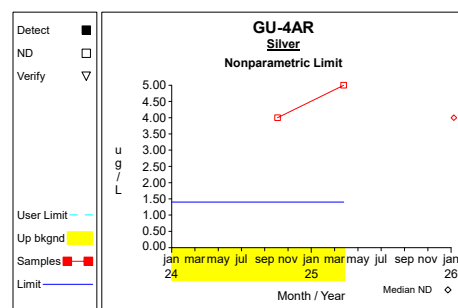
Graph 9



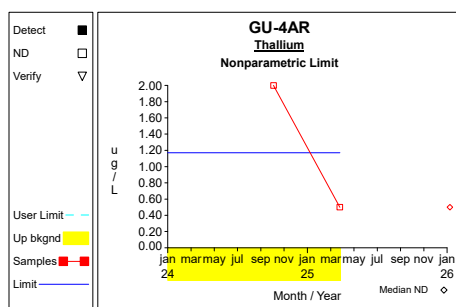
Graph 10



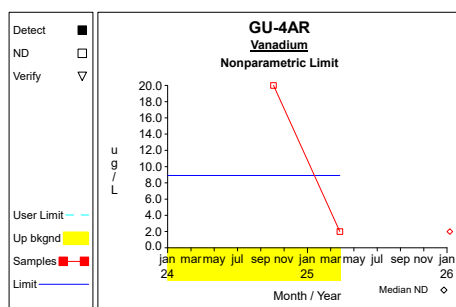
Graph 11



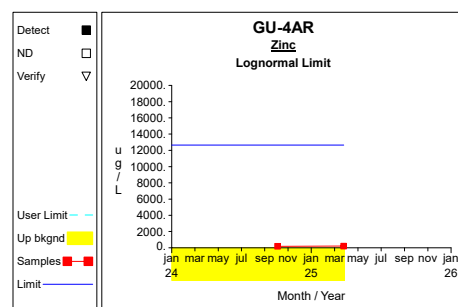
Graph 12



Graph 13

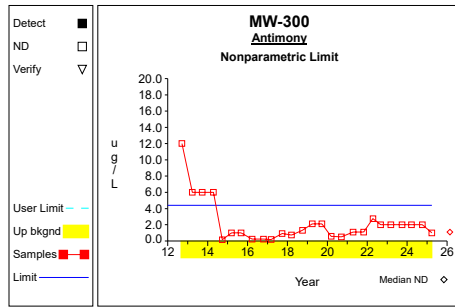


Graph 14

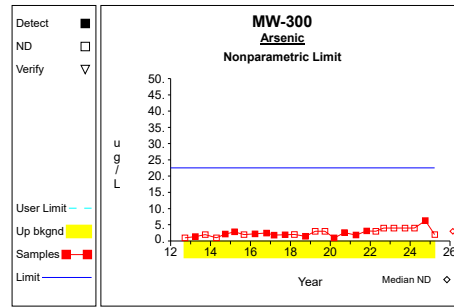


Graph 15

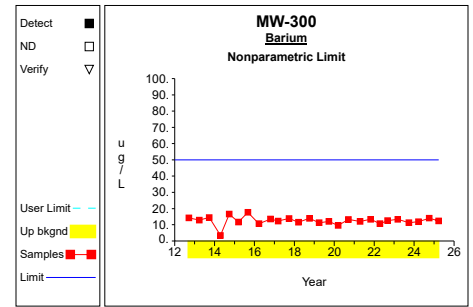
Up vs. Down Prediction Limits



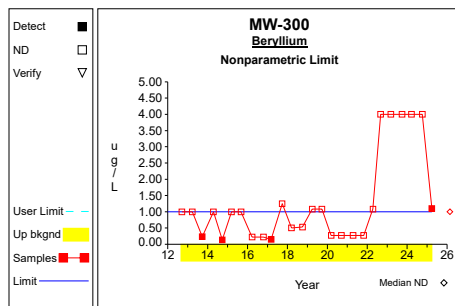
Graph 16



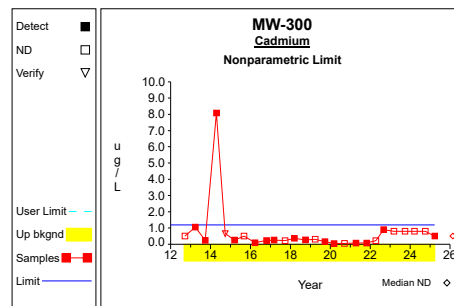
Graph 17



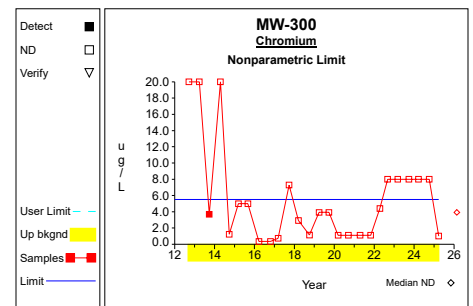
Graph 18



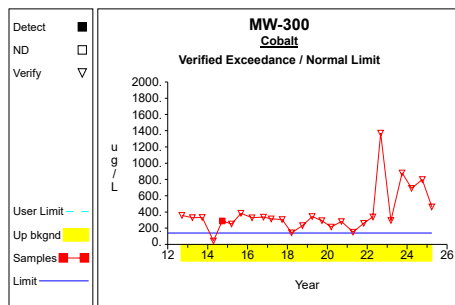
Graph 19



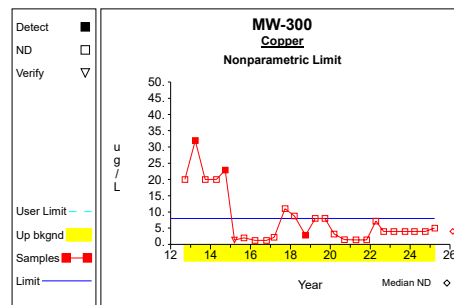
Graph 20



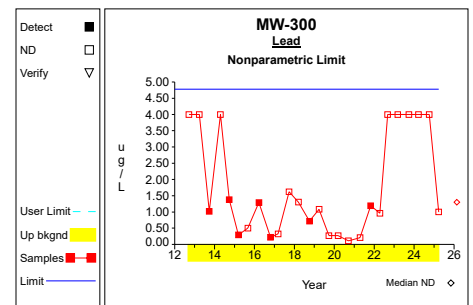
Graph 21



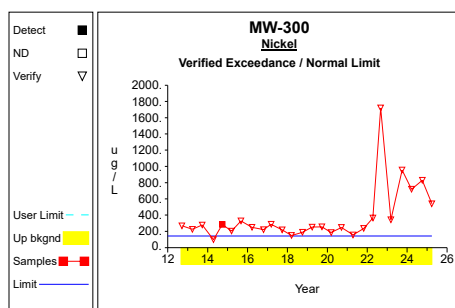
Graph 22



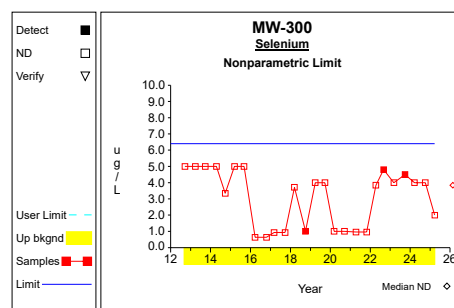
Graph 23



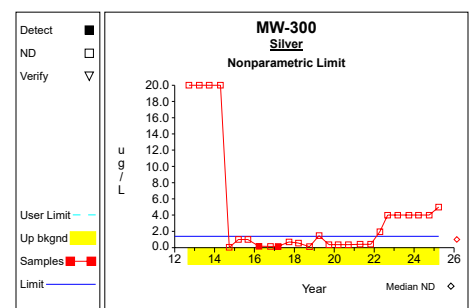
Graph 24



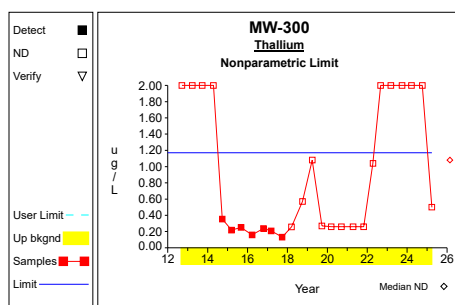
Graph 25



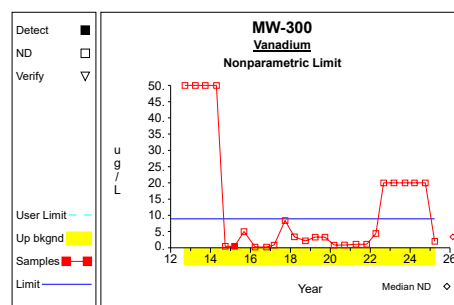
Graph 26



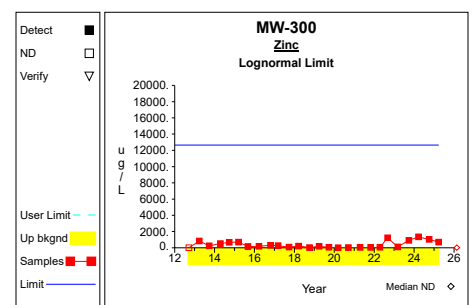
Graph 27



Graph 28

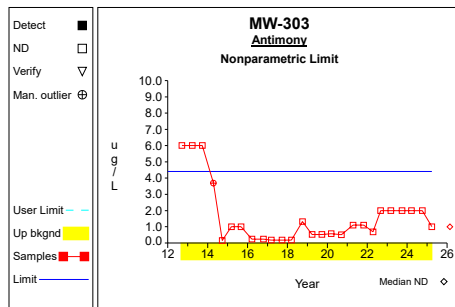


Graph 29

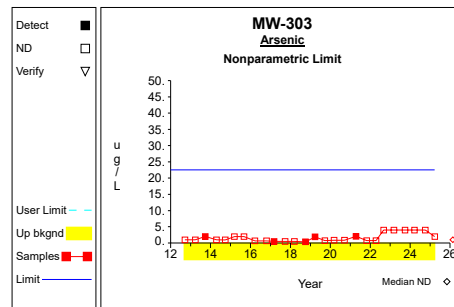


Graph 30

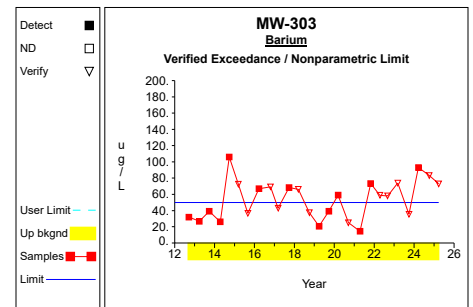
Up vs. Down Prediction Limits



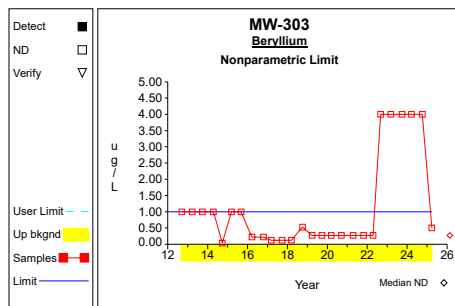
Graph 31



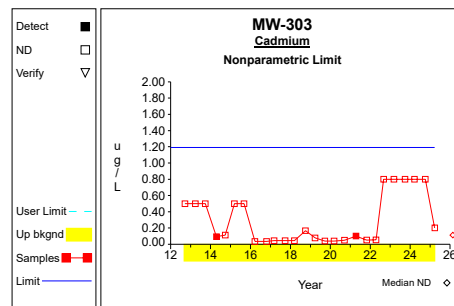
Graph 32



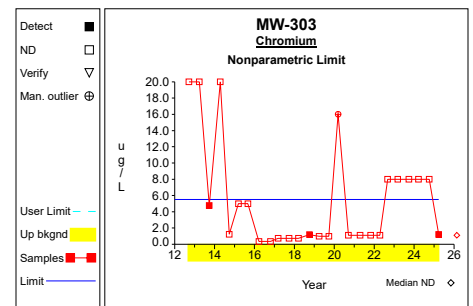
Graph 33



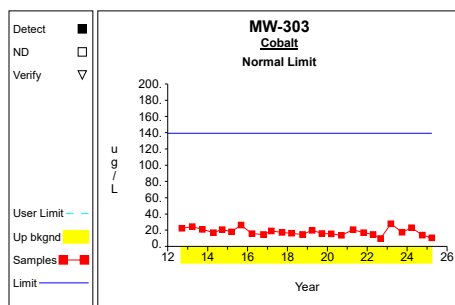
Graph 34



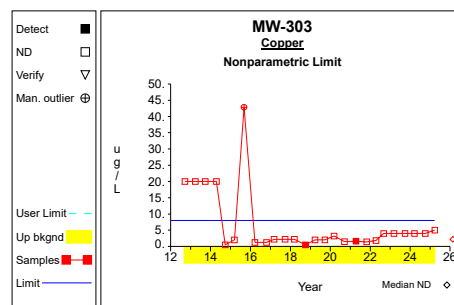
Graph 35



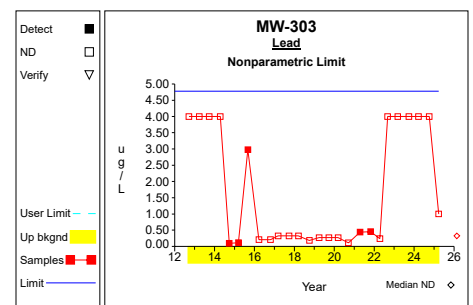
Graph 36



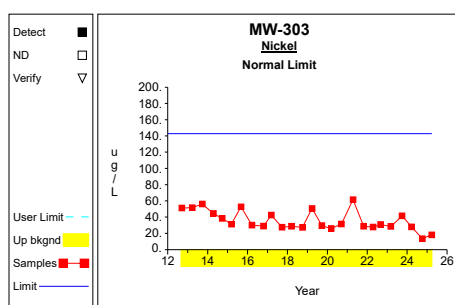
Graph 37



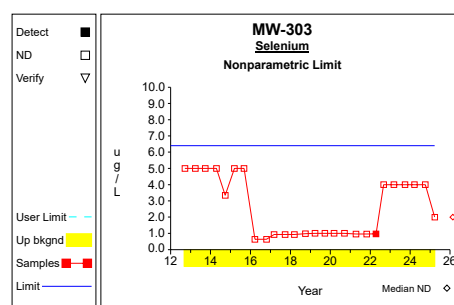
Graph 38



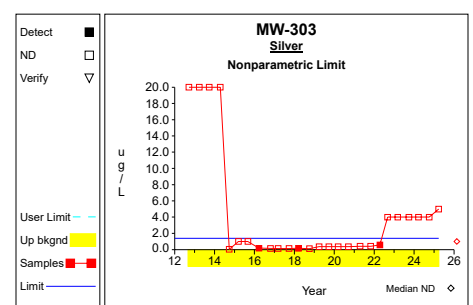
Graph 39



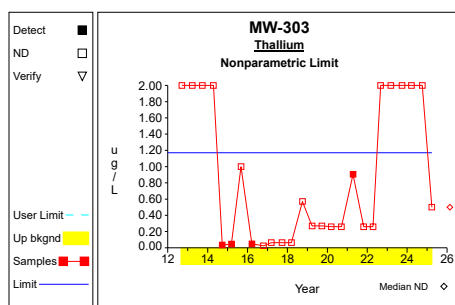
Graph 40



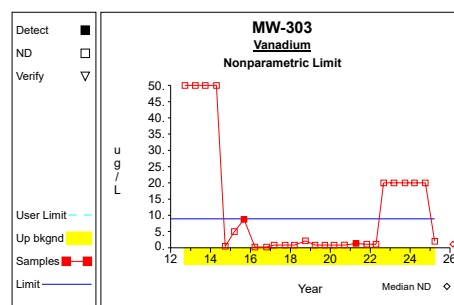
Graph 41



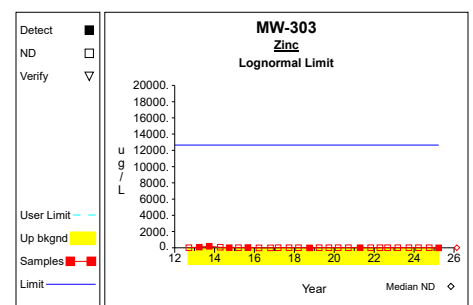
Graph 42



Graph 43

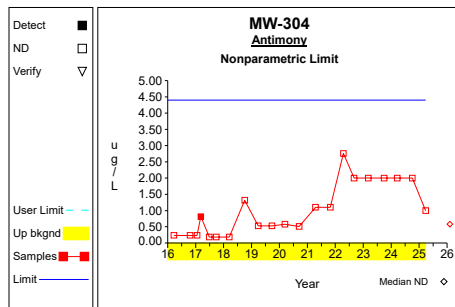


Graph 44

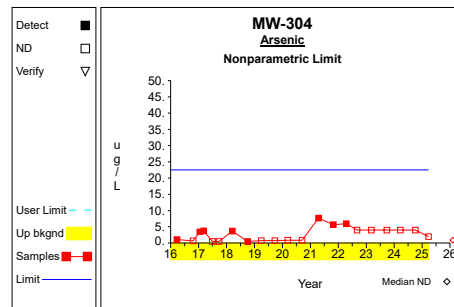


Graph 45

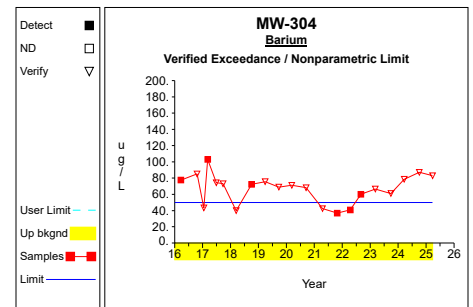
Up vs. Down Prediction Limits



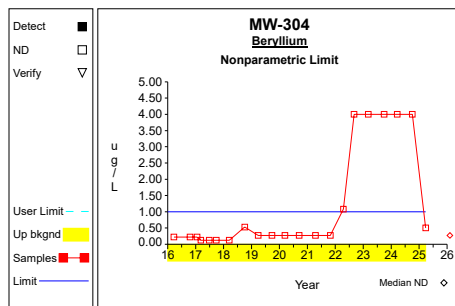
Graph 46



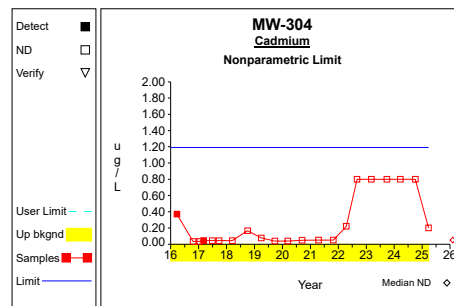
Graph 47



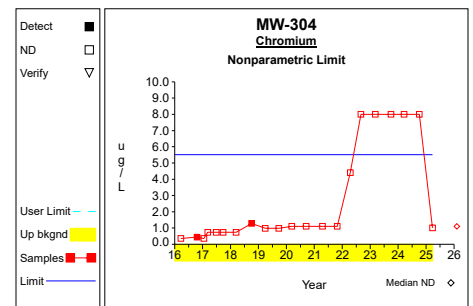
Graph 48



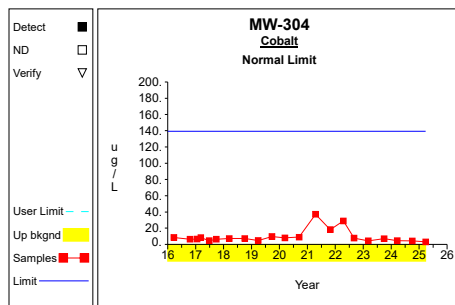
Graph 49



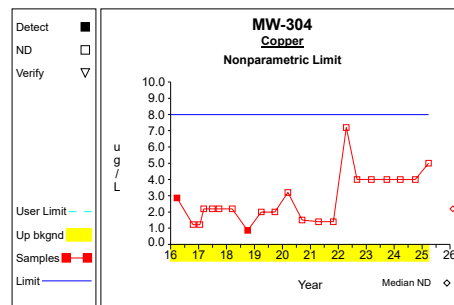
Graph 50



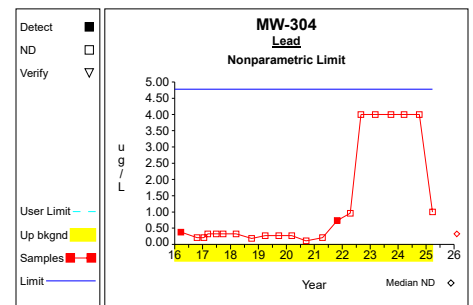
Graph 51



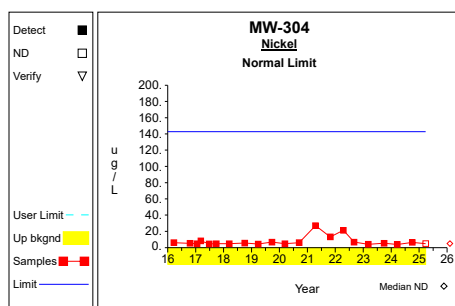
Graph 52



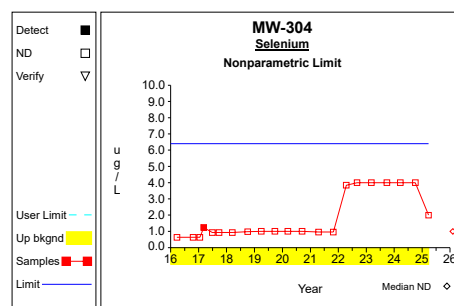
Graph 53



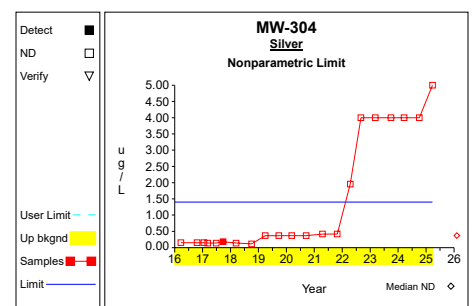
Graph 54



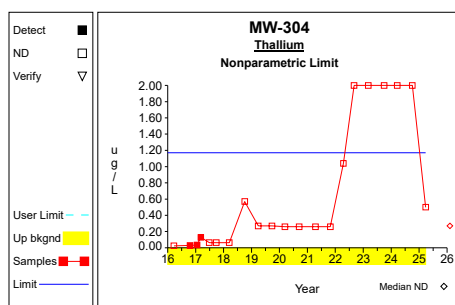
Graph 55



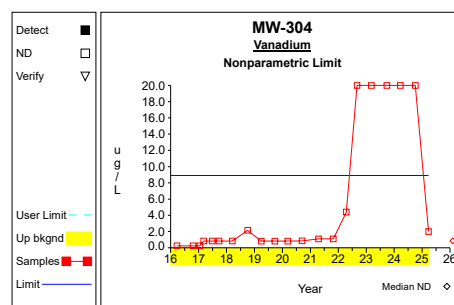
Graph 56



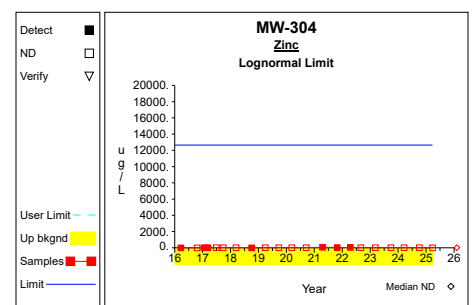
Graph 57



Graph 58

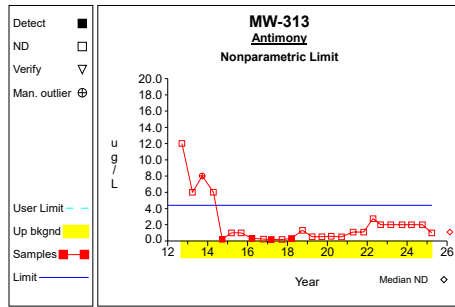


Graph 59

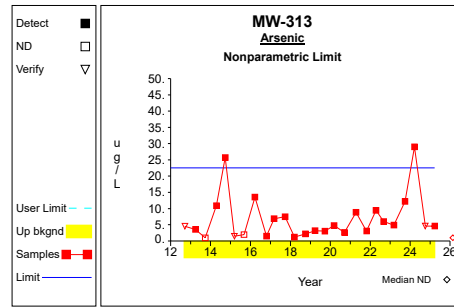


Graph 60

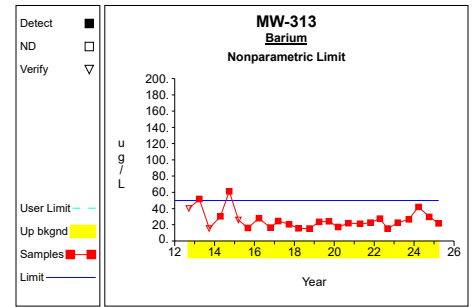
Up vs. Down Prediction Limits



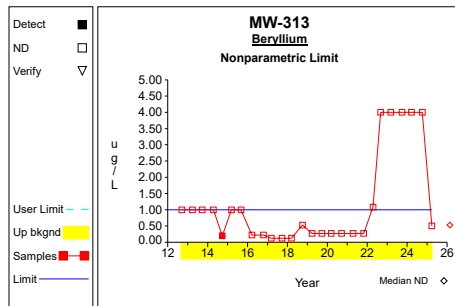
Graph 61



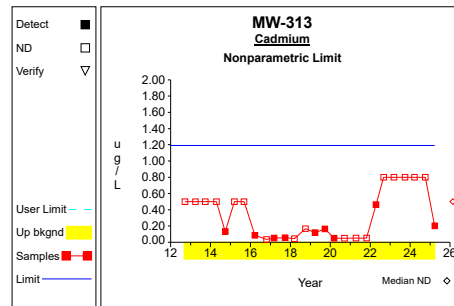
Graph 62



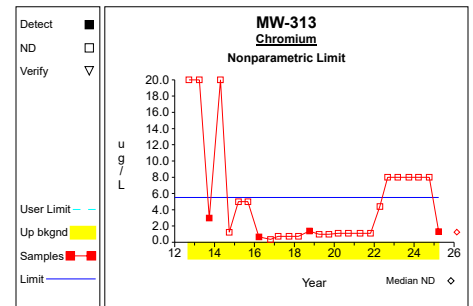
Graph 63



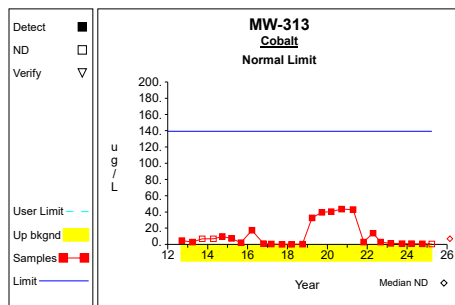
Graph 64



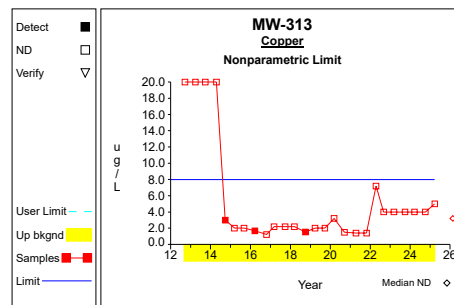
Graph 65



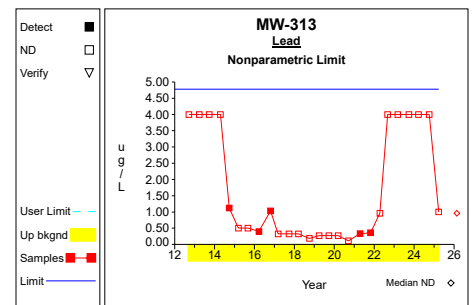
Graph 66



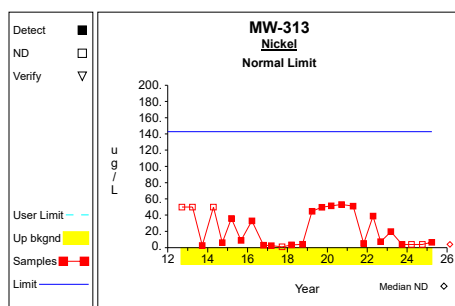
Graph 67



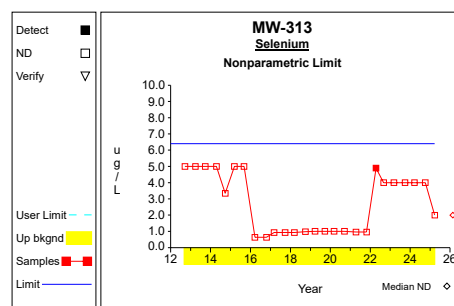
Graph 68



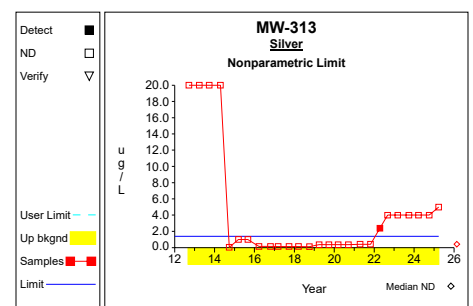
Graph 69



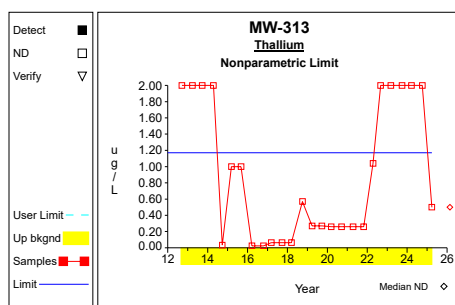
Graph 70



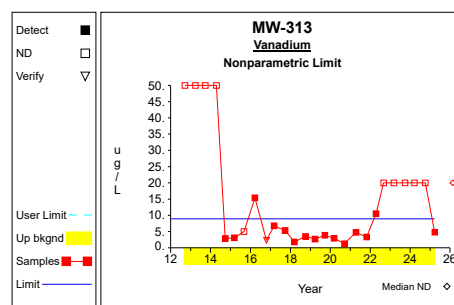
Graph 71



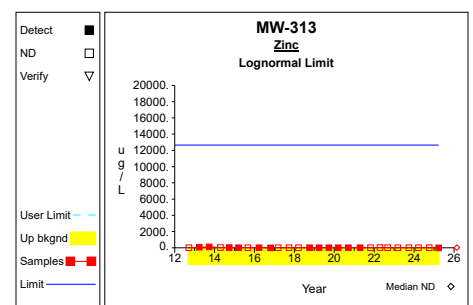
Graph 72



Graph 73

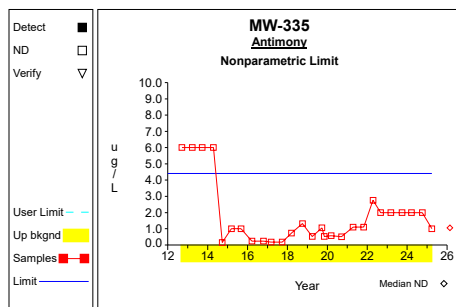


Graph 74

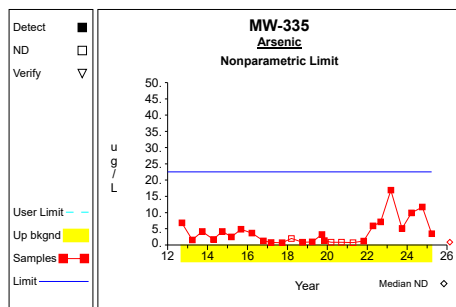


Graph 75

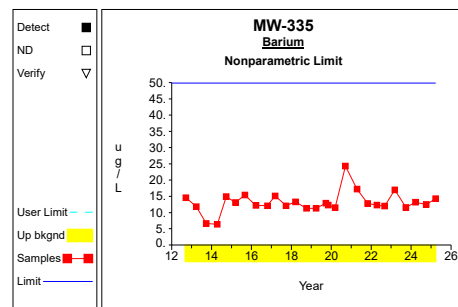
Up vs. Down Prediction Limits



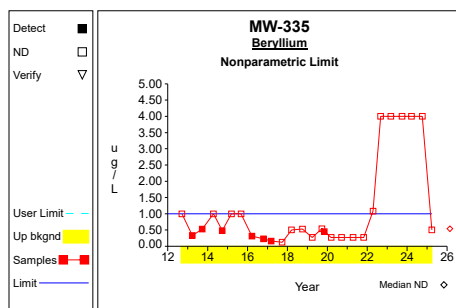
Graph 76



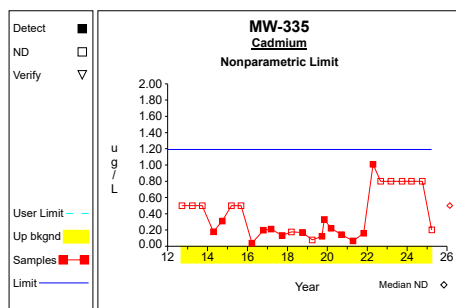
Graph 77



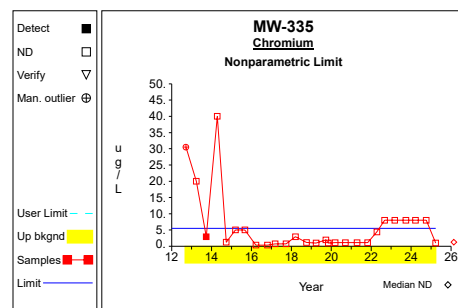
Graph 78



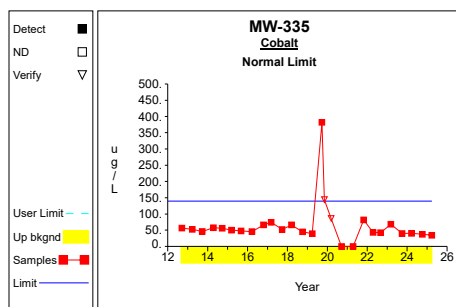
Graph 79



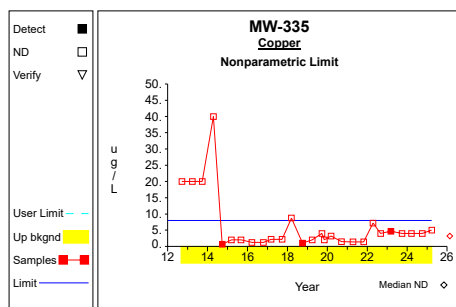
Graph 80



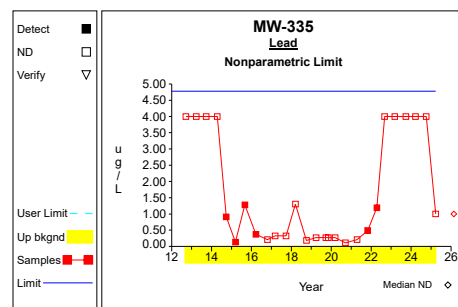
Graph 81



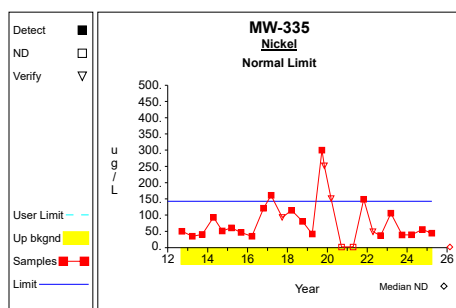
Graph 82



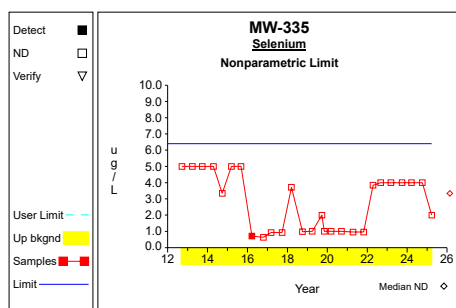
Graph 83



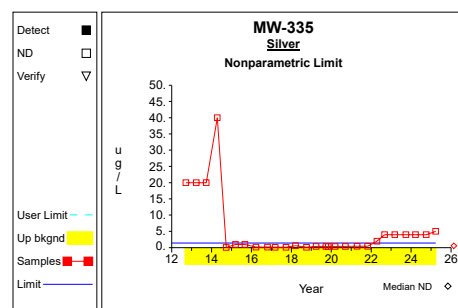
Graph 84



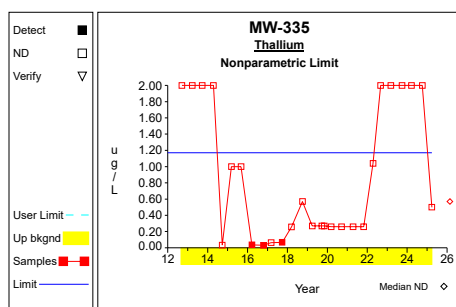
Graph 85



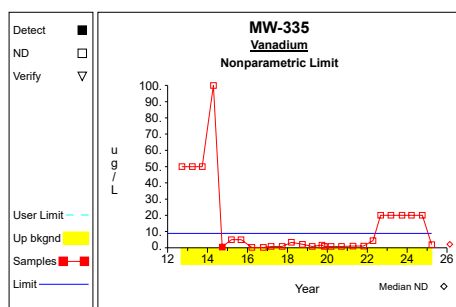
Graph 86



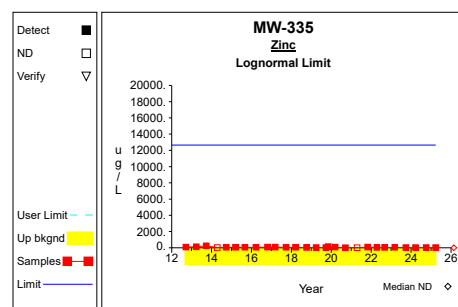
Graph 87



Graph 88

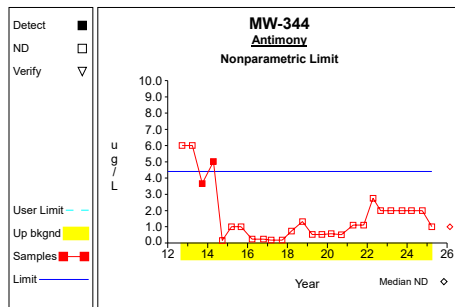


Graph 89

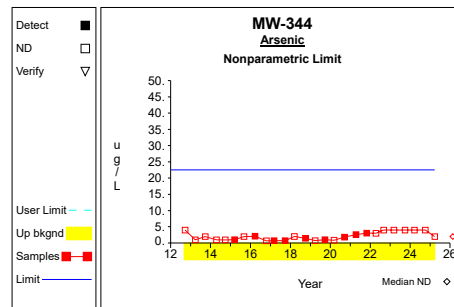


Graph 90

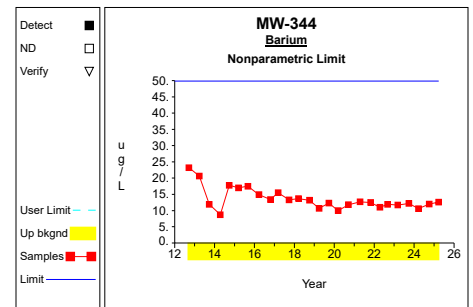
Up vs. Down Prediction Limits



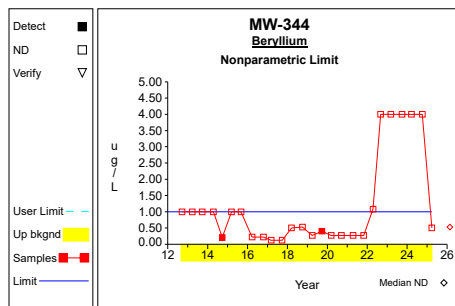
Graph 91



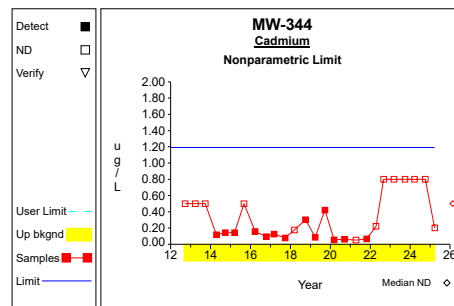
Graph 92



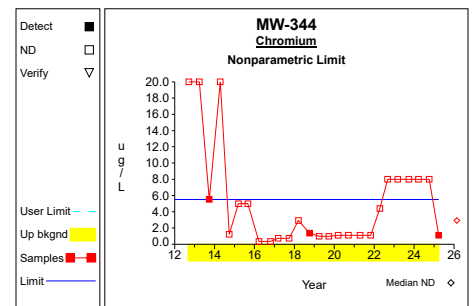
Graph 93



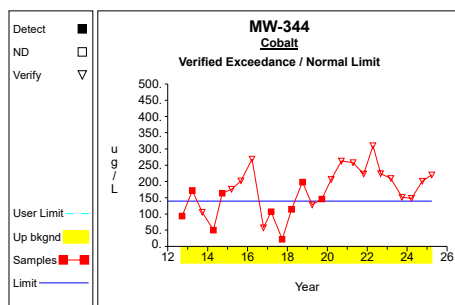
Graph 94



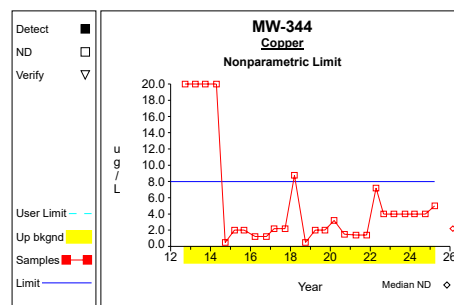
Graph 95



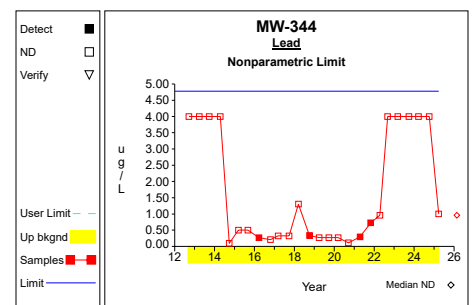
Graph 96



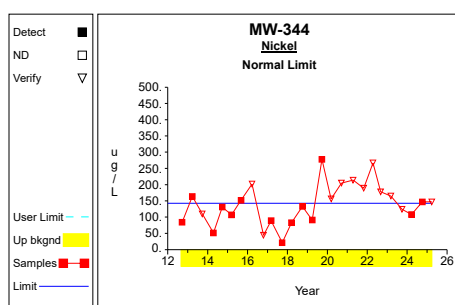
Graph 97



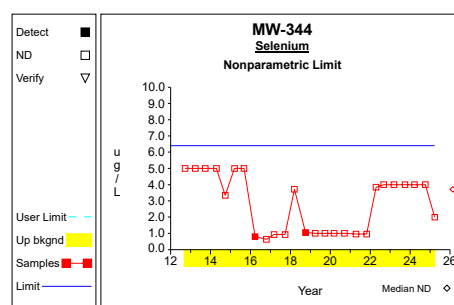
Graph 98



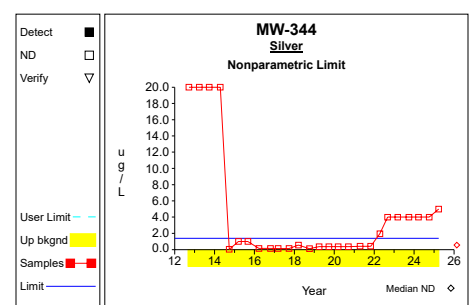
Graph 99



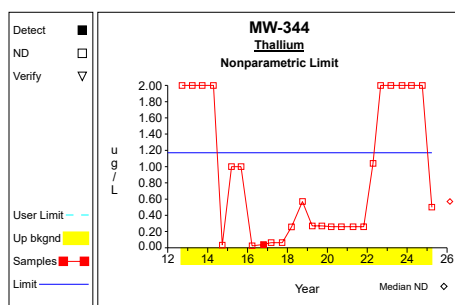
Graph 100



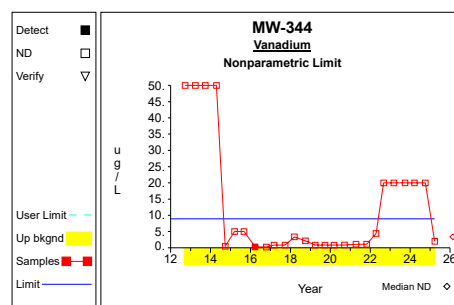
Graph 101



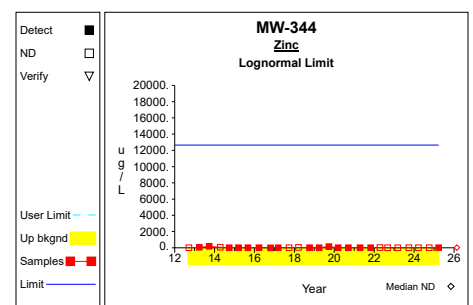
Graph 102



Graph 103

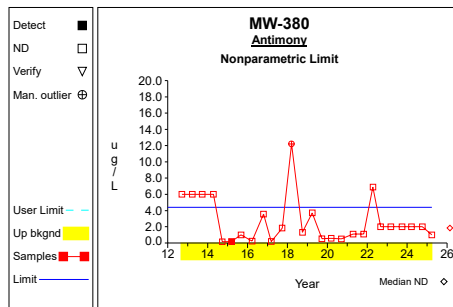


Graph 104

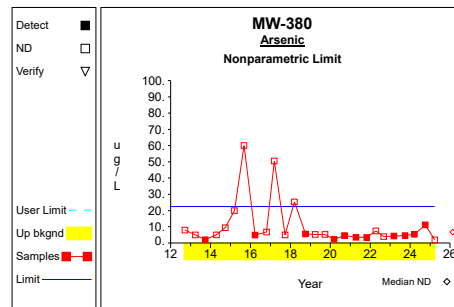


Graph 105

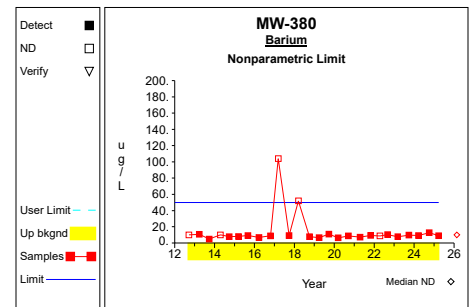
Up vs. Down Prediction Limits



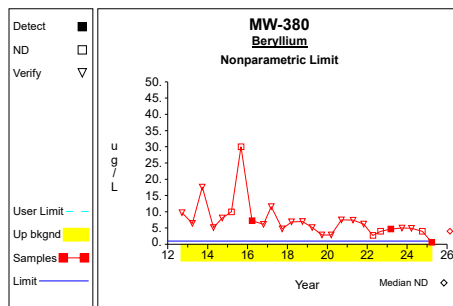
Graph 106



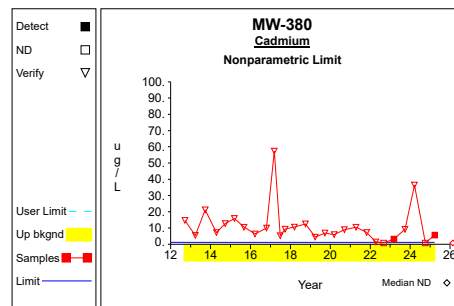
Graph 107



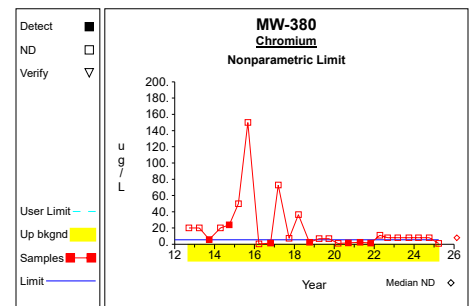
Graph 108



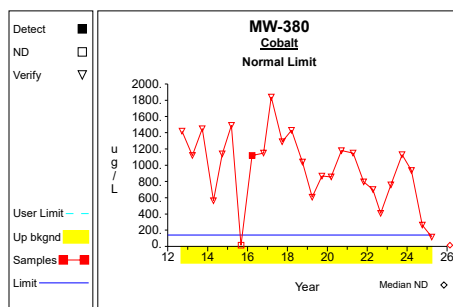
Graph 109



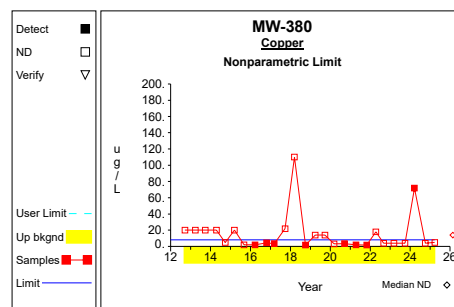
Graph 110



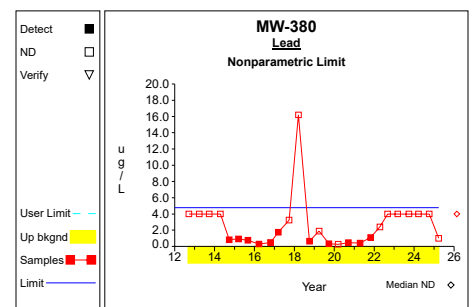
Graph 111



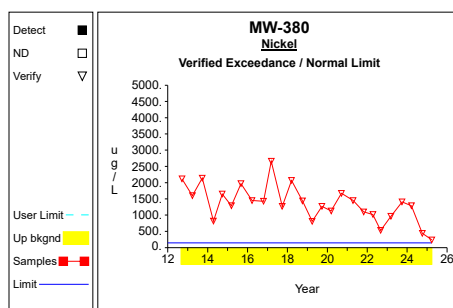
Graph 112



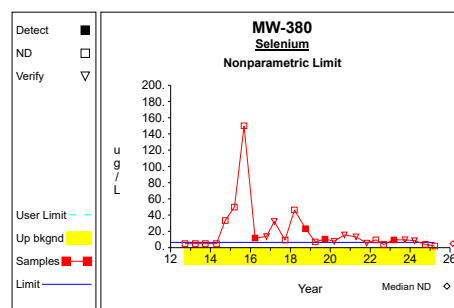
Graph 113



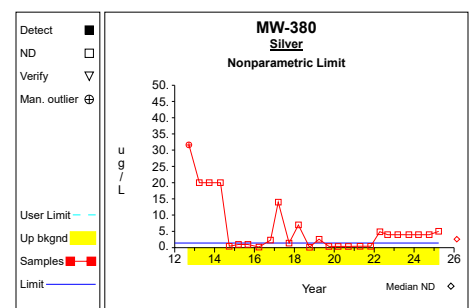
Graph 114



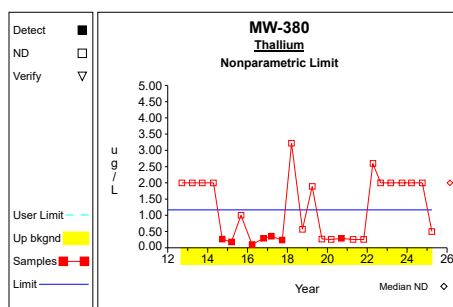
Graph 115



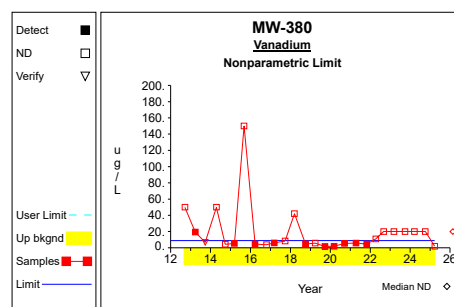
Graph 116



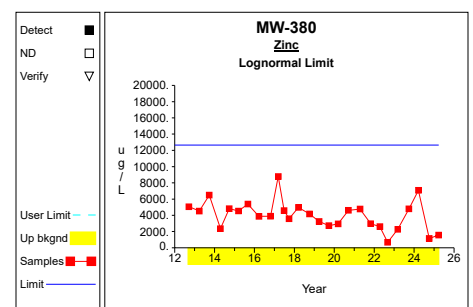
Graph 117



Graph 118

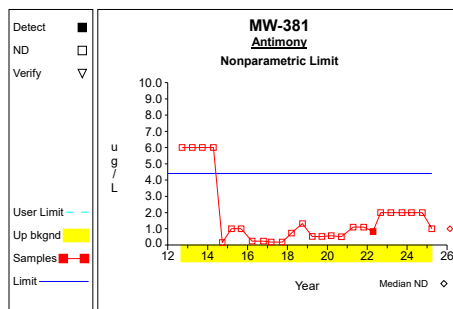


Graph 119

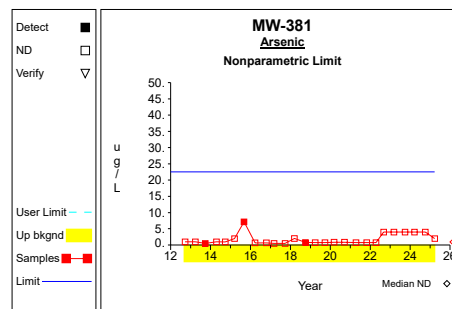


Graph 120

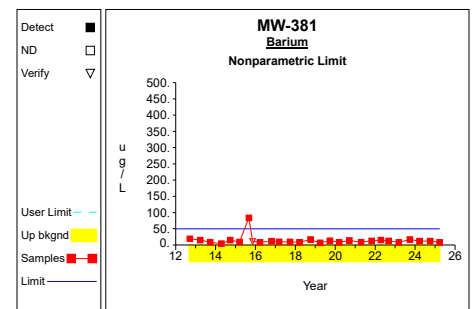
Up vs. Down Prediction Limits



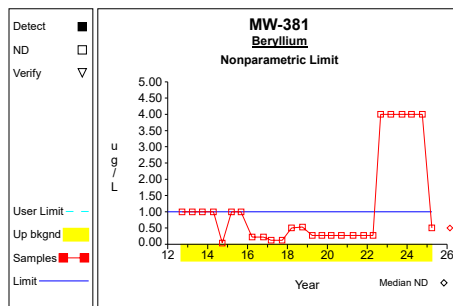
Graph 121



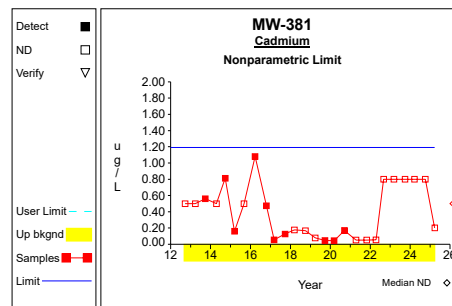
Graph 122



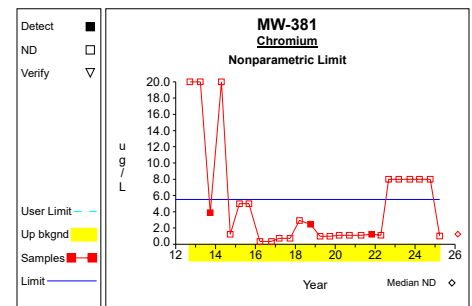
Graph 123



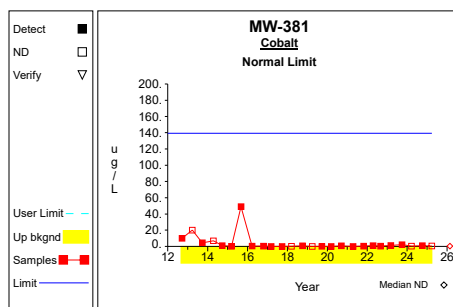
Graph 124



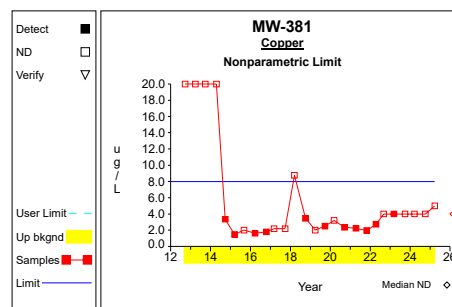
Graph 125



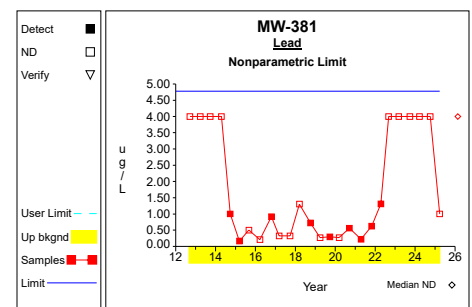
Graph 126



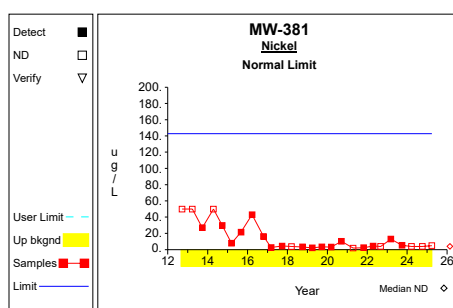
Graph 127



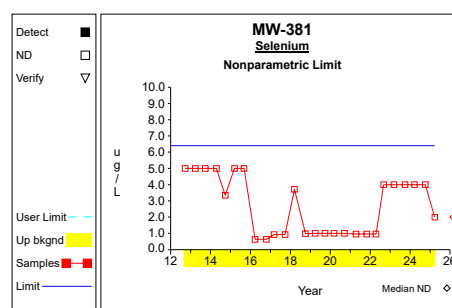
Graph 128



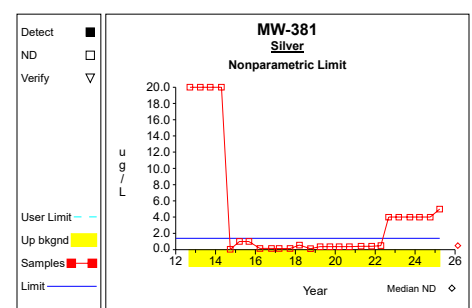
Graph 129



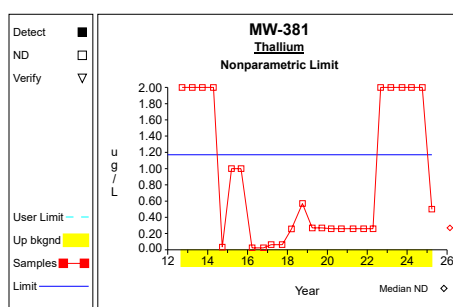
Graph 130



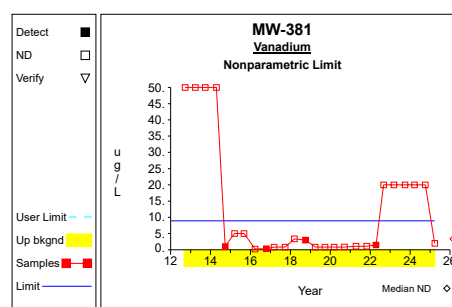
Graph 131



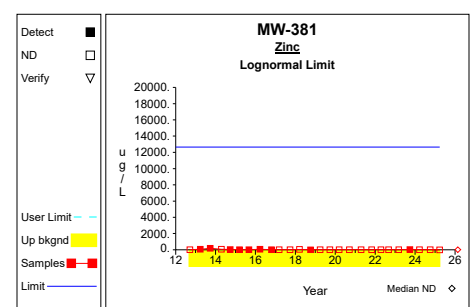
Graph 132



Graph 133

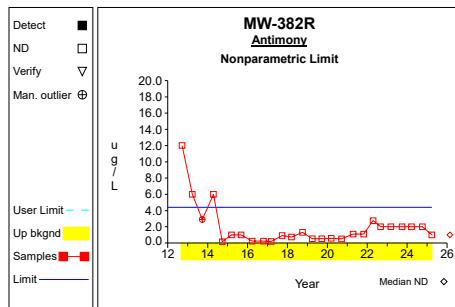


Graph 134

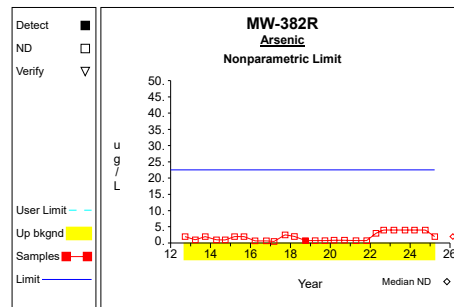


Graph 135

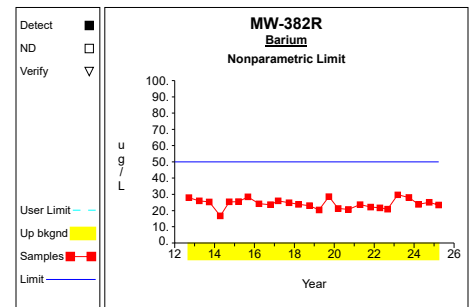
Up vs. Down Prediction Limits



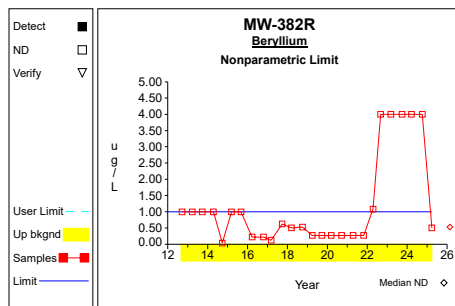
Graph 136



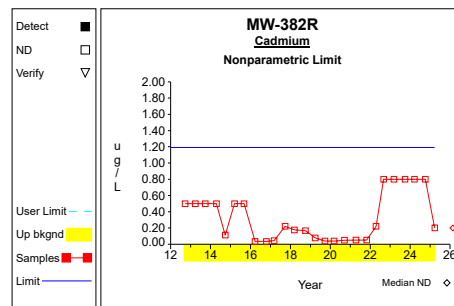
Graph 137



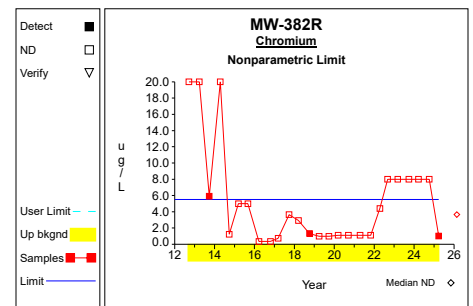
Graph 138



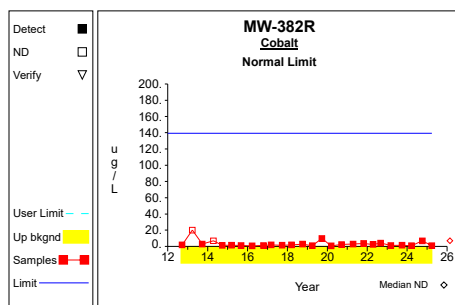
Graph 139



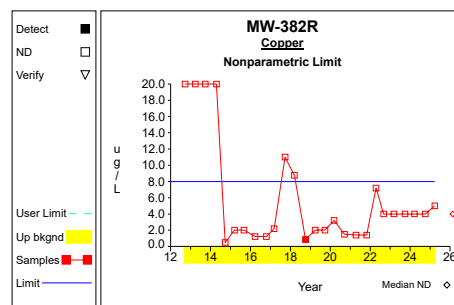
Graph 140



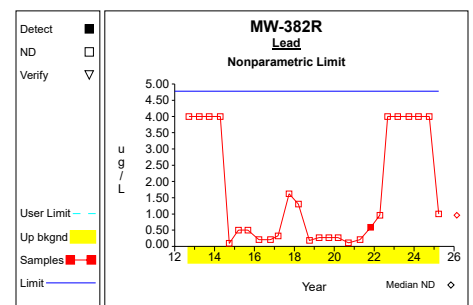
Graph 141



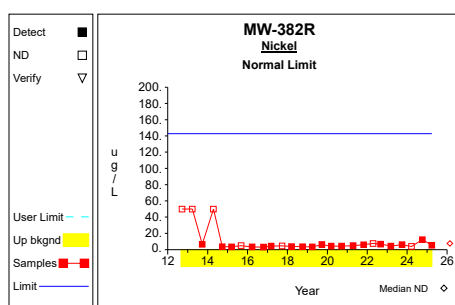
Graph 142



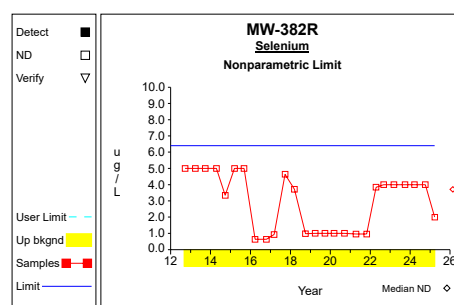
Graph 143



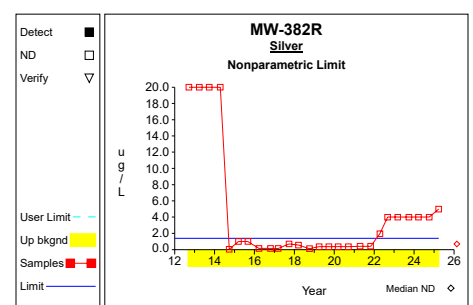
Graph 144



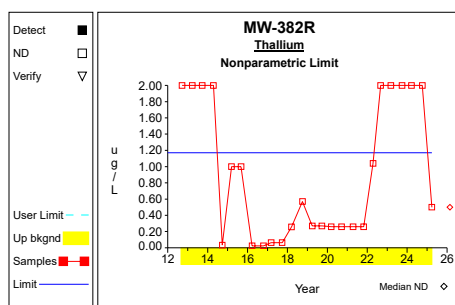
Graph 145



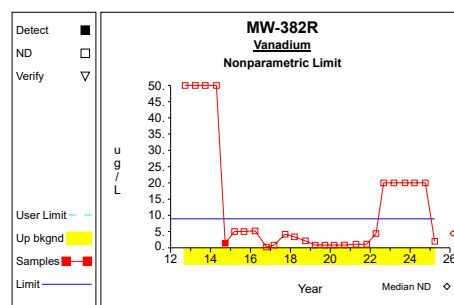
Graph 146



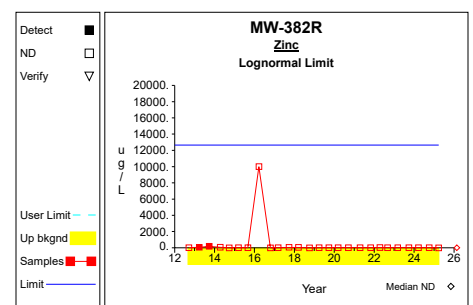
Graph 147



Graph 148

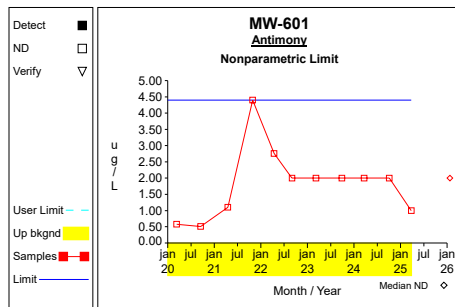


Graph 149

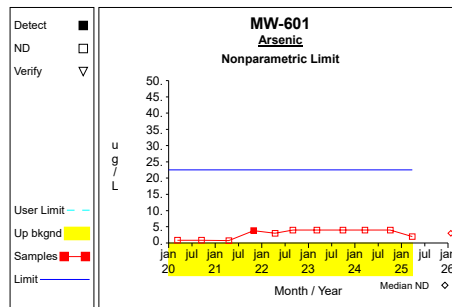


Graph 150

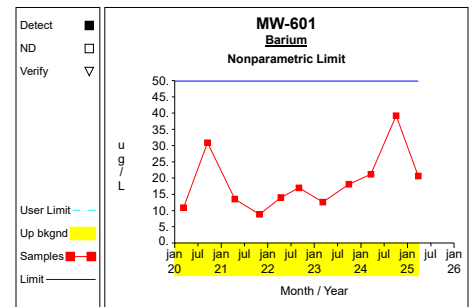
Up vs. Down Prediction Limits



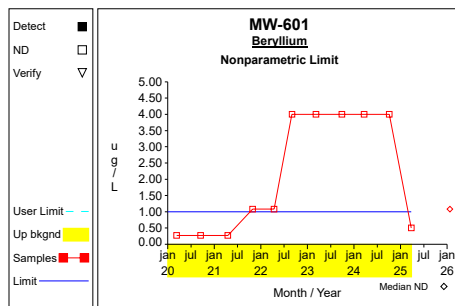
Graph 151



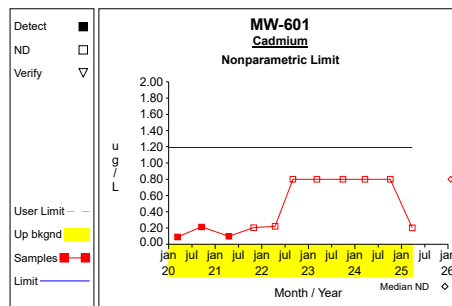
Graph 152



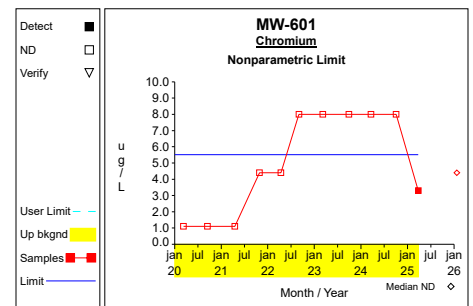
Graph 153



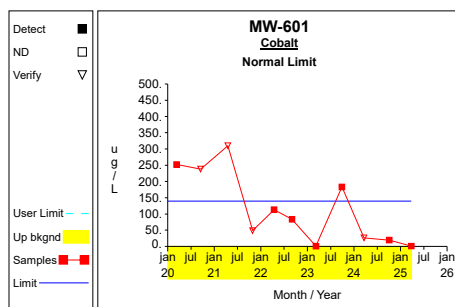
Graph 154



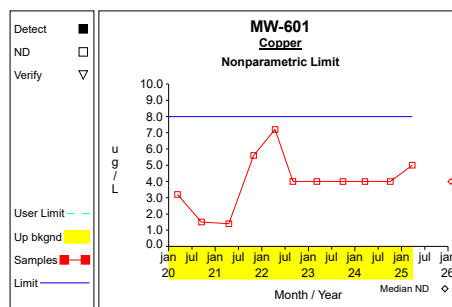
Graph 155



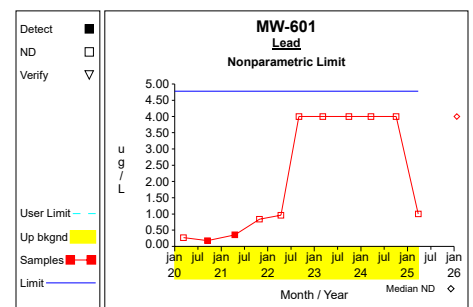
Graph 156



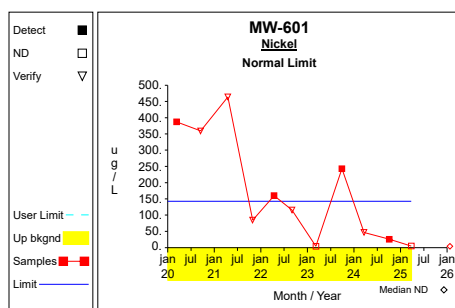
Graph 157



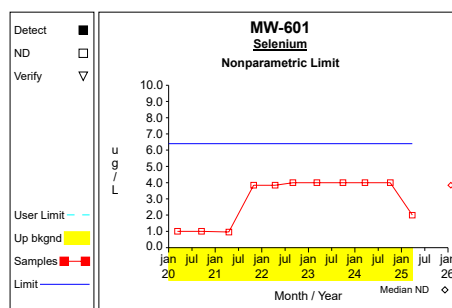
Graph 158



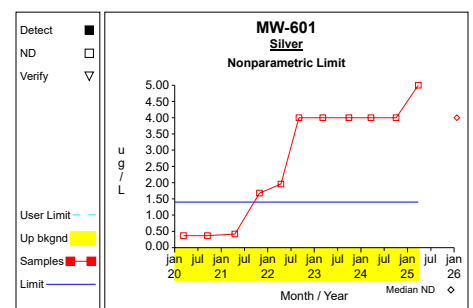
Graph 159



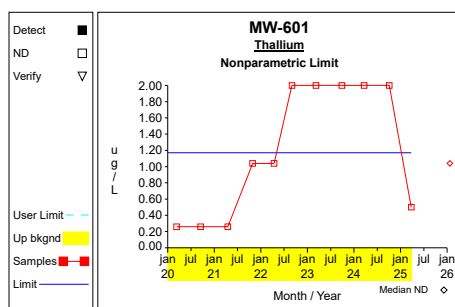
Graph 160



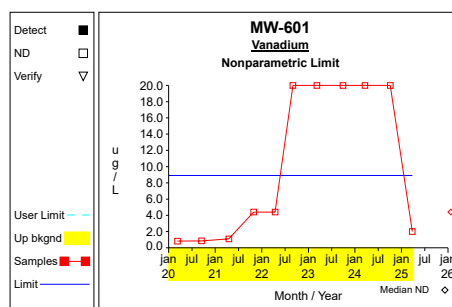
Graph 161



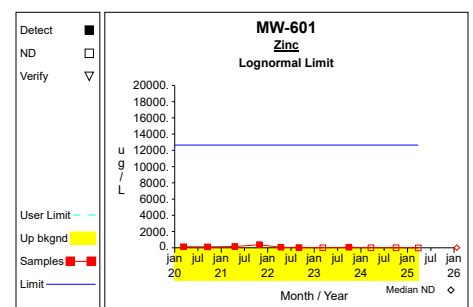
Graph 162



Graph 163

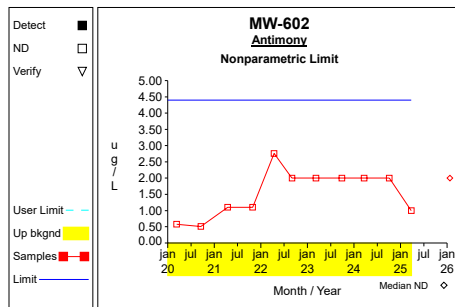


Graph 164

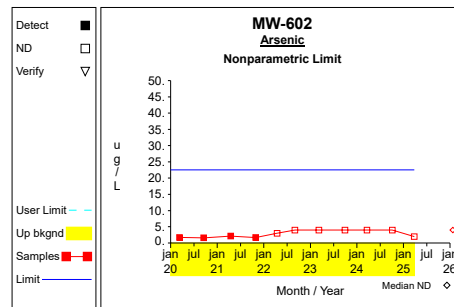


Graph 165

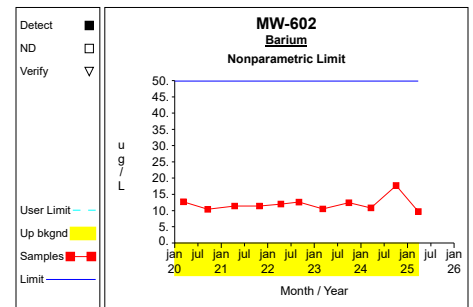
Up vs. Down Prediction Limits



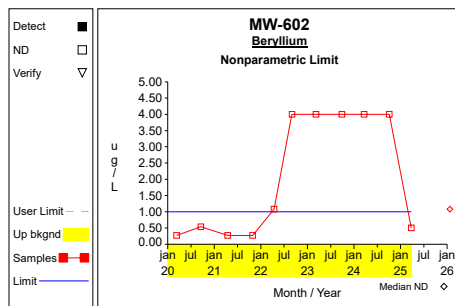
Graph 166



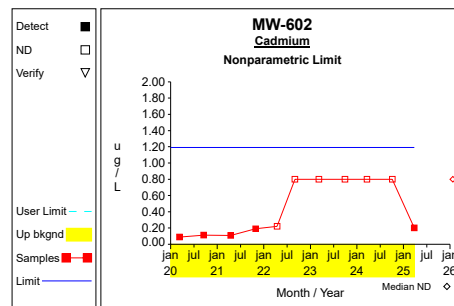
Graph 167



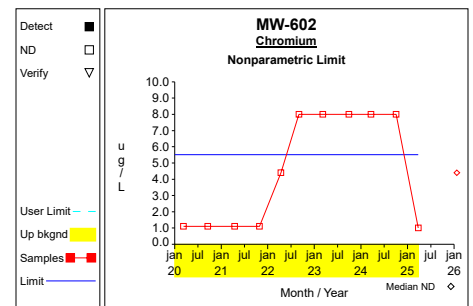
Graph 168



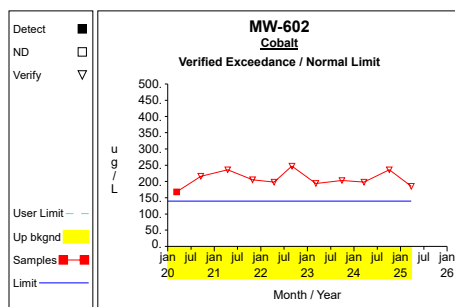
Graph 169



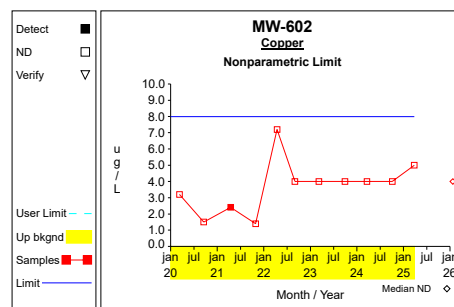
Graph 170



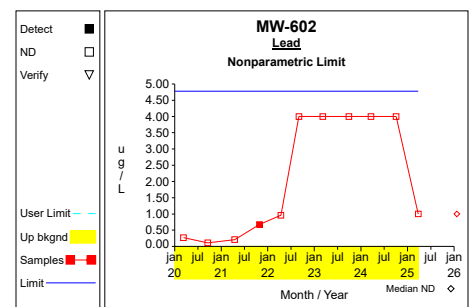
Graph 171



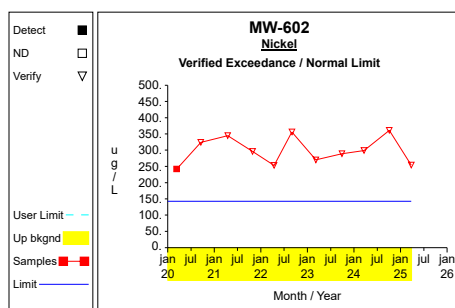
Graph 172



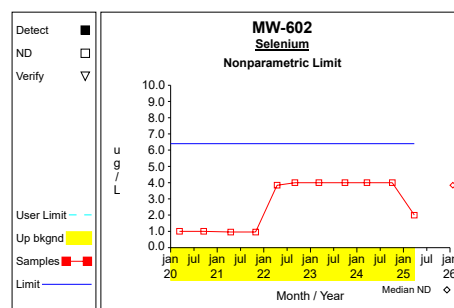
Graph 173



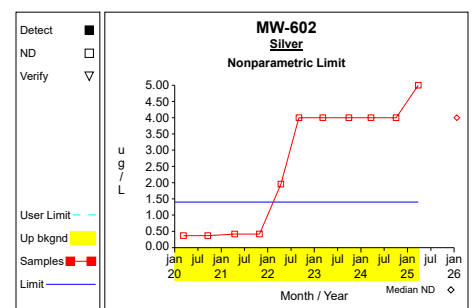
Graph 174



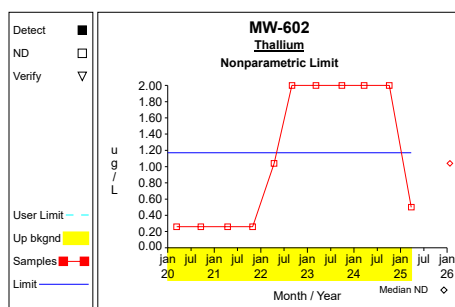
Graph 175



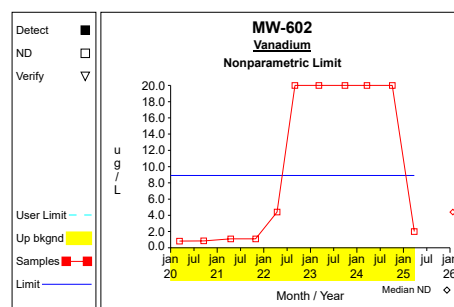
Graph 176



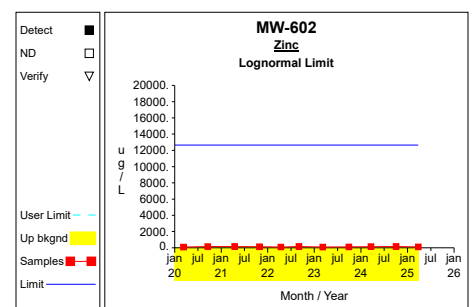
Graph 177



Graph 178

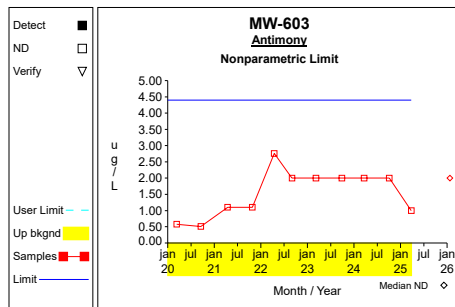


Graph 179

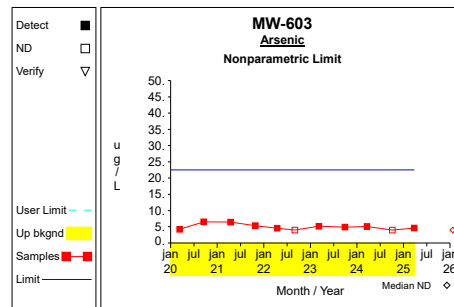


Graph 180

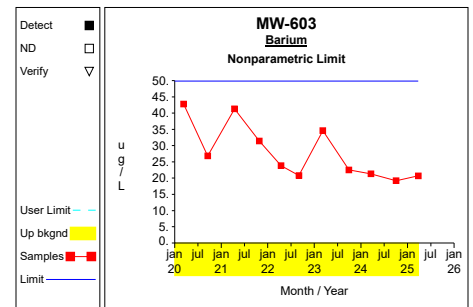
Up vs. Down Prediction Limits



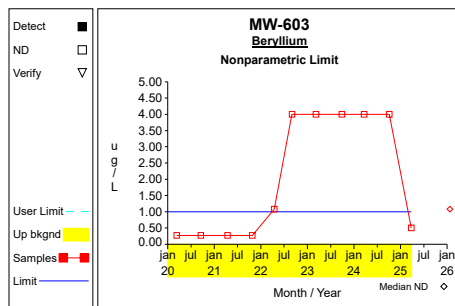
Graph 181



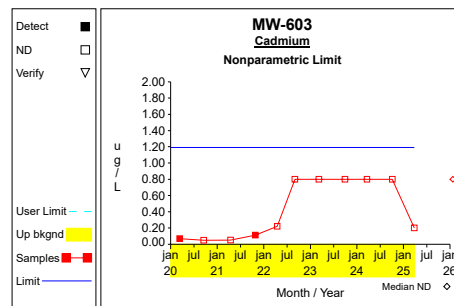
Graph 182



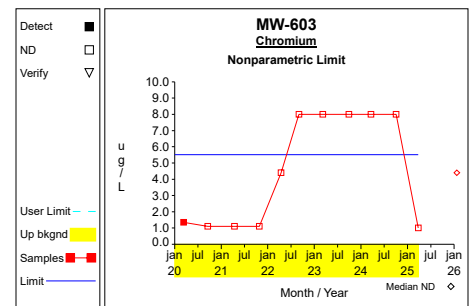
Graph 183



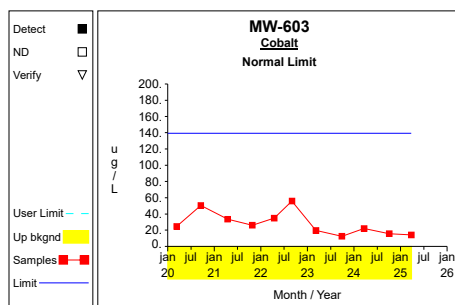
Graph 184



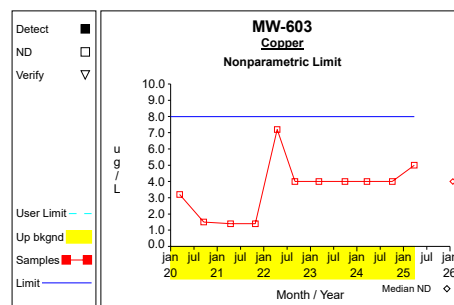
Graph 185



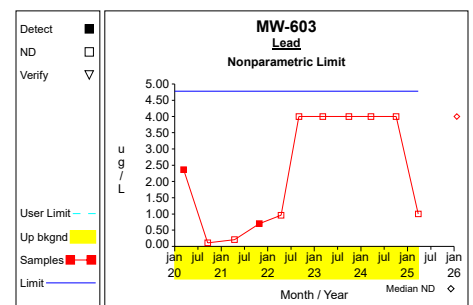
Graph 186



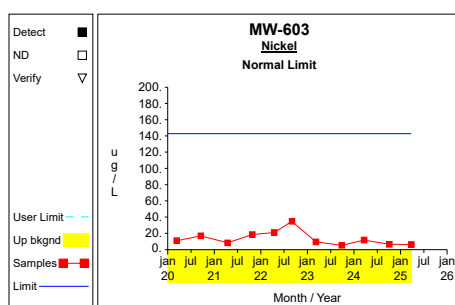
Graph 187



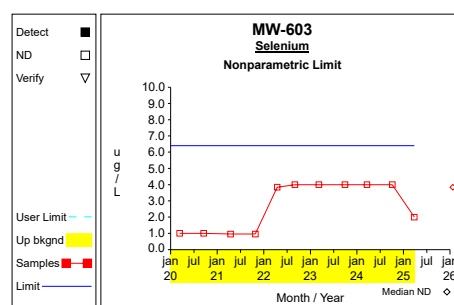
Graph 188



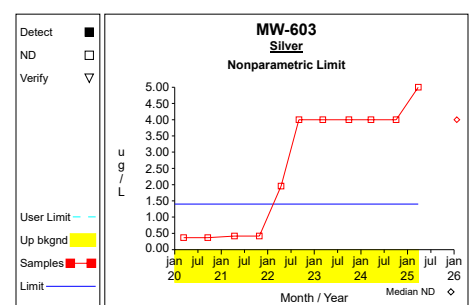
Graph 189



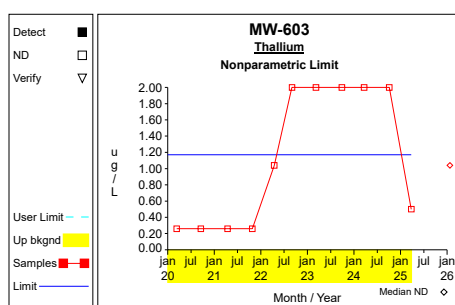
Graph 190



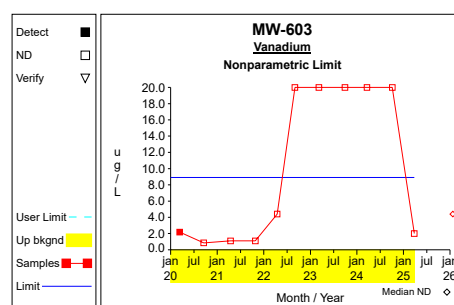
Graph 191



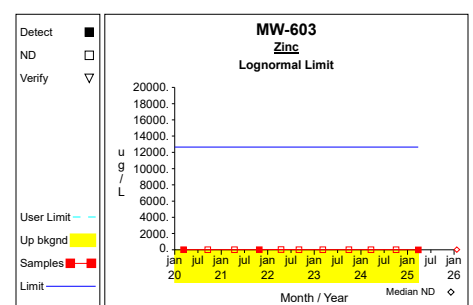
Graph 192



Graph 193

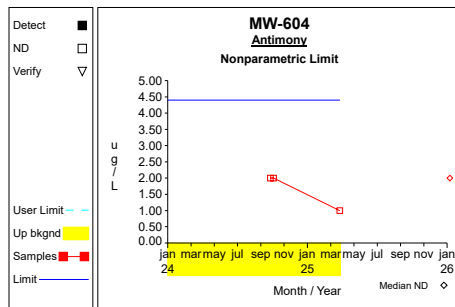


Graph 194

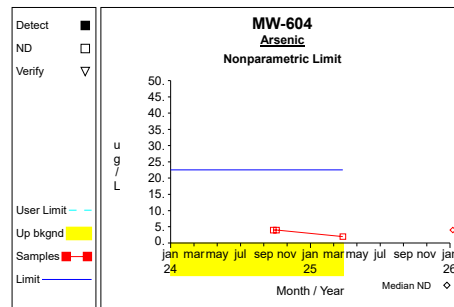


Graph 195

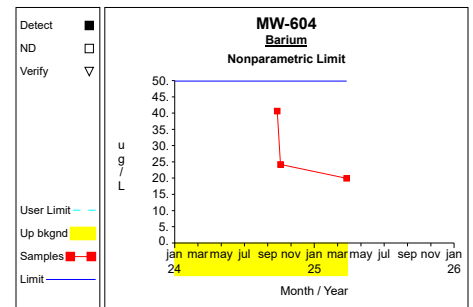
Up vs. Down Prediction Limits



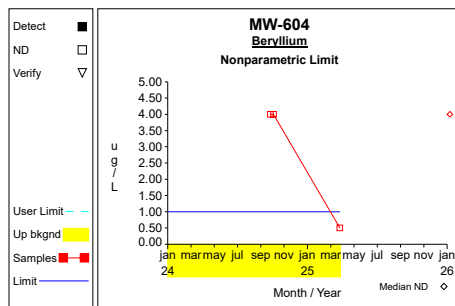
Graph 196



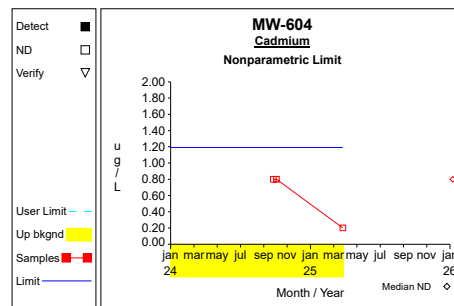
Graph 197



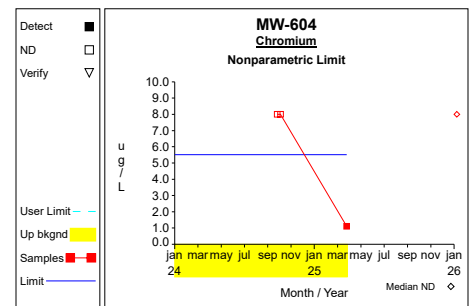
Graph 198



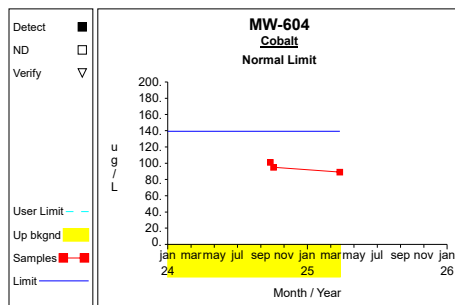
Graph 199



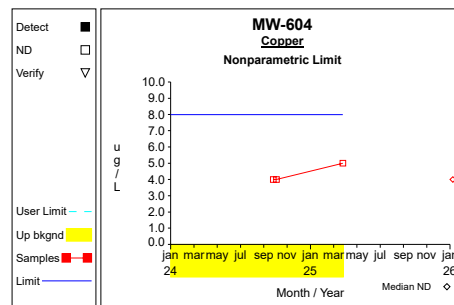
Graph 200



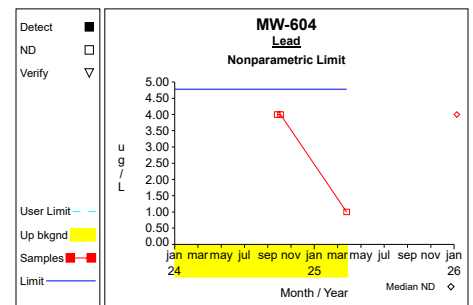
Graph 201



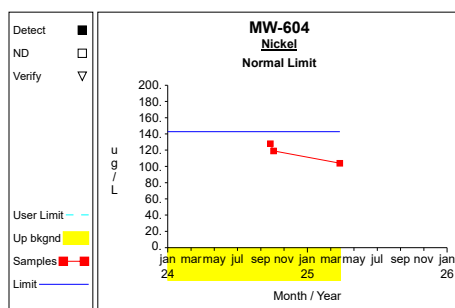
Graph 202



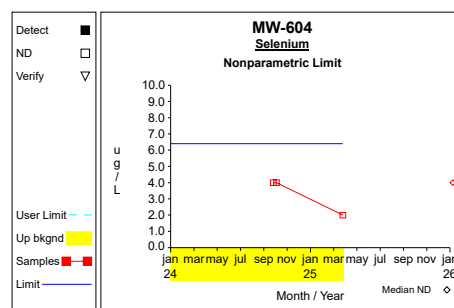
Graph 203



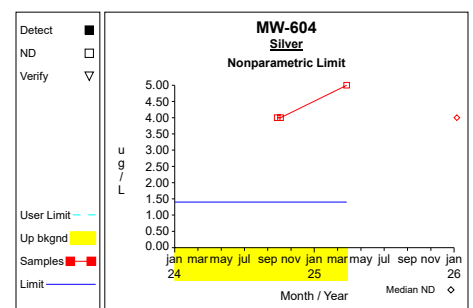
Graph 204



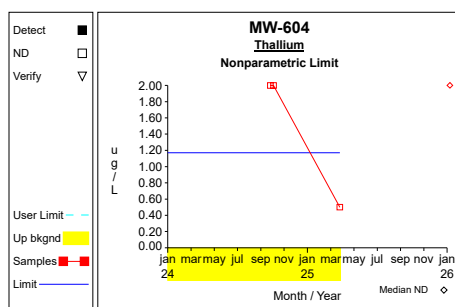
Graph 205



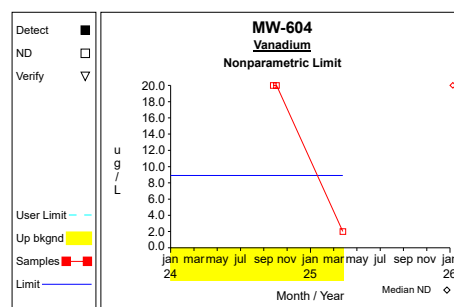
Graph 206



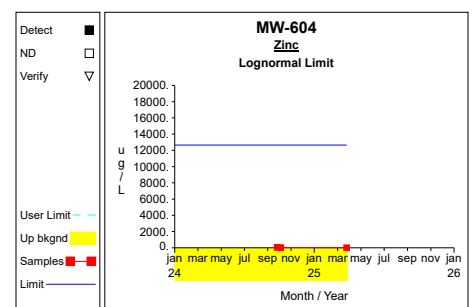
Graph 207



Graph 208

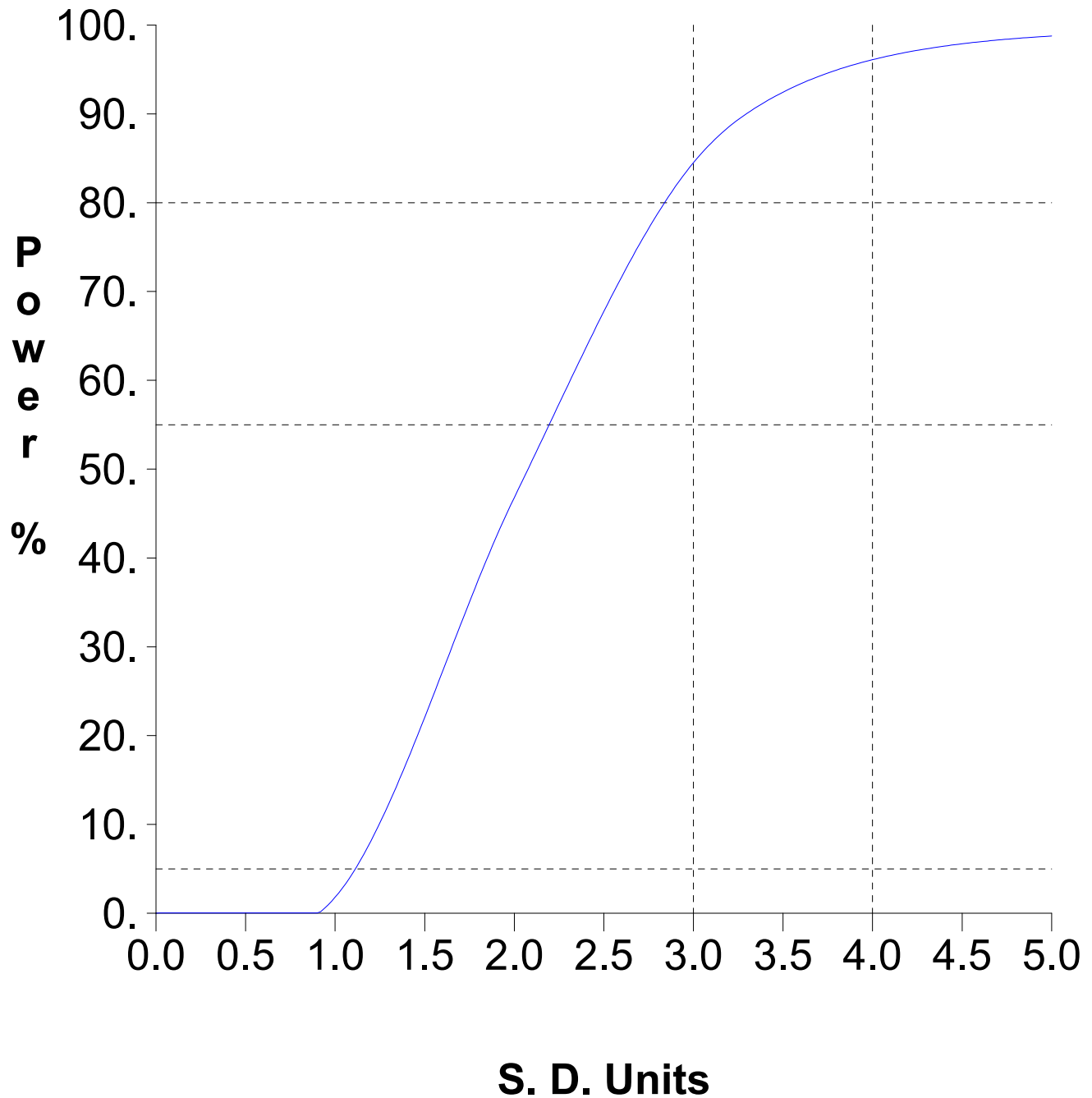


Graph 209



Graph 210

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



Attachment D

Summary Tables and Graphs for the LCL Comparisons – Trace Metals

Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic	ug/L	MW-300	4	2.700	2.400	1.176	0.000	5.523	10.000		
Arsenic	ug/L	MW-335	4	7.550	3.879	1.176	2.987	12.113	10.000		
Arsenic	ug/L	MW-380	4	6.140	3.476	1.176	2.051	10.229	10.000		
Arsenic	ug/L	MW-390	4	17.275	0.954	1.176	16.153	18.397	10.000		**

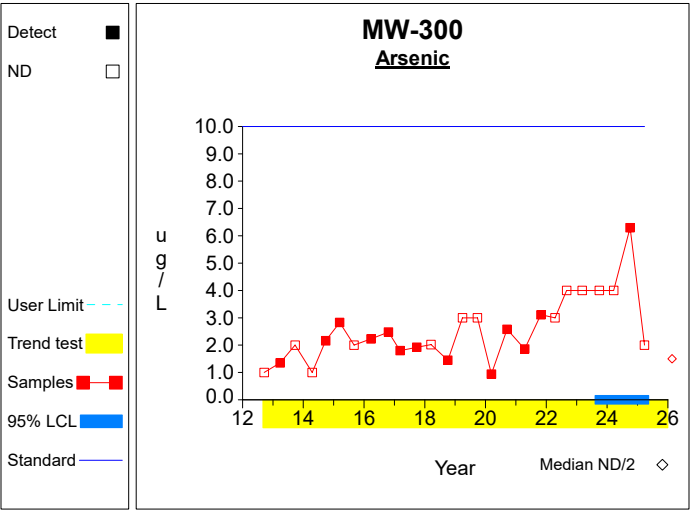
* - Insufficient Data

** - Significant Exceedance

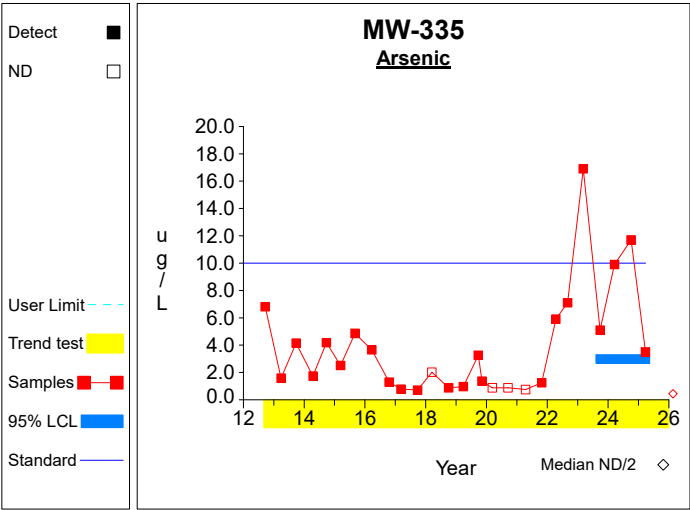
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

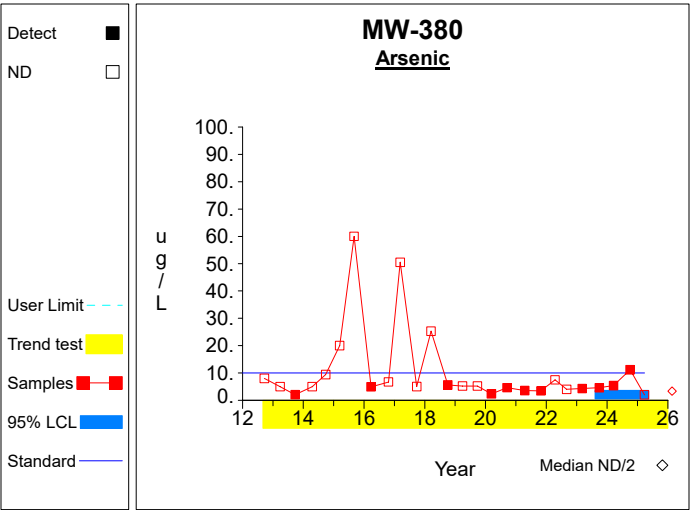
Confidence Limits (Assessment)



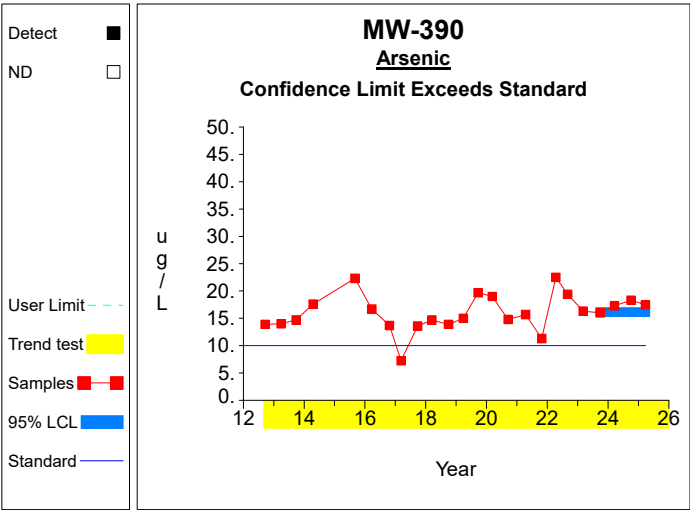
Graph 1



Graph 2



Graph 3



Graph 4

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
Barium	ug/L	MW-303	4	71.100	25.099	1.176	41.577	100.623	2000.000	
Barium	ug/L	MW-304	4	77.375	11.443	1.176	63.915	90.835	2000.000	
Barium	ug/L	MW-312	4	24.425	1.147	1.176	23.076	25.774	2000.000	

* - Insufficient Data

** - Significant Exceedance

LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

Confidence Limits (Assessment)

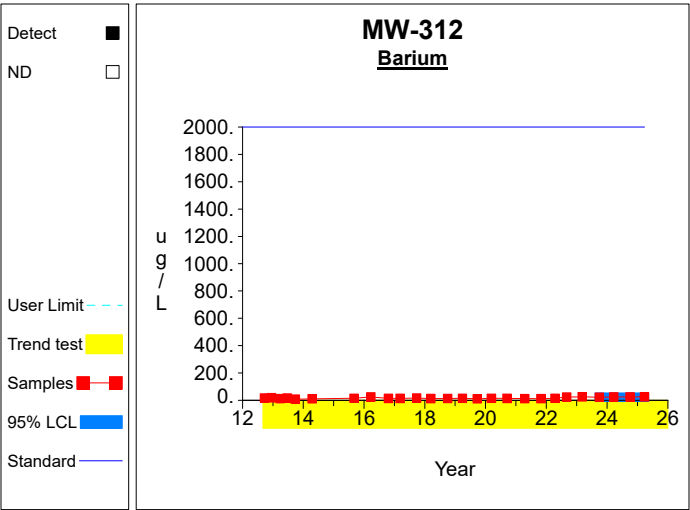
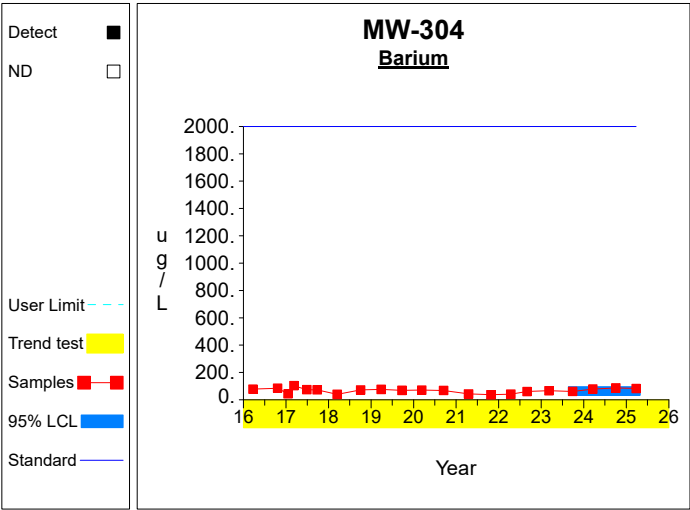
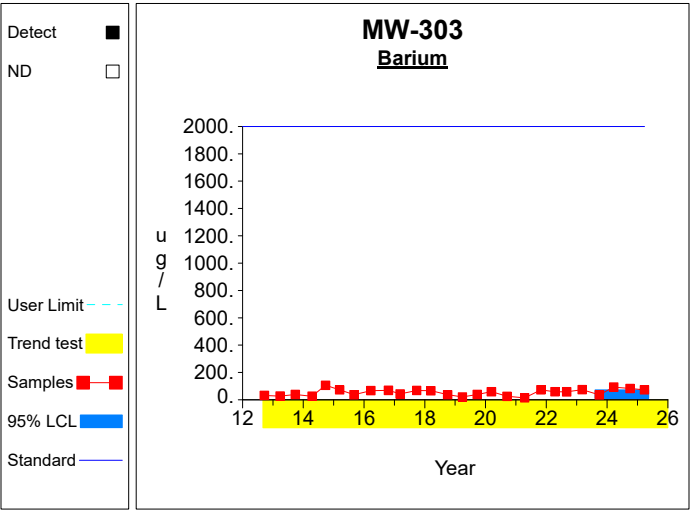


Table 1**Confidence Intervals for Comparing the Mean of the Last
4 Measurements to an Assessment Monitoring Standard**

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Beryllium	ug/L	MW-300	4	0.650	0.300	1.176	0.297	1.003	4.000	

* - Insufficient Data

** - Significant Exceedance

LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

Confidence Limits (Assessment)

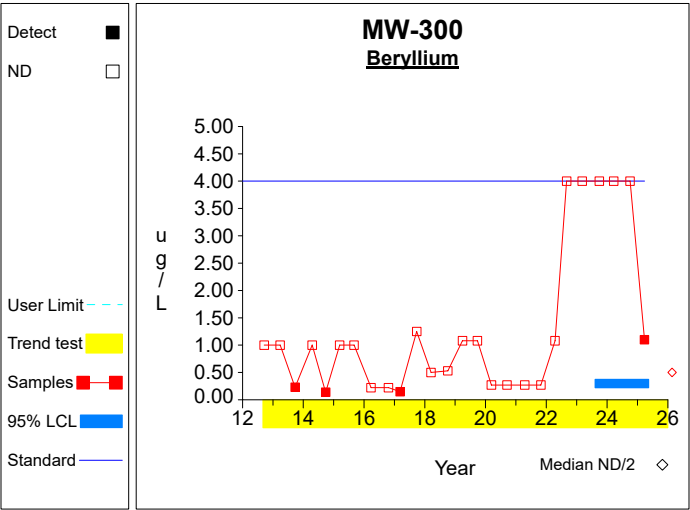


Table 1**Confidence Intervals for Comparing the Mean of the Last
4 Measurements to an Assessment Monitoring Standard**

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Cadmium	ug/L	MW-380	4	12.925	16.126	1.176	0.000	31.894	5.000	

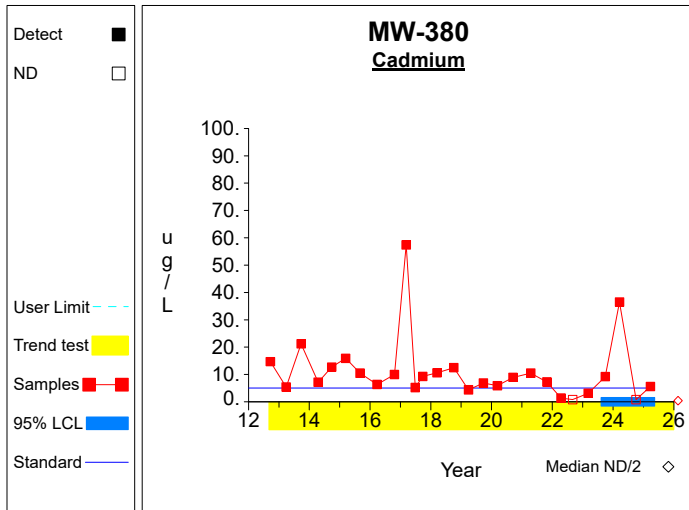
* - Insufficient Data

** - Significant Exceedance

LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

Confidence Limits (Assessment)



Graph 1

Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Cobalt	ug/L	GU-4AR	2								*
Cobalt	ug/L	MW-300	4	708.250	181.673	1.176	494.551	921.949	2.100		**
Cobalt	ug/L	MW-303	4	16.300	5.337	1.176	10.022	22.578	2.100		**
Cobalt	ug/L	MW-304	4	4.800	1.647	1.176	2.862	6.738	2.100		**
Cobalt	ug/L	MW-307	4	39.125	2.780	1.176	35.855	42.395	2.100	dec	**
Cobalt	ug/L	MW-312	4	40.675	3.480	1.176	36.582	44.768	2.100		**
Cobalt	ug/L	MW-335	4	38.075	2.530	1.176	35.099	41.051	2.100		**
Cobalt	ug/L	MW-344	4	180.000	36.083	1.176	137.556	222.444	2.100		**
Cobalt	ug/L	MW-380	4	611.000	497.362	1.176	25.959	1196.041	2.100	dec	**
Cobalt	ug/L	MW-382R	4	2.525	2.933	1.176	0.000	5.975	2.100		
Cobalt	ug/L	MW-390	4	105.225	5.956	1.176	98.219	112.231	2.100		**
Cobalt	ug/L	MW-602	4	205.500	21.703	1.176	179.972	231.028	2.100		**
Cobalt	ug/L	MW-603	4	16.075	4.211	1.176	11.121	21.029	2.100		**
Cobalt	ug/L	MW-604	3								*

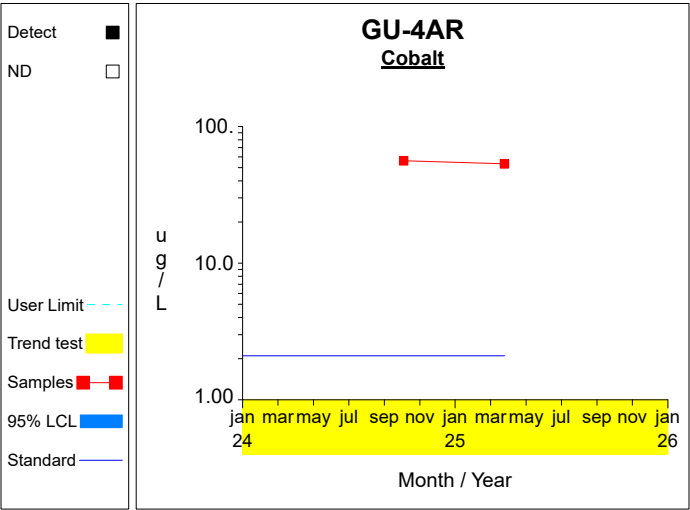
* - Insufficient Data

** - Significant Exceedance

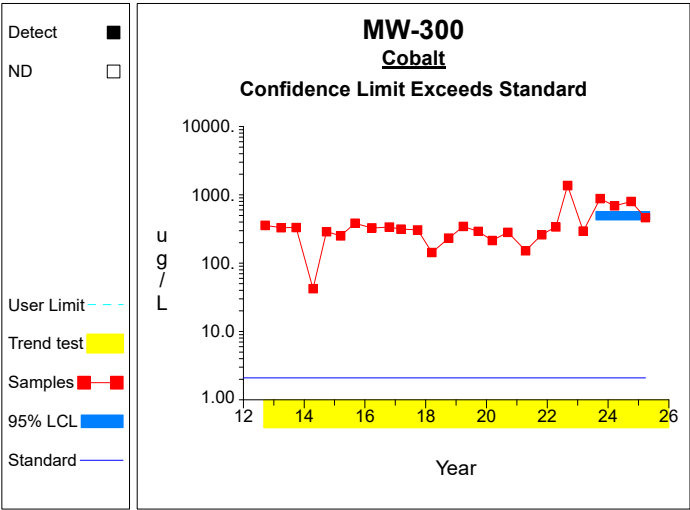
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

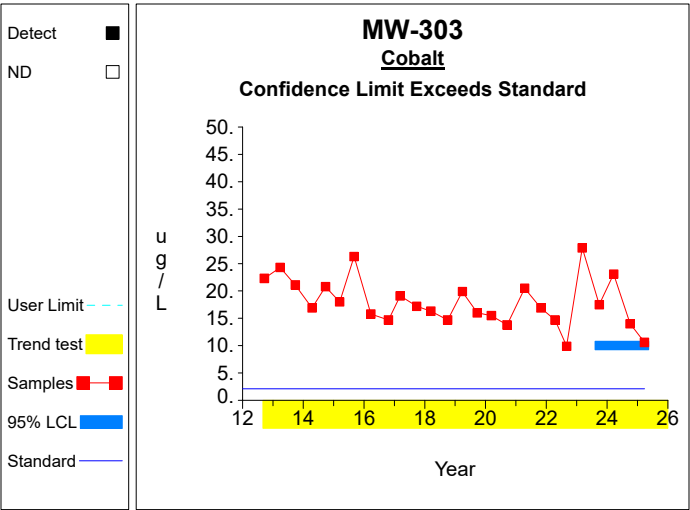
Confidence Limits (Assessment)



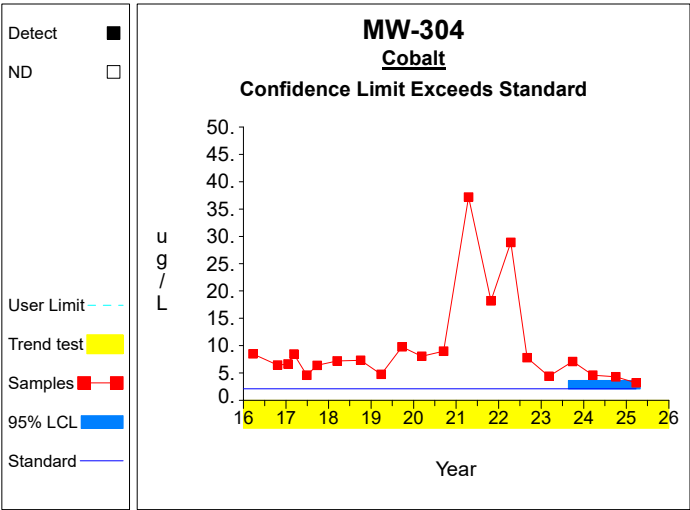
Graph 1



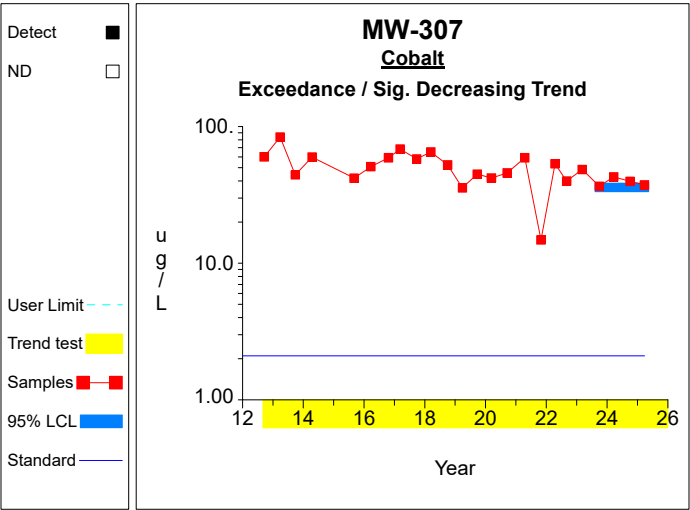
Graph 2



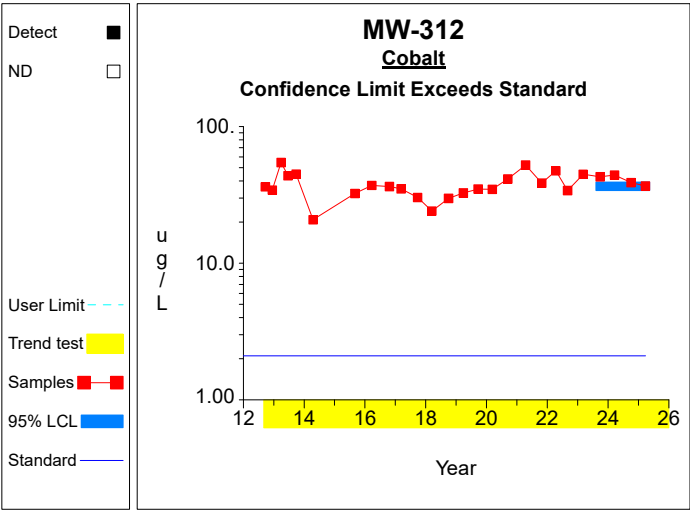
Graph 3



Graph 4

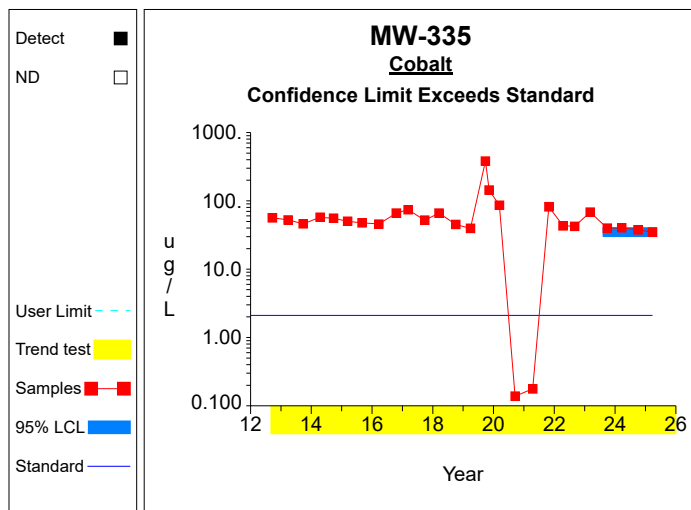


Graph 5

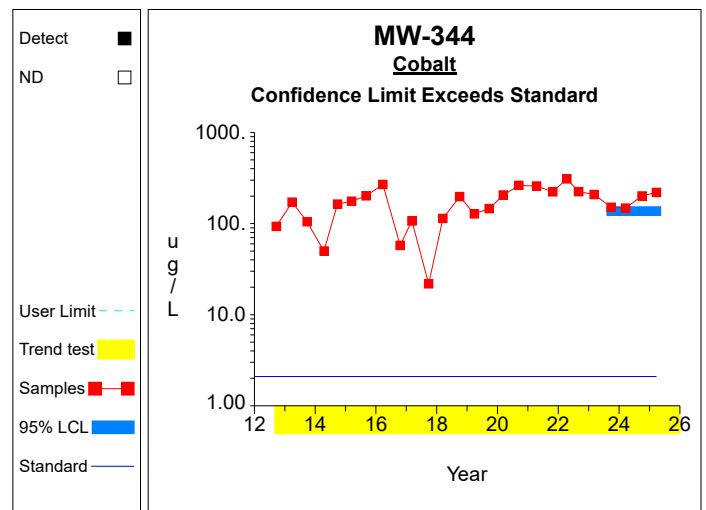


Graph 6

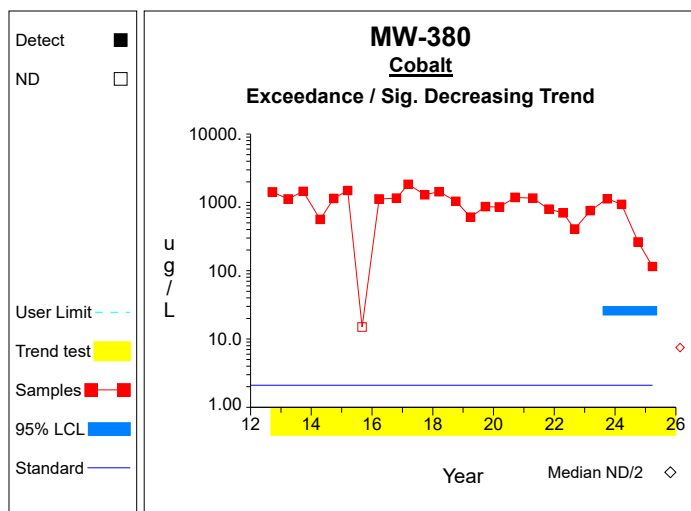
Confidence Limits (Assessment)



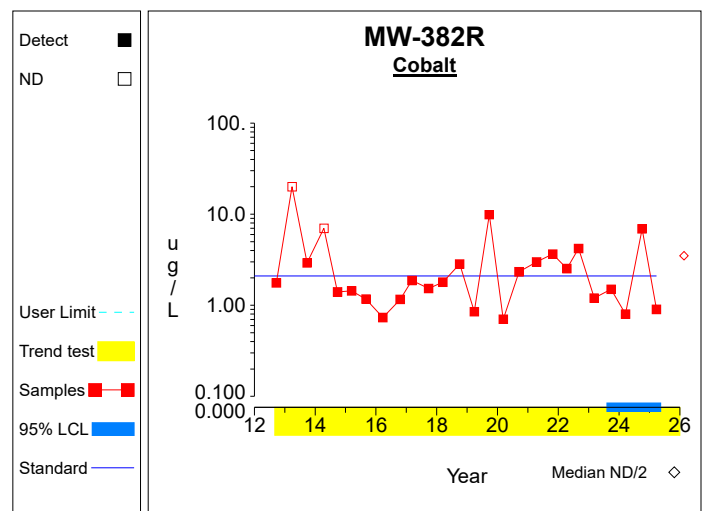
Graph 7



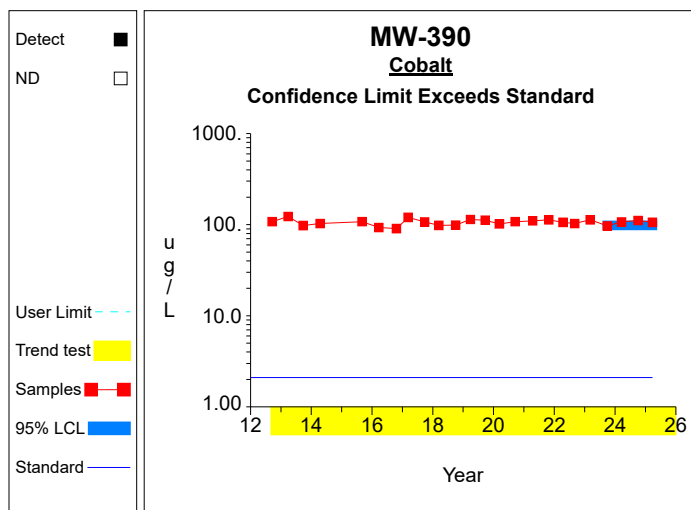
Graph 8



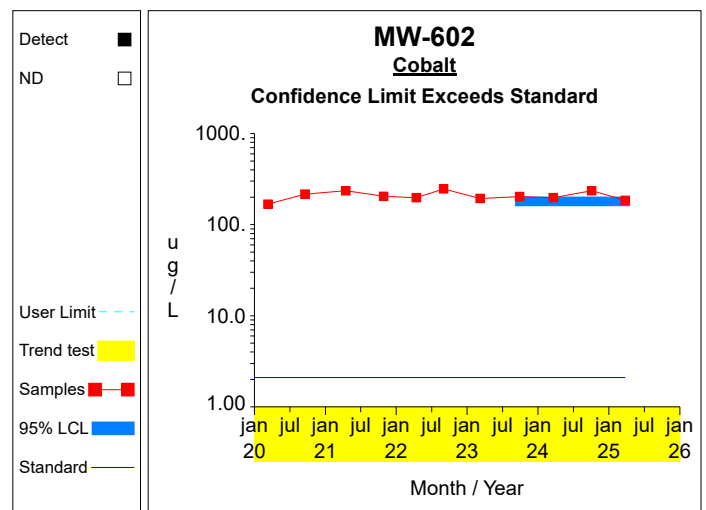
Graph 9



Graph 10

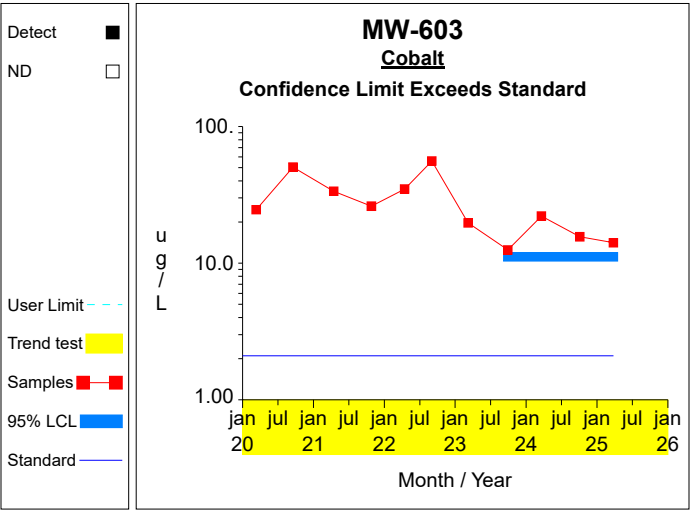


Graph 11

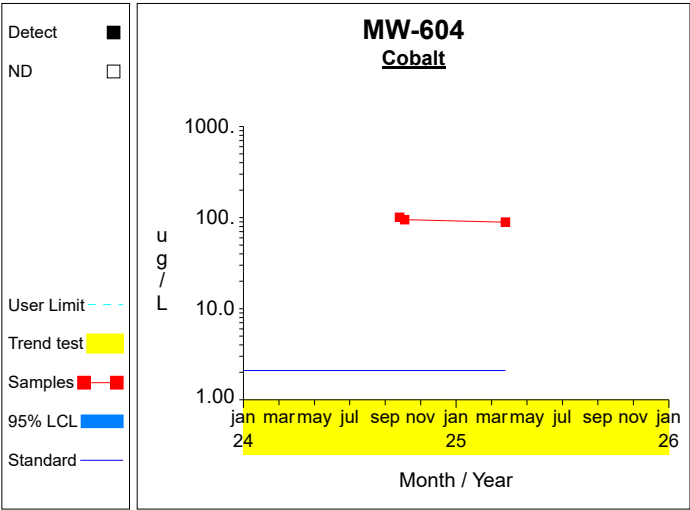


Graph 12

Confidence Limits (Assessment)



Graph 13



Graph 14

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	
Nickel	ug/L	MW-300	4	760.750	175.940	1.176	553.794	967.706	100.000		**
Nickel	ug/L	MW-344	4	131.500	19.053	1.176	109.089	153.911	100.000		**
Nickel	ug/L	MW-380	4	844.250	591.872	1.176	148.038	1540.462	100.000	dec	**
Nickel	ug/L	MW-382R	4	6.900	3.726	1.176	2.517	11.283	100.000		
Nickel	ug/L	MW-602	4	300.750	44.560	1.176	248.335	353.165	100.000		**

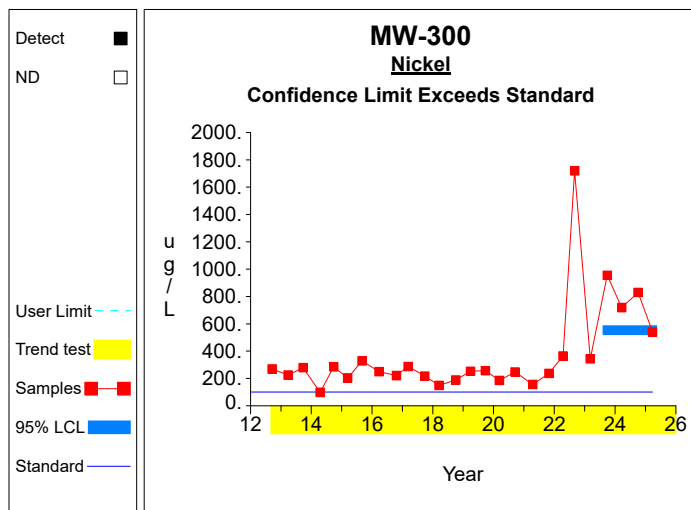
* - Insufficient Data

** - Significant Exceedance

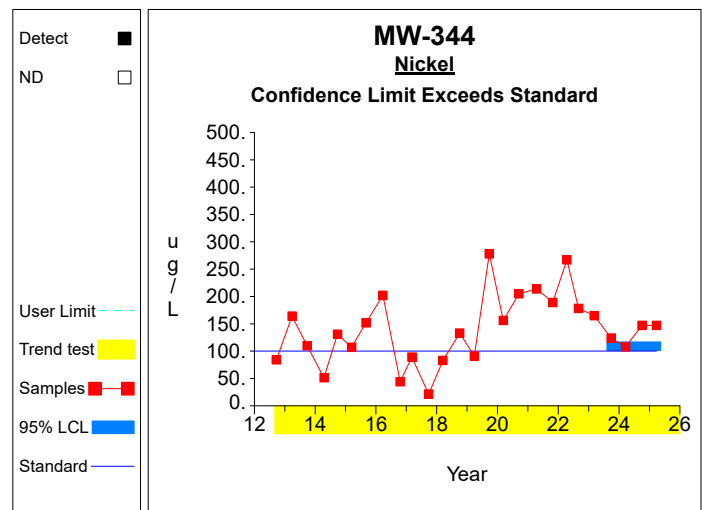
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

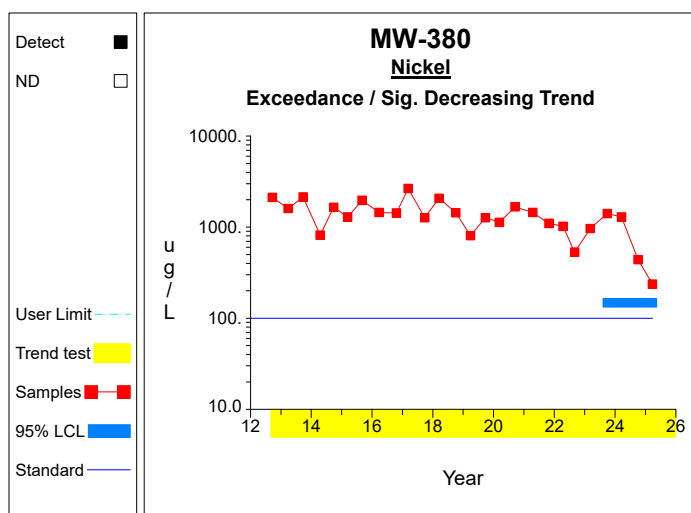
Confidence Limits (Assessment)



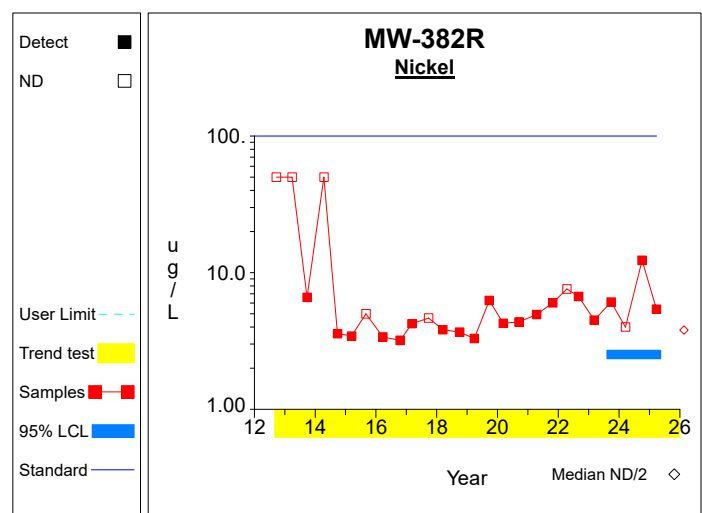
Graph 1



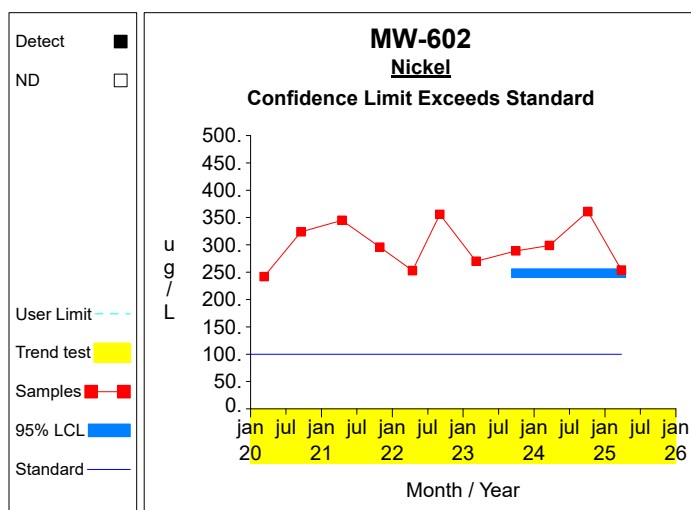
Graph 2



Graph 3



Graph 4



Graph 5

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
Zinc	ug/L	MW-300	4	1004.250	265.767	1.176	691.631	1316.869	2000.000	
Zinc	ug/L	MW-380	4	3647.500	2804.477	1.176	348.626	6946.374	2000.000	

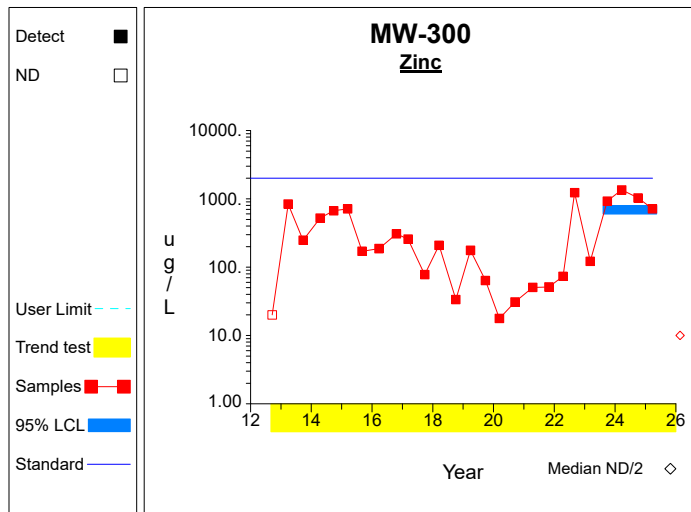
* - Insufficient Data

** - Significant Exceedance

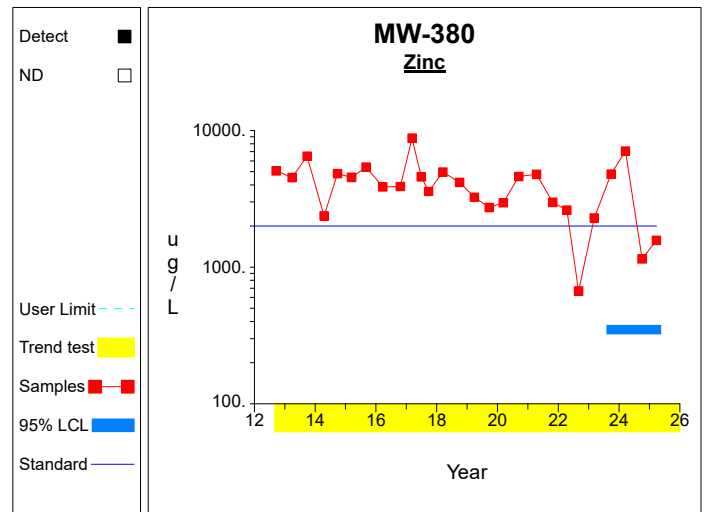
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

Confidence Limits (Assessment)



Graph 1



Graph 2

Attachment E

Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Acetone	GU-4A	9/27/2017		3.19	1.79	ug/L
Acetone	GU-4A	3/14/2018		2.79	1.79	ug/L
Bromomethane	GU-4A	10/20/2016		.433	.220	ug/L
Methylene Chloride	GU-4A	9/25/2014		.802	.170	ug/L
Methylene Chloride	GU-4A	10/20/2016		.303	.170	ug/L
Methylene Chloride	GU-4A	9/27/2017		.335	.170	ug/L
Vinyl Chloride	GU-4A	3/14/2018		.103	.100	ug/L
Acetone	MW-300	3/17/2009		16.40	4.62	ug/L
Acetone	MW-300	3/25/2010		12.50	.00	ug/L
Acetone	MW-300	9/23/2010		12.90	.00	ug/L
Acetone	MW-300	4/16/2014		47.80	1.79	ug/L
Acetone	MW-300	9/26/2017		4.29	1.79	ug/L
Acetone	MW-300	3/14/2018		48.60	1.79	ug/L
Acetone	MW-300	3/28/2019		3.10	3.10	ug/L
Acetone	MW-300	4/15/2021		5.12	3.10	ug/L
Acetone	MW-300	10/27/2021		5.67	3.10	ug/L
Methylene Chloride	MW-300	10/20/2016		.264	.170	ug/L
Methylene Chloride	MW-300	3/07/2017		.214	.170	ug/L
Styrene	MW-300	10/27/2021		.383	.370	ug/L
Xylenes, Total	MW-300	9/25/2013		1.11	.13	ug/L
Acetone	MW-303	9/25/2017		2.21	1.79	ug/L
Carbon Disulfide	MW-303	10/21/2016		.231	.150	ug/L
Methylene Chloride	MW-303	9/25/2014		.573	.170	ug/L
Methylene Chloride	MW-303	10/21/2016		.308	.170	ug/L
Methylene Chloride	MW-303	3/13/2018		.226	.170	ug/L
Xylenes, Total	MW-303	9/26/2013		.232	.130	ug/L
Xylenes, Total	MW-303	10/21/2016		.390	.130	ug/L
Xylenes, Total	MW-303	3/08/2017		.459	.130	ug/L
Acetone	MW-304	6/28/2017		3.74	1.79	ug/L
Acetone	MW-304	9/26/2017		2.99	1.79	ug/L
Bromomethane	MW-304	9/26/2017		.372	.220	ug/L
Bromomethane	MW-304	3/14/2018		.448	.220	ug/L
Methylene Chloride	MW-304	1/18/2017		.264	.170	ug/L
Acetone	MW-307	3/08/2017		2.61	1.79	ug/L
Acetone	MW-307	9/25/2017		2.41	1.79	ug/L
Acetonitrile	MW-307	9/26/2013		739	126	ug/L
Methylene Chloride	MW-307	10/21/2016		.231	.170	ug/L
Xylenes, Total	MW-307	10/21/2016		.324	.130	ug/L
Xylenes, Total	MW-307	3/08/2017		.362	.130	ug/L
Xylenes, Total	MW-307	3/27/2019		.481	.400	ug/L
Acetone	MW-310	3/08/2017		2.61	1.79	ug/L
Acetone	MW-310	9/27/2017		3.78	1.79	ug/L
Acetone	MW-310	3/14/2018		1.96	1.79	ug/L
Acetonitrile	MW-310	9/26/2013		841	126	ug/L
Methylene Chloride	MW-310	9/25/2014		.756	.170	ug/L
Methylene Chloride	MW-310	10/20/2016		.186	.170	ug/L
Xylenes, Total	MW-310	10/20/2016		.351	.130	ug/L
Xylenes, Total	MW-310	3/08/2017		1.090	.130	ug/L
Xylenes, Total	MW-310	9/27/2017		.363	.130	ug/L
Acetone	MW-312	3/08/2017		2.39	1.79	ug/L
Bromomethane	MW-312	9/25/2017		.233	.220	ug/L
Methylene Chloride	MW-312	10/21/2016		.295	.170	ug/L
Methylene Chloride	MW-312	3/13/2018		.334	.170	ug/L
Xylenes, Total	MW-312	3/08/2017		.654	.130	ug/L
Xylenes, Total	MW-312	10/27/2021		1.050	.400	ug/L
4,4'-DDD	MW-313	9/25/2013		.00214	.00188	ug/L
4,4'-DDE	MW-313	9/25/2013		.00320	.00219	ug/L
Acetone	MW-313	9/26/2014		1.88	1.79	ug/L
Acetone	MW-313	3/08/2017		1.87	1.79	ug/L
Acetone	MW-313	9/25/2017		2.76	1.79	ug/L
Acetone	MW-313	3/27/2019		3.82	3.10	ug/L
alpha-BHC	MW-313	9/25/2013		.00451	.00177	ug/L
beta-BHC	MW-313	9/25/2013		.00598	.00500	ug/L
Bromomethane	MW-313	10/21/2016		2.660	.220	ug/L
Bromomethane	MW-313	9/25/2017		.344	.220	ug/L
Bromomethane	MW-313	10/26/2021		1.280	1.100	ug/L
Chloromethane	MW-313	10/21/2016		.701	.310	ug/L
delta-BHC	MW-313	9/25/2013		.00444	.00240	ug/L
Iodomethane	MW-313	10/21/2016		1.41	.80	ug/L
Methylene Chloride	MW-313	10/21/2016		.277	.170	ug/L
Methylene Chloride	MW-313	3/13/2018		.207	.170	ug/L
Xylenes, Total	MW-313	9/25/2013		.321	.130	ug/L
Xylenes, Total	MW-313	10/21/2016		1.890	.130	ug/L
Xylenes, Total	MW-313	3/08/2017		.786	.130	ug/L
Acetonitrile	MW-333	9/26/2013		964	126	ug/L
Acetone	MW-335	9/26/2017		2.49	1.79	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Acetone	MW-335	3/14/2018		2.33	1.79	ug/L
Bromomethane	MW-335	9/26/2017		.402	.220	ug/L
Chloromethane	MW-335	10/19/2016		.336	.310	ug/L
Methylene Chloride	MW-335	9/25/2014		.617	.170	ug/L
Methylene Chloride	MW-335	10/19/2016		.260	.170	ug/L
Xylenes, Total	MW-335	3/07/2017		.173	.130	ug/L
1,1-Dichloroethane	MW-344	3/07/2017		.290	.210	ug/L
1,1-Dichloroethane	MW-344	9/26/2017		.475	.210	ug/L
1,1-Dichloroethane	MW-344	3/14/2018		.474	.210	ug/L
1,1-Dichloroethane	MW-344	9/15/2020		.408	.220	ug/L
1,1-Dichloroethane	MW-344	4/15/2021		.345	.220	ug/L
1,2-Dichloroethane	MW-344	9/26/2017		.207	.180	ug/L
Acetone	MW-344	3/14/2018		3.22	1.79	ug/L
Acetone	MW-344	3/28/2019		3.61	3.10	ug/L
Benzene	MW-344	9/25/2013		.215	.110	ug/L
Benzene	MW-344	4/15/2014		.268	.110	ug/L
Benzene	MW-344	9/26/2014		.198	.110	ug/L
Benzene	MW-344	3/12/2015		.281	.500	ug/L
Benzene	MW-344	10/19/2016		.594	.110	ug/L
Benzene	MW-344	3/07/2017		.543	.110	ug/L
Benzene	MW-344	9/26/2017		.894	.110	ug/L
Benzene	MW-344	3/14/2018		.715	.110	ug/L
Benzene	MW-344	10/02/2018		.732	.220	ug/L
Benzene	MW-344	9/24/2019		.541	.220	ug/L
Benzene	MW-344	9/15/2020		.836	.220	ug/L
Benzene	MW-344	4/15/2021		.722	.220	ug/L
Benzene	MW-344	10/27/2021		.918	.220	ug/L
Benzene	MW-344	4/14/2022		.390	.220	ug/L
Benzene	MW-344	9/29/2023		1.100	1.000	ug/L
Chloroethane	MW-344	9/25/2013		.514	.150	ug/L
Chloroethane	MW-344	9/26/2017		.462	.150	ug/L
cis-1,2-Dichloroethene	MW-344	3/27/2013		.301	.130	ug/L
cis-1,2-Dichloroethene	MW-344	9/25/2013		.976	.130	ug/L
cis-1,2-Dichloroethene	MW-344	4/15/2014		1.300	.130	ug/L
cis-1,2-Dichloroethene	MW-344	9/26/2014		.819	.130	ug/L
cis-1,2-Dichloroethene	MW-344	9/02/2015		1.140	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	3/23/2016		1.120	.010	ug/L
cis-1,2-Dichloroethene	MW-344	10/19/2016		2.040	.130	ug/L
cis-1,2-Dichloroethene	MW-344	3/07/2017		1.820	.130	ug/L
cis-1,2-Dichloroethene	MW-344	9/26/2017		2.480	.130	ug/L
cis-1,2-Dichloroethene	MW-344	3/14/2018		2.240	.130	ug/L
cis-1,2-Dichloroethene	MW-344	10/02/2018		1.900	.210	ug/L
cis-1,2-Dichloroethene	MW-344	3/28/2019		1.180	.210	ug/L
cis-1,2-Dichloroethene	MW-344	9/24/2019		1.820	.210	ug/L
cis-1,2-Dichloroethene	MW-344	3/10/2020		1.360	.210	ug/L
cis-1,2-Dichloroethene	MW-344	9/15/2020		2.440	.210	ug/L
cis-1,2-Dichloroethene	MW-344	4/15/2021		2.020	.210	ug/L
cis-1,2-Dichloroethene	MW-344	10/27/2021		2.180	.210	ug/L
cis-1,2-Dichloroethene	MW-344	4/14/2022		1.270	.210	ug/L
cis-1,2-Dichloroethene	MW-344	9/01/2022		1.900	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	9/29/2023		2.400	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	3/19/2024		1.100	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	10/03/2024		1.800	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	3/25/2025		1.600	1.000	ug/L
delta-BHC	MW-344	10/02/2018		.0029	.0025	ug/L
Endosulfan I	MW-344	10/02/2018		.00217	.00217	ug/L
Endrin	MW-344	10/02/2018		.00264	.00207	ug/L
gamma-BHC (Lindane)	MW-344	10/02/2018		.00220	.00207	ug/L
Methylene Chloride	MW-344	10/19/2016		.251	.170	ug/L
Vinyl Chloride	MW-344	9/24/2009		1.110	.000	ug/L
Vinyl Chloride	MW-344	3/25/2010		1.030	.000	ug/L
Vinyl Chloride	MW-344	9/22/2011		1.070	.000	ug/L
Vinyl Chloride	MW-344	3/16/2012		1.270	.000	ug/L
Vinyl Chloride	MW-344	9/20/2012		1.500	.000	ug/L
Vinyl Chloride	MW-344	3/27/2013		1.320	.100	ug/L
Vinyl Chloride	MW-344	9/25/2013		.858	.100	ug/L
Vinyl Chloride	MW-344	4/15/2014		.884	.100	ug/L
Vinyl Chloride	MW-344	9/26/2014		.484	.100	ug/L
Vinyl Chloride	MW-344	3/12/2015		.428	1.000	ug/L
Vinyl Chloride	MW-344	10/19/2016		.587	.100	ug/L
Vinyl Chloride	MW-344	3/07/2017		1.050	.100	ug/L
Vinyl Chloride	MW-344	9/26/2017		.705	.100	ug/L
Vinyl Chloride	MW-344	3/14/2018		.569	.100	ug/L
Vinyl Chloride	MW-344	9/24/2019		.513	.180	ug/L
Vinyl Chloride	MW-344	9/15/2020		.903	.180	ug/L
Vinyl Chloride	MW-344	4/15/2021		.840	.180	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Vinyl Chloride	MW-344	10/27/2021		.986	.180	ug/L
Vinyl Chloride	MW-344	4/14/2022		.383	.180	ug/L
Dichlorodifluoromethane	MW-345	9/25/2013		1.49	.20	ug/L
Methylene Chloride	MW-345	9/25/2014		.596	.170	ug/L
Acetone	MW-380	3/09/2017		12.20	1.79	ug/L
Acetone	MW-380	6/28/2017		4.52	1.79	ug/L
Acetone	MW-380	3/14/2018		2.46	1.79	ug/L
Bromomethane	MW-380	3/14/2018		.31	.22	ug/L
Methylene Chloride	MW-380	10/20/2016		.30	.17	ug/L
Xylenes, Total	MW-380	3/09/2017		.672	.130	ug/L
Acetone	MW-381	9/26/2017		2.94	1.79	ug/L
Acetone	MW-381	3/14/2018		2.87	1.79	ug/L
Bromomethane	MW-381	9/26/2017		.322	.220	ug/L
Bromomethane	MW-381	3/14/2018		.240	.220	ug/L
Methylene Chloride	MW-381	10/19/2016		.283	.170	ug/L
Xylenes, Total	MW-381	10/19/2016		.242	.130	ug/L
Xylenes, Total	MW-381	3/07/2017		.435	.130	ug/L
1,1-Dichloroethane	MW-382R	3/29/2011		2.90	.00	ug/L
1,1-Dichloroethane	MW-382R	6/25/2011		2.87	.00	ug/L
1,1-Dichloroethane	MW-382R	8/08/2011		2.74	.00	ug/L
1,1-Dichloroethane	MW-382R	9/22/2011		2.15	.00	ug/L
1,1-Dichloroethane	MW-382R	12/05/2011		2.98	.00	ug/L
1,1-Dichloroethane	MW-382R	3/16/2012		2.77	.00	ug/L
1,1-Dichloroethane	MW-382R	9/20/2012		2.10	.00	ug/L
1,1-Dichloroethane	MW-382R	3/27/2013		2.43	.21	ug/L
1,1-Dichloroethane	MW-382R	9/25/2013		2.00	.21	ug/L
1,1-Dichloroethane	MW-382R	4/15/2014		3.54	.21	ug/L
1,1-Dichloroethane	MW-382R	9/26/2014		2.00	.21	ug/L
1,1-Dichloroethane	MW-382R	3/12/2015		2.23	1.00	ug/L
1,1-Dichloroethane	MW-382R	9/02/2015		1.62	1.00	ug/L
1,1-Dichloroethane	MW-382R	3/23/2016		1.65	1.00	ug/L
1,1-Dichloroethane	MW-382R	10/19/2016		2.31	.21	ug/L
1,1-Dichloroethane	MW-382R	3/07/2017		1.81	.21	ug/L
1,1-Dichloroethane	MW-382R	9/26/2017		1.93	.21	ug/L
1,1-Dichloroethane	MW-382R	3/14/2018		2.60	.21	ug/L
1,1-Dichloroethane	MW-382R	10/02/2018		1.51	.22	ug/L
1,1-Dichloroethane	MW-382R	3/28/2019		1.60	.22	ug/L
1,1-Dichloroethane	MW-382R	9/24/2019		1.71	.22	ug/L
1,1-Dichloroethane	MW-382R	3/10/2020		1.74	.22	ug/L
1,1-Dichloroethane	MW-382R	9/16/2020		2.00	.22	ug/L
1,1-Dichloroethane	MW-382R	4/15/2021		1.41	.22	ug/L
1,1-Dichloroethane	MW-382R	10/27/2021		1.69	.22	ug/L
1,1-Dichloroethane	MW-382R	4/14/2022		1.09	.22	ug/L
1,1-Dichloroethane	MW-382R	3/06/2023		1.40	1.00	ug/L
1,1-Dichloroethane	MW-382R	10/03/2024		1.40	1.00	ug/L
Acetone	MW-382R	3/14/2018		2.06	1.79	ug/L
Bis(2-ethylhexyl)phthalate	MW-382R	9/29/2023		16	6	ug/L
Bromomethane	MW-382R	3/14/2018		.253	.220	ug/L
Chloroethane	MW-382R	9/25/2013		.433	.150	ug/L
cis-1,2-Dichloroethene	MW-382R	3/27/2013		.383	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	9/25/2013		.320	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	4/15/2014		.267	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	9/26/2014		.270	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	10/19/2016		.414	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	3/07/2017		.385	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	9/26/2017		.484	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	3/14/2018		.449	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	10/02/2018		.401	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	3/28/2019		.439	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	9/24/2019		.345	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	9/16/2020		.487	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	4/15/2021		.289	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	10/27/2021		.406	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	4/14/2022		.307	.210	ug/L
Dichlorodifluoromethane	MW-382R	3/16/2012		3.110	.000	ug/L
Dichlorodifluoromethane	MW-382R	3/27/2013		2.400	.200	ug/L
Dichlorodifluoromethane	MW-382R	9/25/2013		2.730	.200	ug/L
Dichlorodifluoromethane	MW-382R	4/15/2014		2.140	.200	ug/L
Dichlorodifluoromethane	MW-382R	9/26/2014		2.700	.200	ug/L
Dichlorodifluoromethane	MW-382R	3/12/2015		1.590	.200	ug/L
Dichlorodifluoromethane	MW-382R	10/19/2016		1.770	.200	ug/L
Dichlorodifluoromethane	MW-382R	3/07/2017		1.860	.200	ug/L
Dichlorodifluoromethane	MW-382R	9/26/2017		.898	.200	ug/L
Dichlorodifluoromethane	MW-382R	3/14/2018		1.110	.200	ug/L
Dichlorodifluoromethane	MW-382R	10/02/2018		.962	.250	ug/L
Methylene Chloride	MW-382R	3/27/2013		.193	.170	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
Methylene Chloride	MW-382R	10/19/2016		.394	.170	ug/L
Methylene Chloride	MW-382R	3/07/2017		.312	.170	ug/L
Vinyl Chloride	MW-382R	9/25/2013		.345	.100	ug/L
Vinyl Chloride	MW-382R	3/14/2018		.296	.100	ug/L
Vinyl Chloride	MW-382R	4/15/2021		.206	.180	ug/L
Vinyl Chloride	MW-382R	10/27/2021		.241	.180	ug/L
Xylenes, Total	MW-382R	9/25/2013		.134	.130	ug/L
Acetonitrile	MW-383	9/26/2013		1170	126	ug/L
Methylene Chloride	MW-383	3/27/2013		.238	.170	ug/L
Methylene Chloride	MW-383	9/25/2014		.424	.170	ug/L
1,2-Dichloroethane	MW-384	3/14/2018		.195	.180	ug/L
Acetone	MW-384	3/09/2017		2.77	1.79	ug/L
Acetone	MW-384	9/27/2017		2.49	1.79	ug/L
Bromomethane	MW-384	10/20/2016		.313	.220	ug/L
Methylene Chloride	MW-384	9/25/2014		.520	.170	ug/L
Methylene Chloride	MW-384	9/27/2017		.292	.170	ug/L
Xylenes, Total	MW-384	9/01/2015		3.000	3.000	ug/L
Xylenes, Total	MW-384	10/20/2016		.707	.130	ug/L
Xylenes, Total	MW-384	3/09/2017		.949	.130	ug/L
Acetone	MW-385	3/08/2017		3.51	1.79	ug/L
Acetone	MW-385	9/27/2017		3.14	1.79	ug/L
Bromomethane	MW-385	10/20/2016		.599	.220	ug/L
Methylene Chloride	MW-385	3/28/2013		.343	.170	ug/L
Methylene Chloride	MW-385	9/25/2014		.448	.170	ug/L
Methylene Chloride	MW-385	10/20/2016		.224	.170	ug/L
Methylene Chloride	MW-385	3/08/2017		.501	.170	ug/L
Methylene Chloride	MW-385	9/27/2017		.380	.170	ug/L
Xylenes, Total	MW-385	10/20/2016		.387	.130	ug/L
Xylenes, Total	MW-385	3/08/2017		.898	.130	ug/L
Xylenes, Total	MW-385	9/27/2017		.164	.130	ug/L
Acetone	MW-390	3/08/2017		7.42	1.79	ug/L
Acetone	MW-390	9/25/2017		2.90	1.79	ug/L
Acetone	MW-390	3/27/2019		3.35	3.10	ug/L
Acetone	MW-390	3/09/2020		5.37	3.10	ug/L
Carbon Disulfide	MW-390	9/25/2017		.177	.150	ug/L
Methylene Chloride	MW-390	10/21/2016		.397	.170	ug/L
Methylene Chloride	MW-390	3/13/2018		.209	.170	ug/L
Xylenes, Total	MW-390	10/21/2016		.464	.130	ug/L
Xylenes, Total	MW-390	3/08/2017		.566	.130	ug/L
Xylenes, Total	MW-390	3/27/2019		1.050	.400	ug/L
Benzene	MW-603	3/10/2020		.312	.220	ug/L

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

Attachment F

Summary Tables and Graphs for the LCL Comparisons – VOCs

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-344	4	0.500	0.000	1.176	0.500	0.500	140.000	
cis-1,2-Dichloroethene	ug/L	MW-344	4	1.725	0.538	1.176	1.092	2.358	70.000	
1,1-Dichloroethane	ug/L	MW-382R	4	0.725	0.450	1.176	0.196	1.254	140.000	dec
cis-1,2-Dichloroethene	ug/L	MW-382R	4	0.500	0.000	1.176	0.500	0.500	70.000	

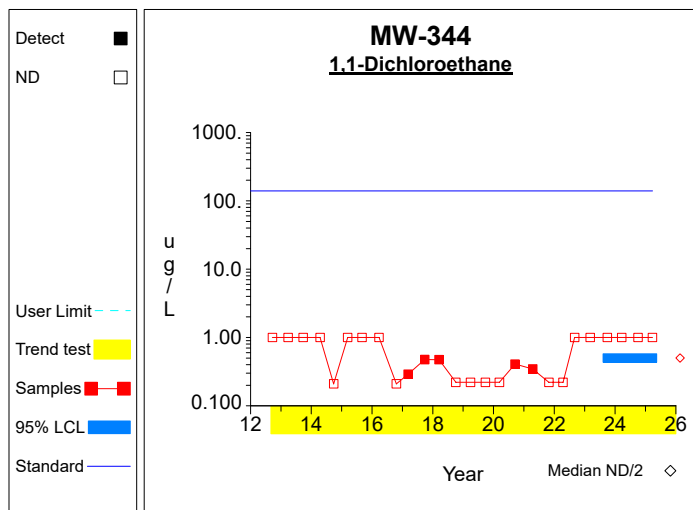
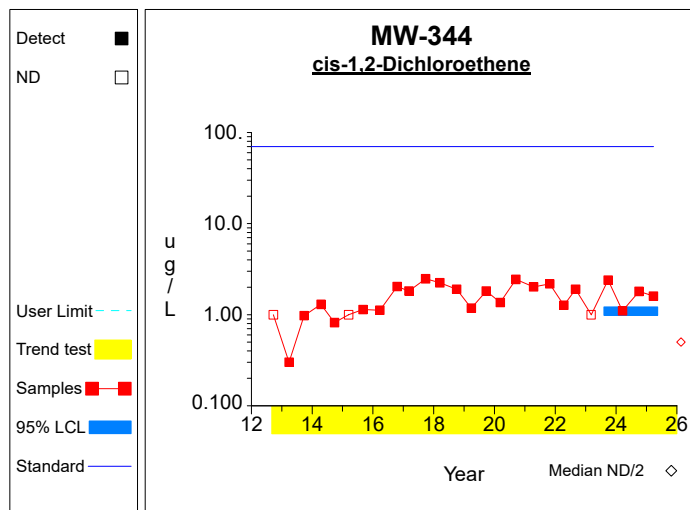
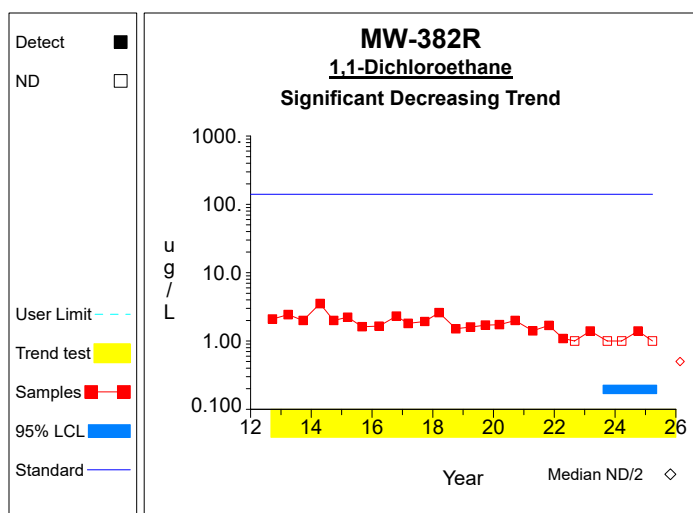
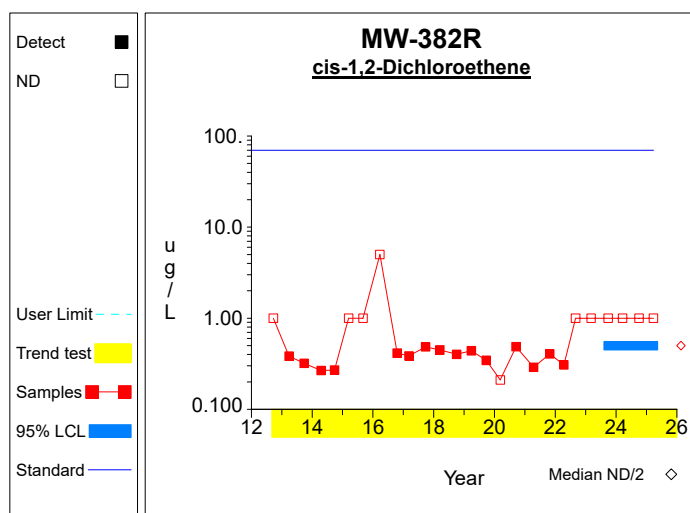
* - Insufficient Data

** - Significant Exceedance

LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

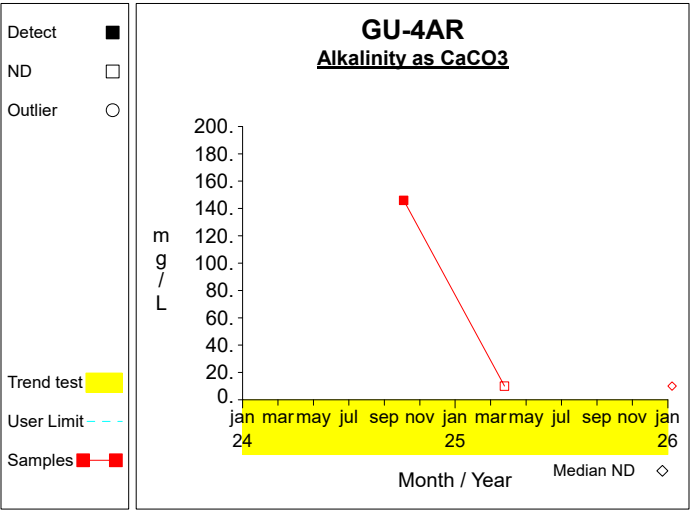
Confidence Limits (Assessment)

**Graph 1****Graph 2****Graph 3****Graph 4**

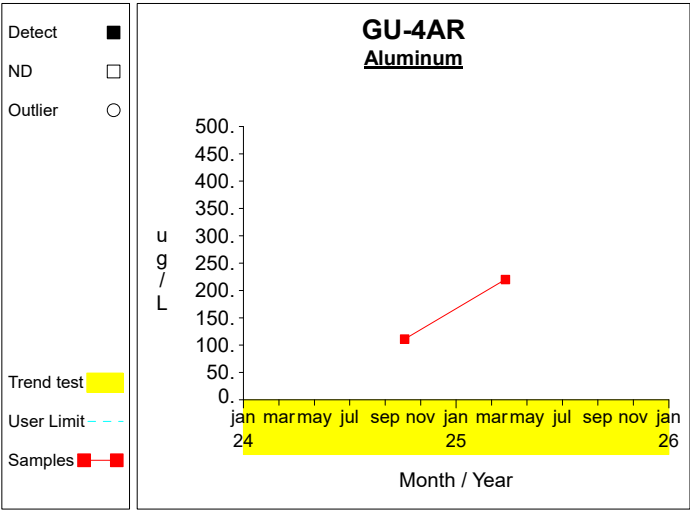
Attachment G

Time Series Plots of Inorganics

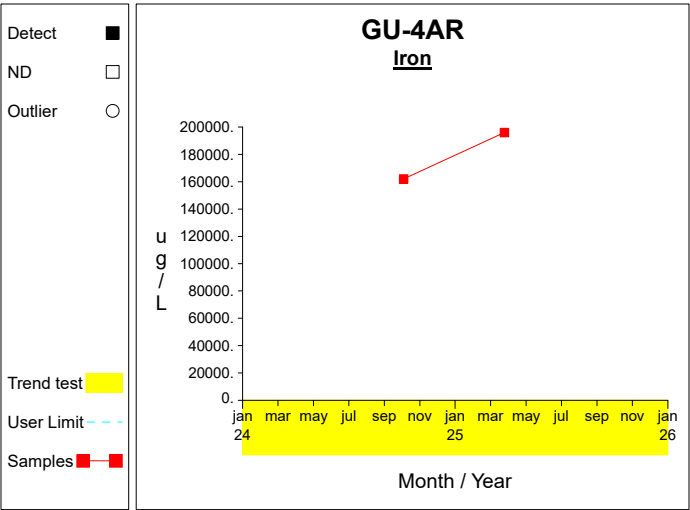
Time Series



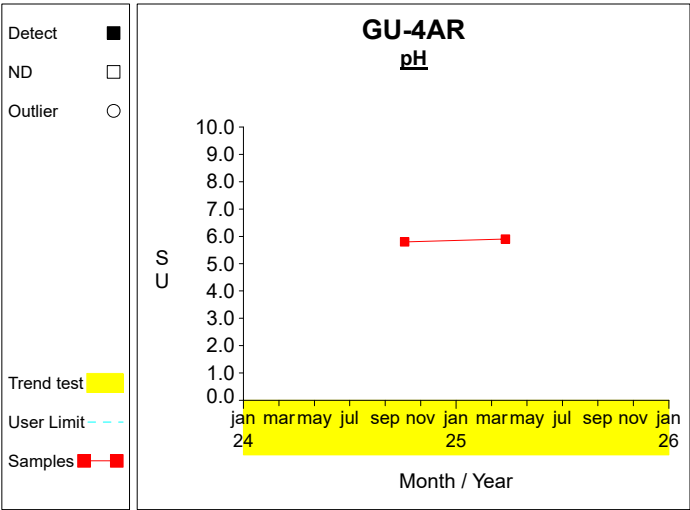
Graph 1



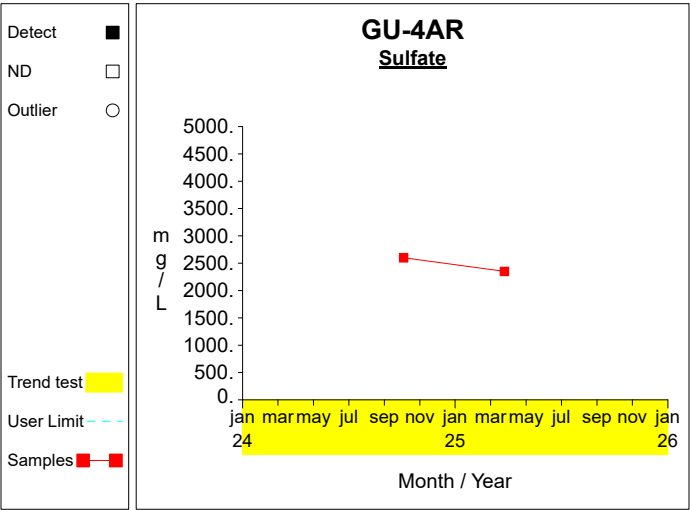
Graph 2



Graph 3

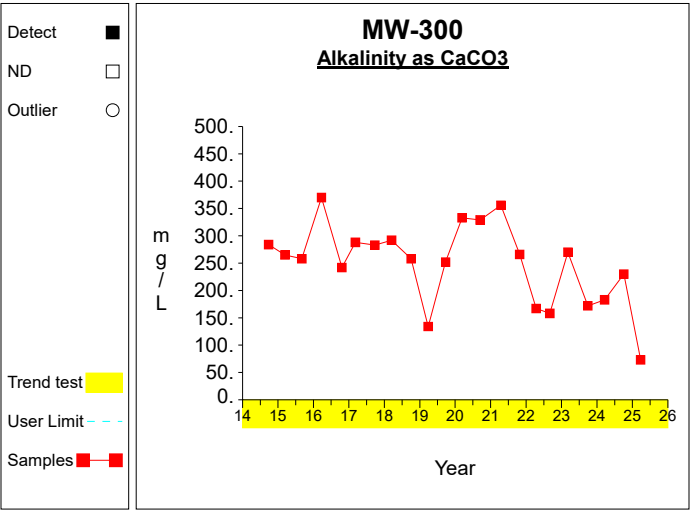


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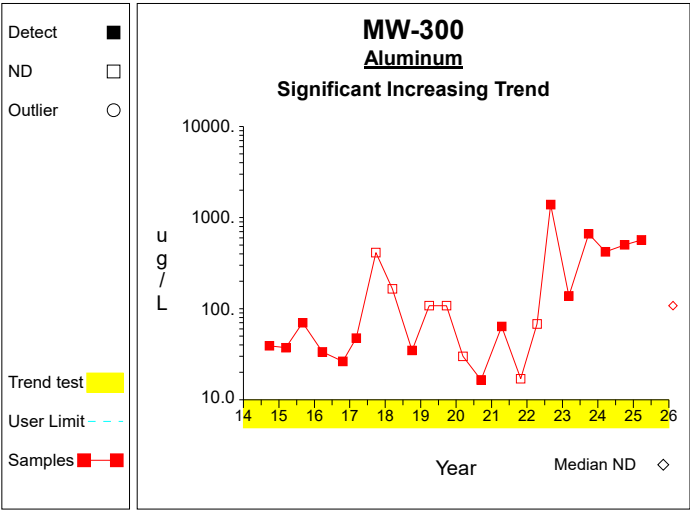


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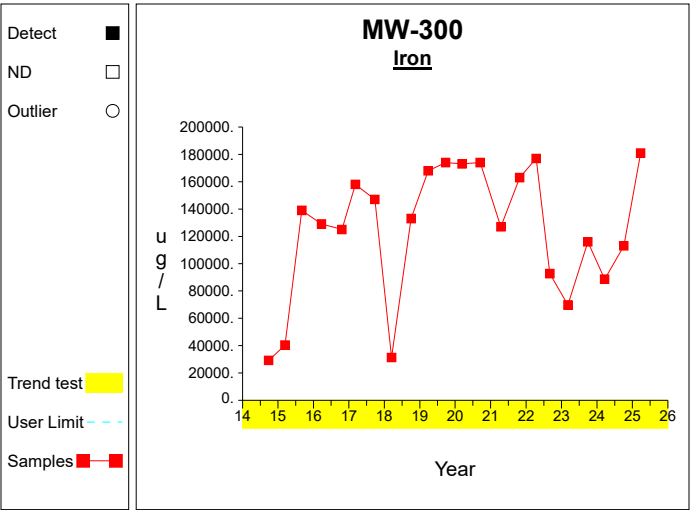
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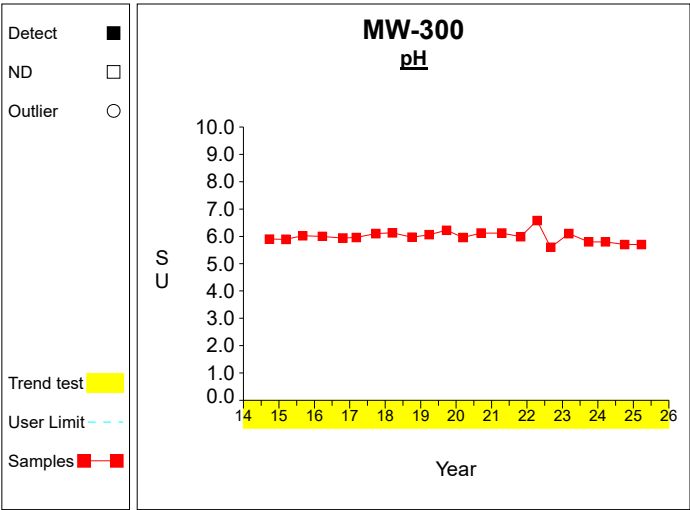
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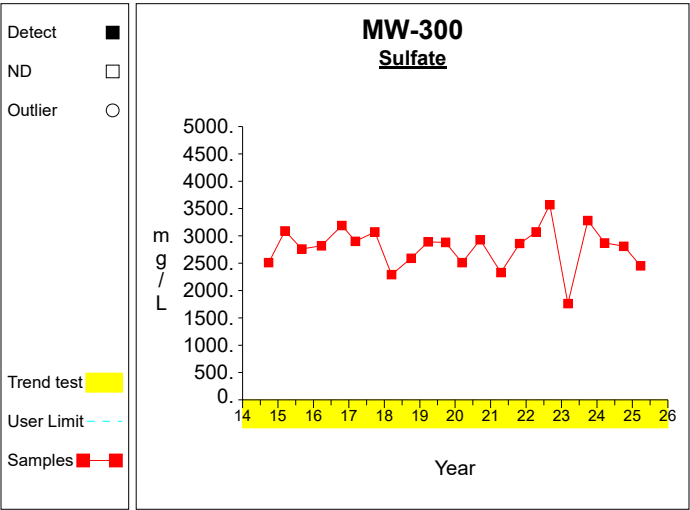
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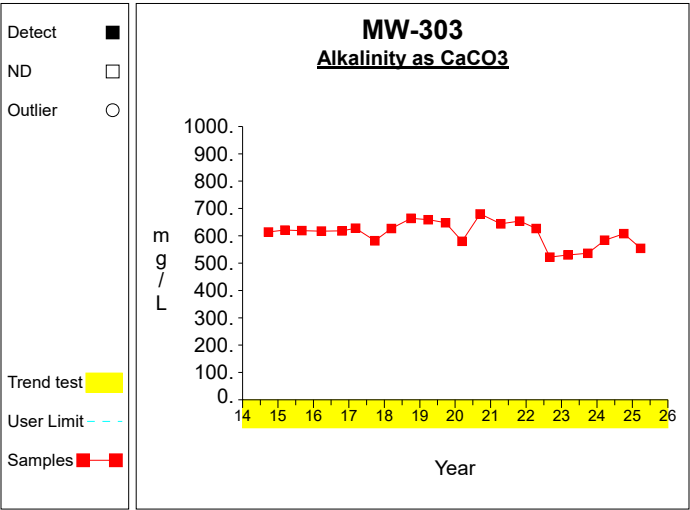


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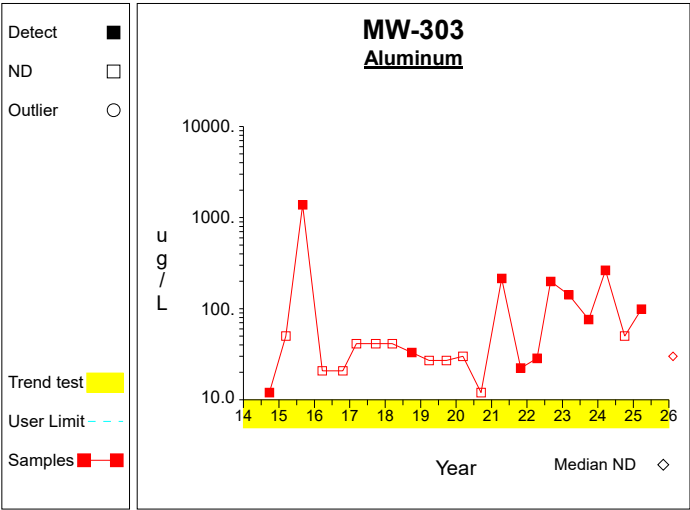


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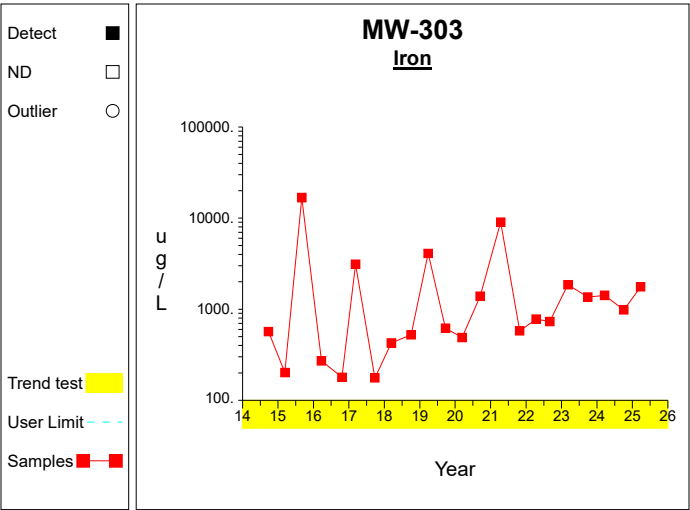
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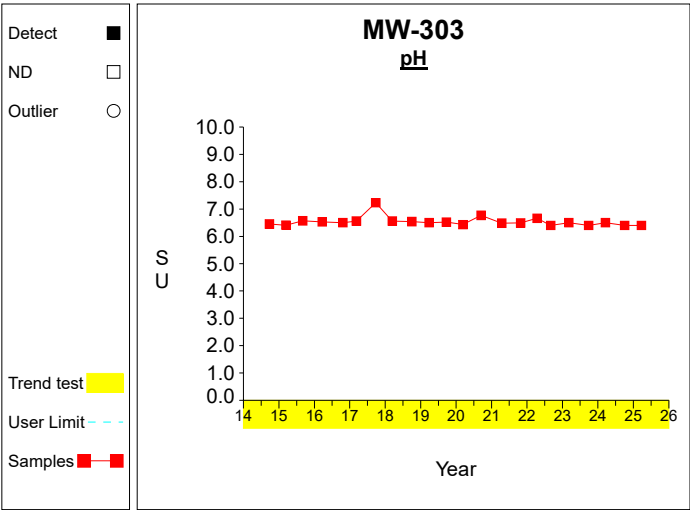
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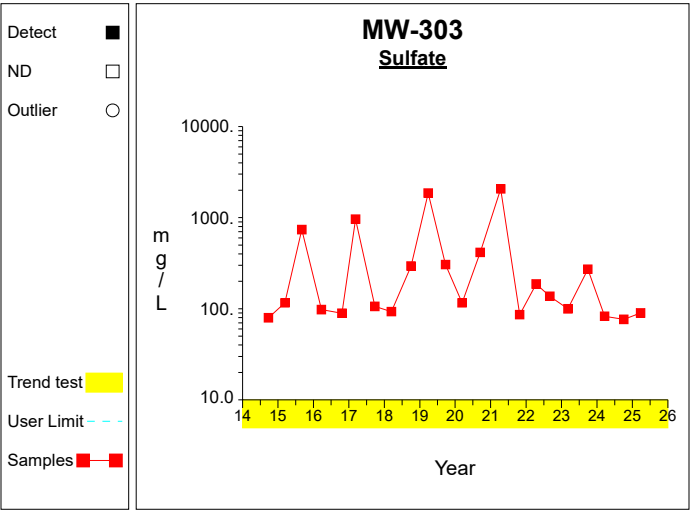
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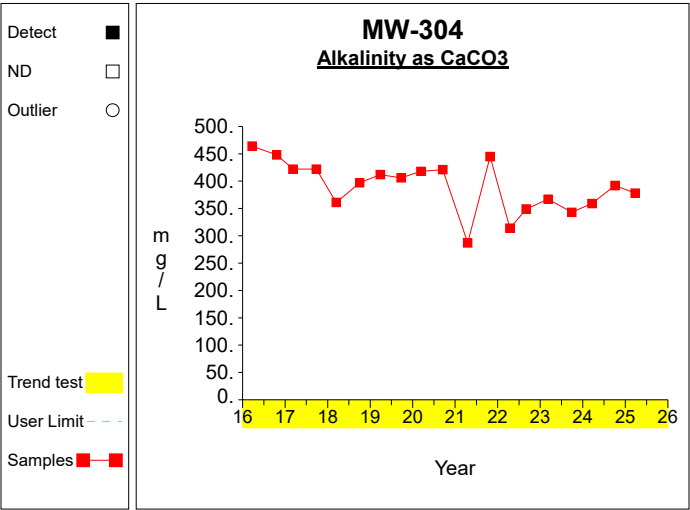


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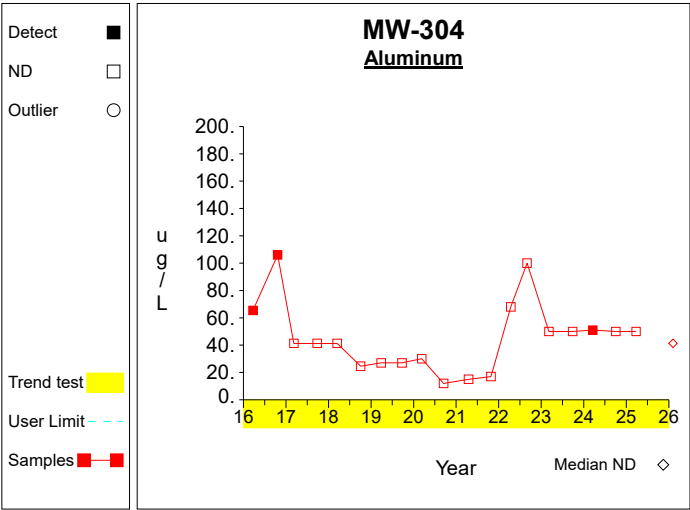


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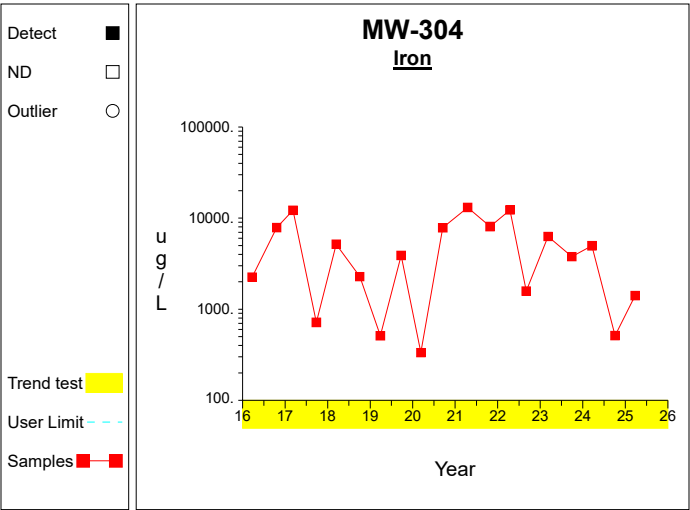
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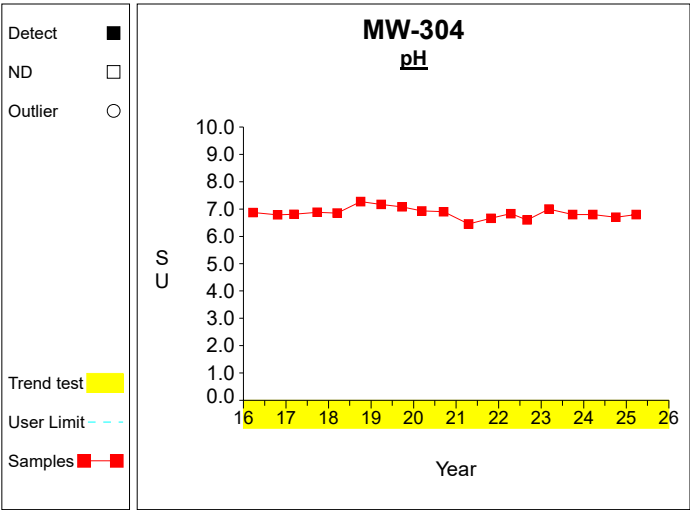
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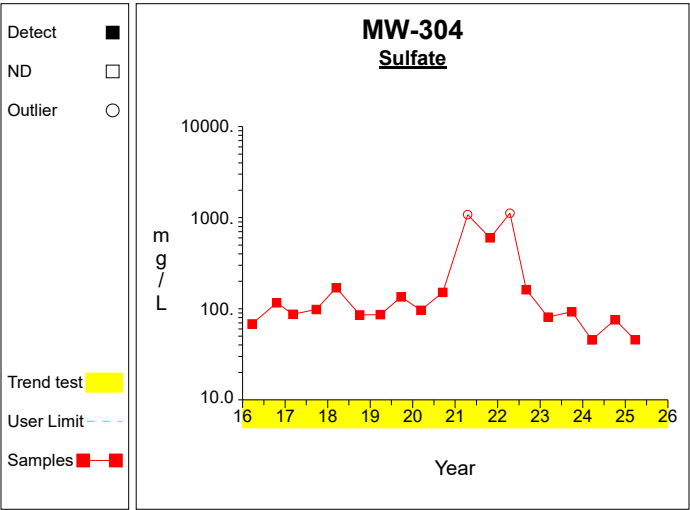
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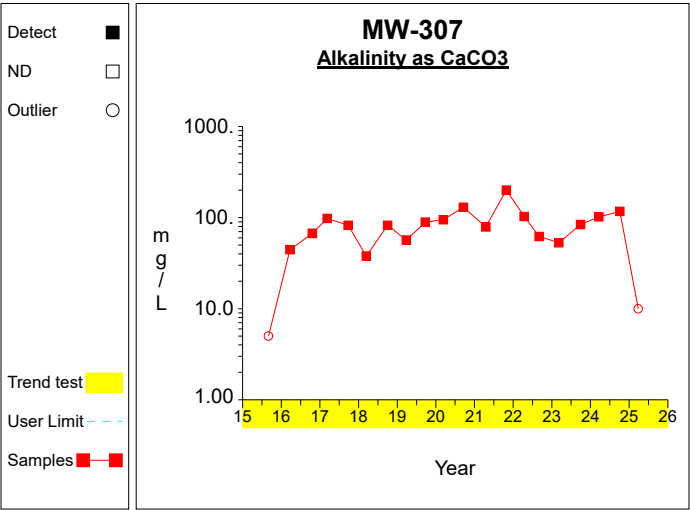


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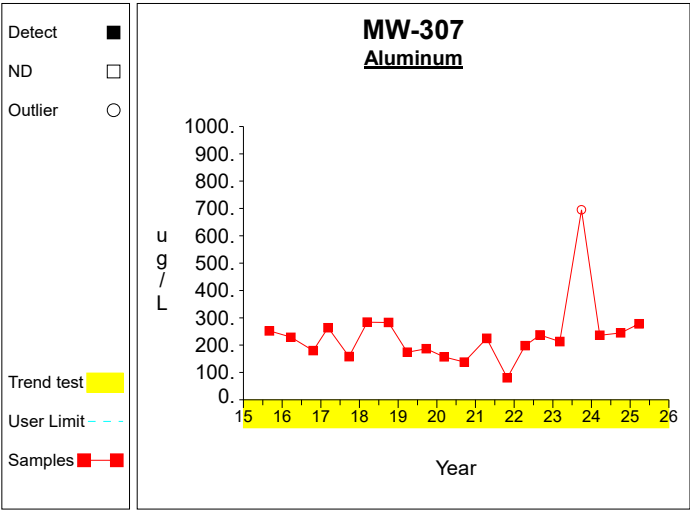


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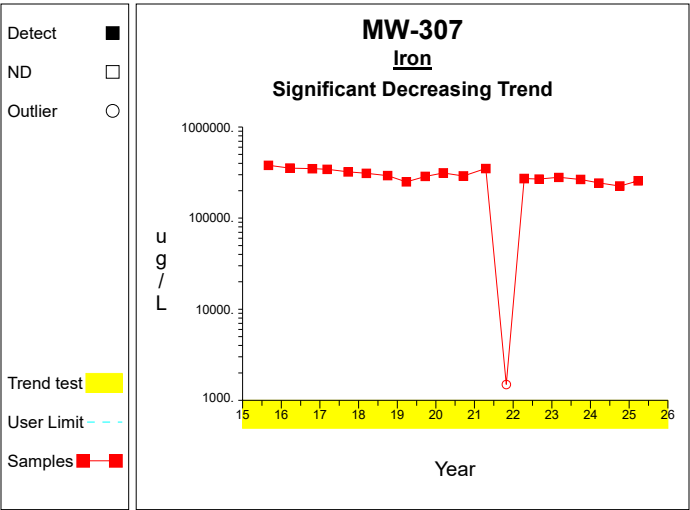
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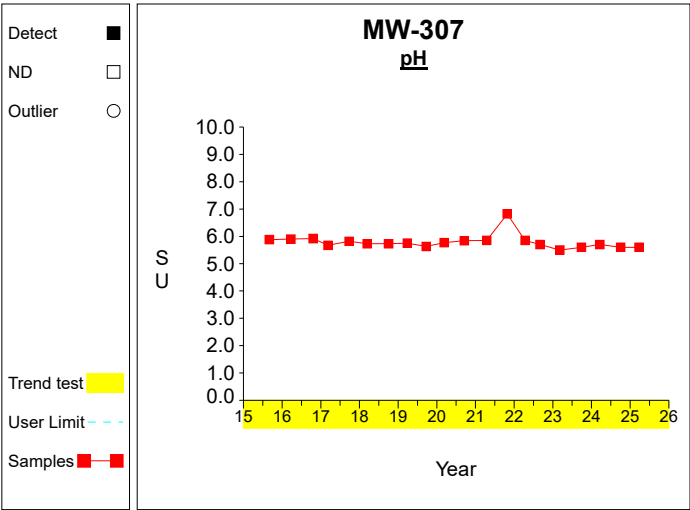
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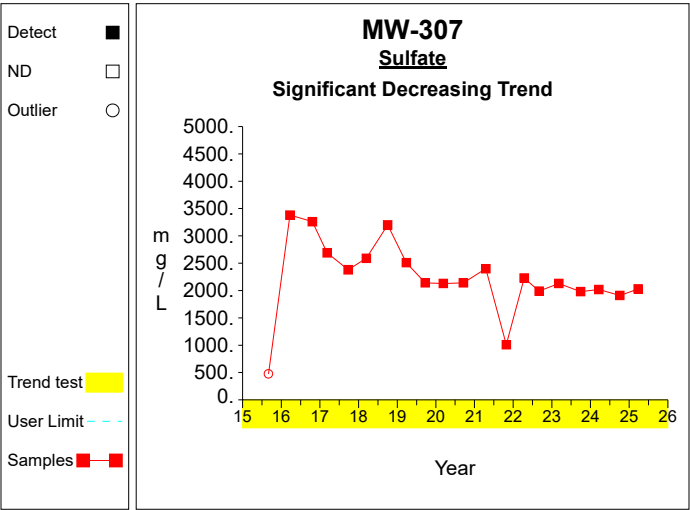
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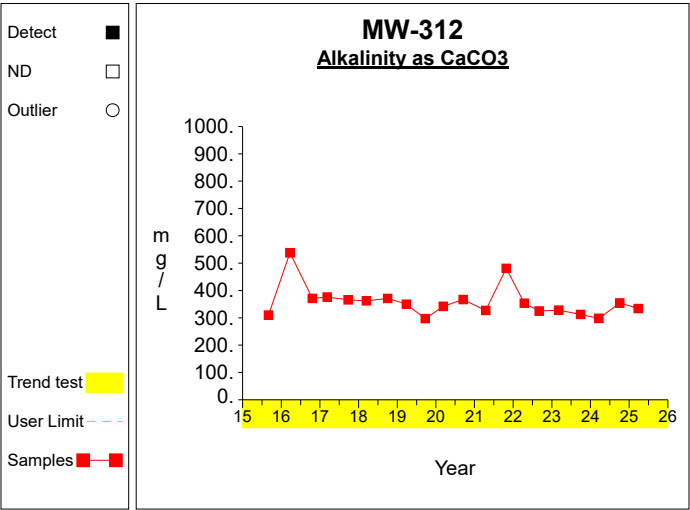


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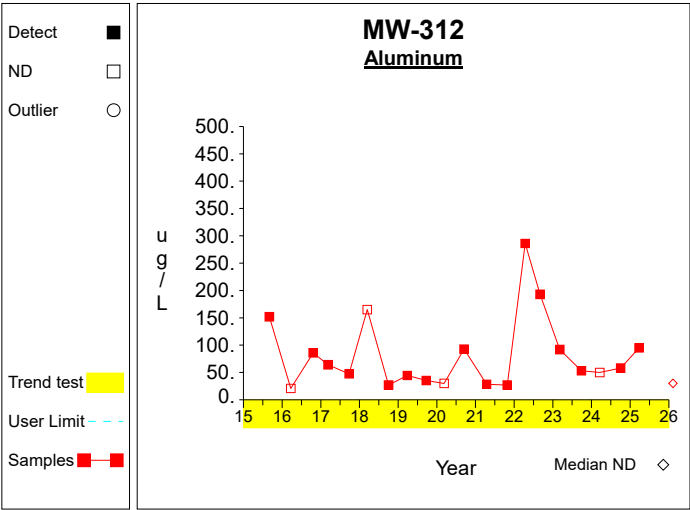


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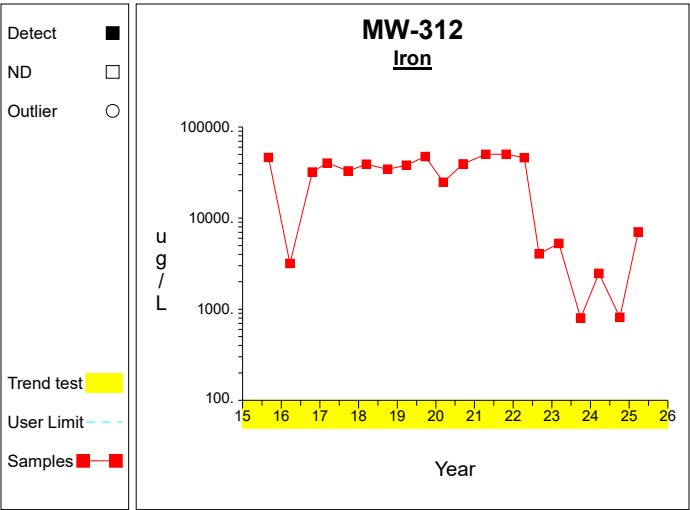
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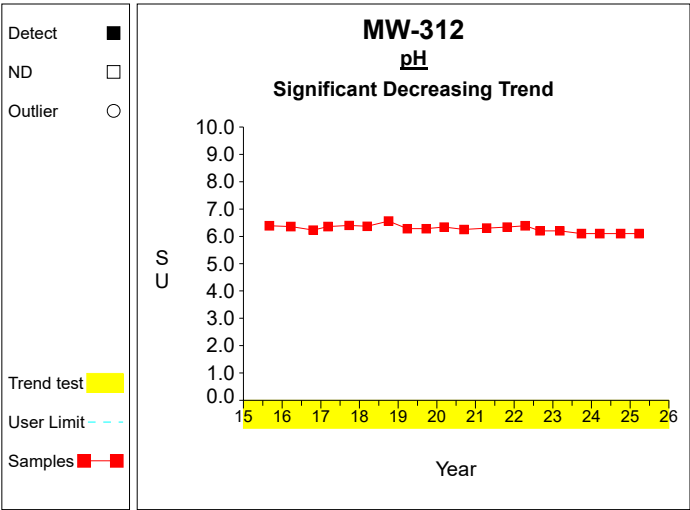
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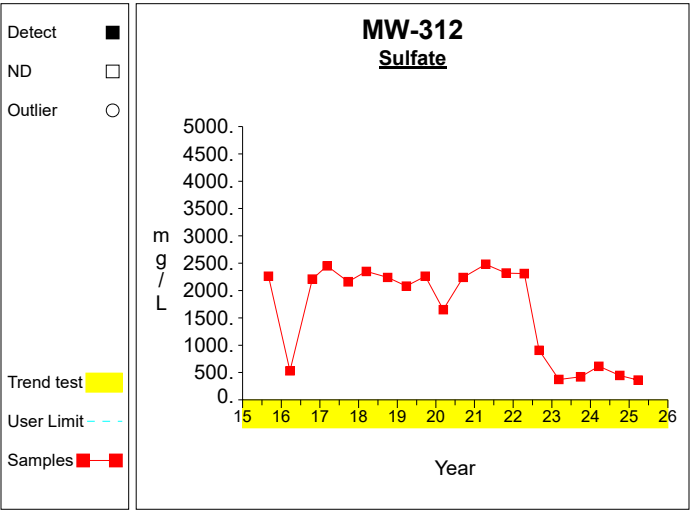
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Graph 28

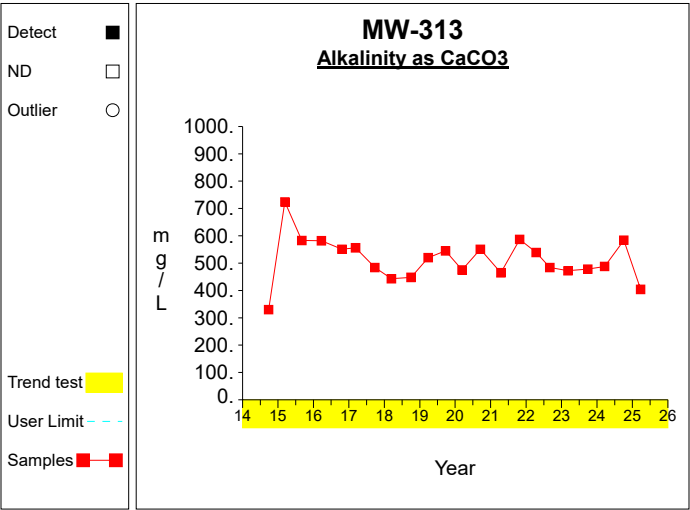


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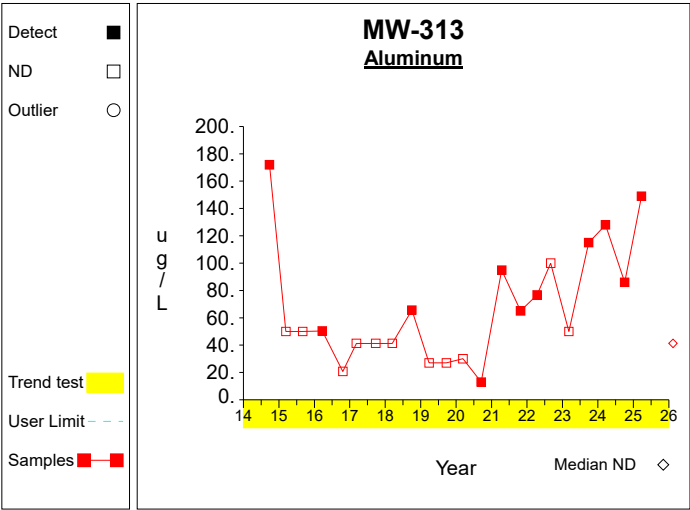


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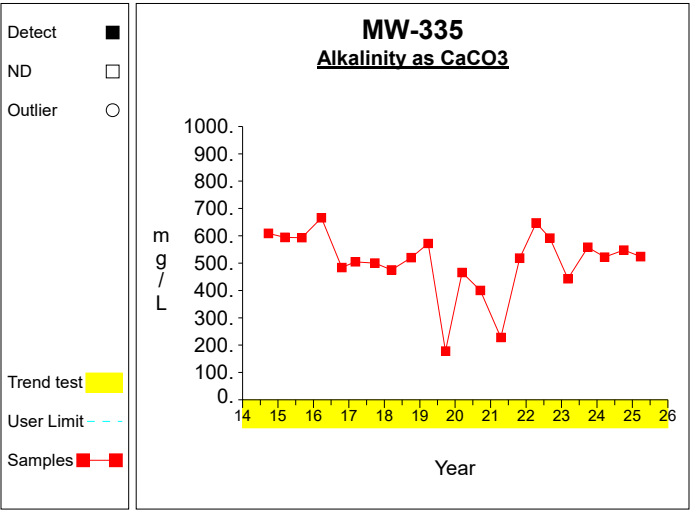
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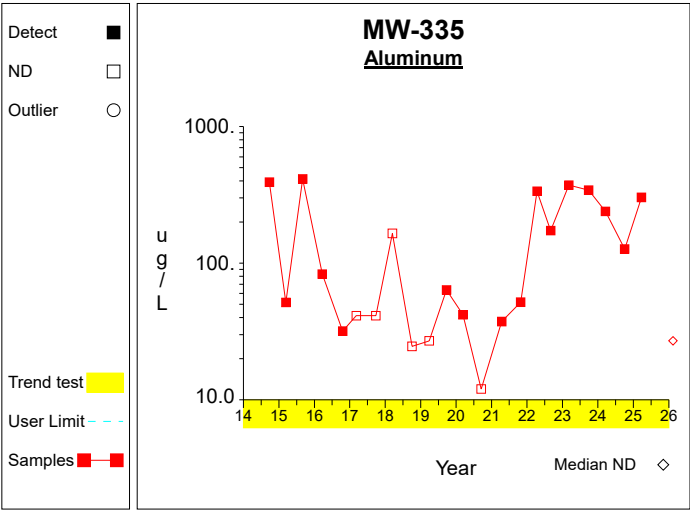
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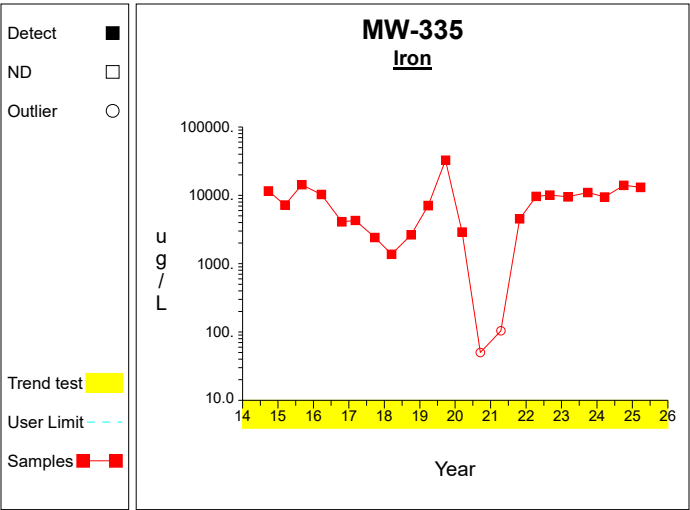
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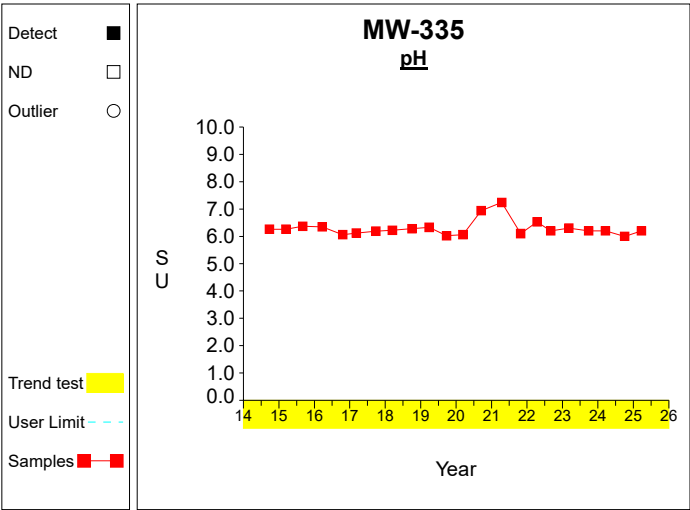
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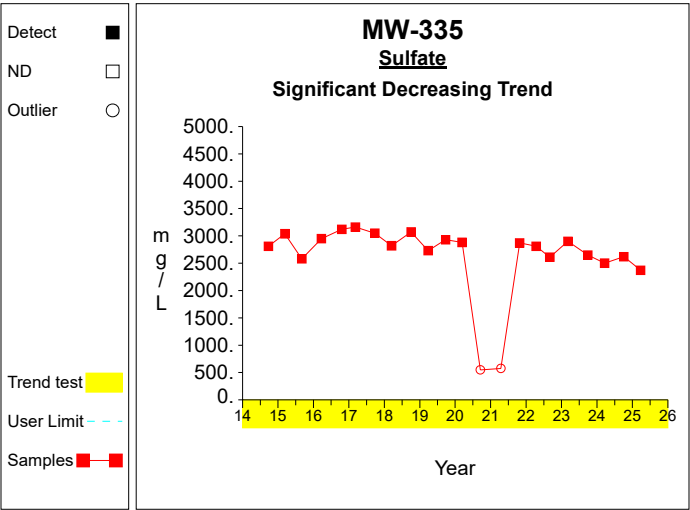
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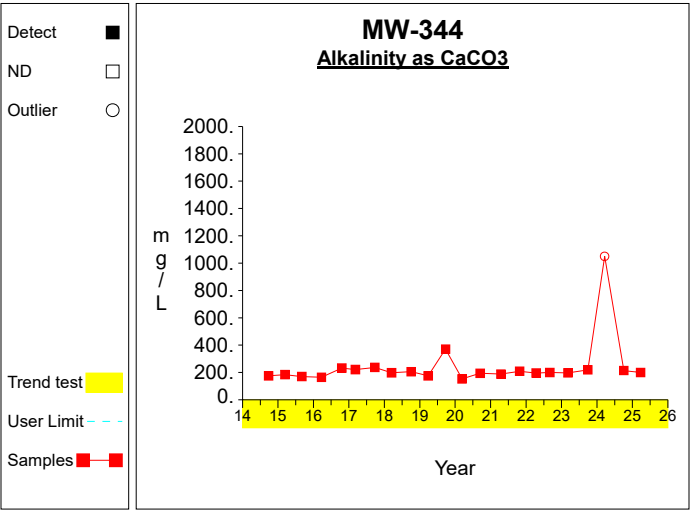


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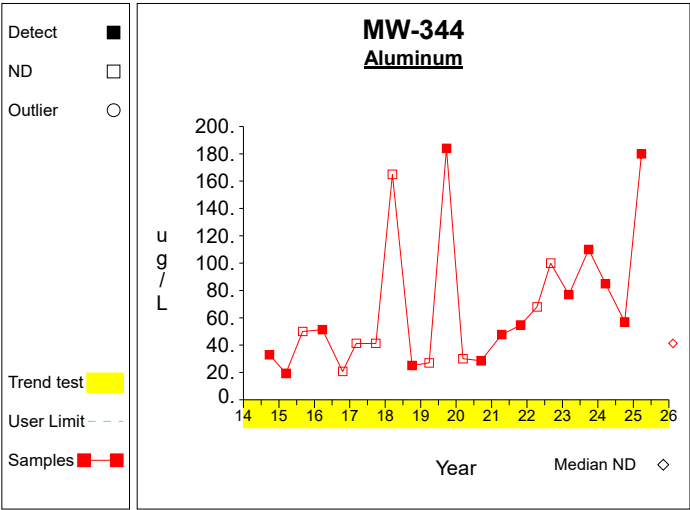


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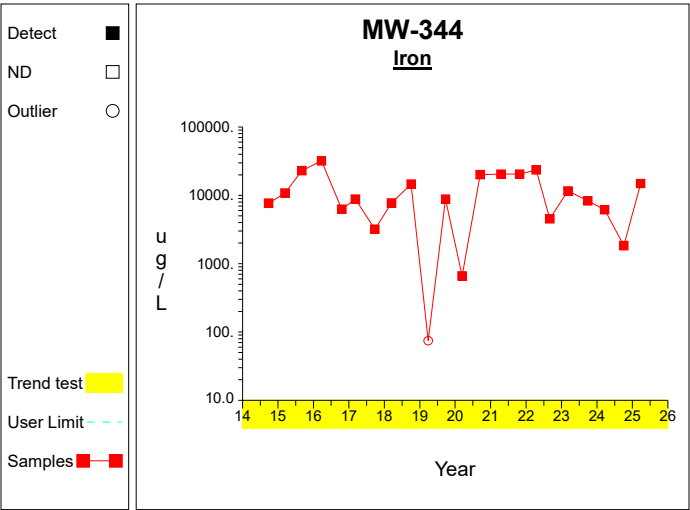
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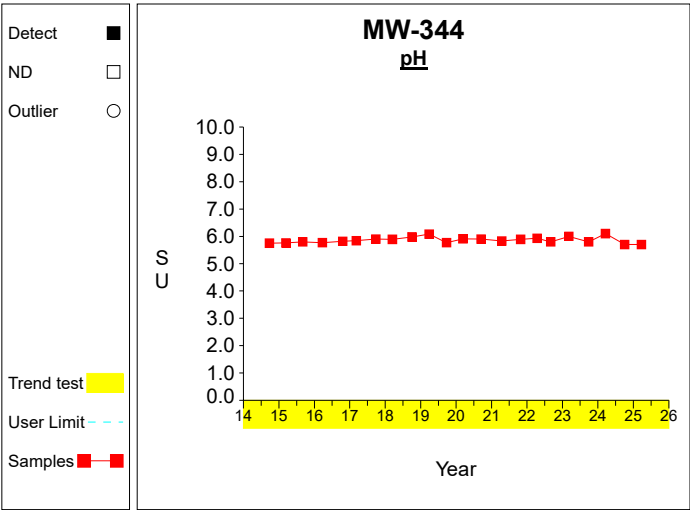
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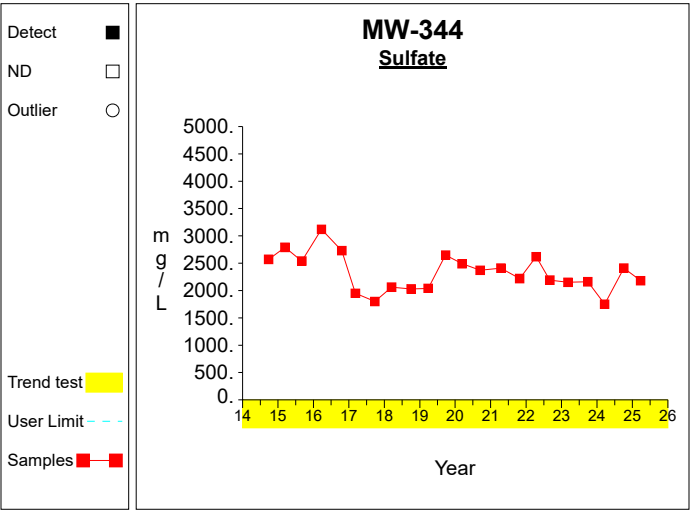
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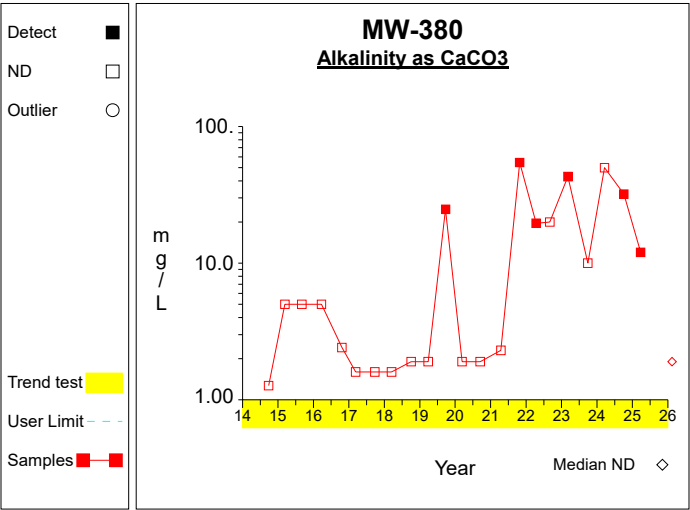


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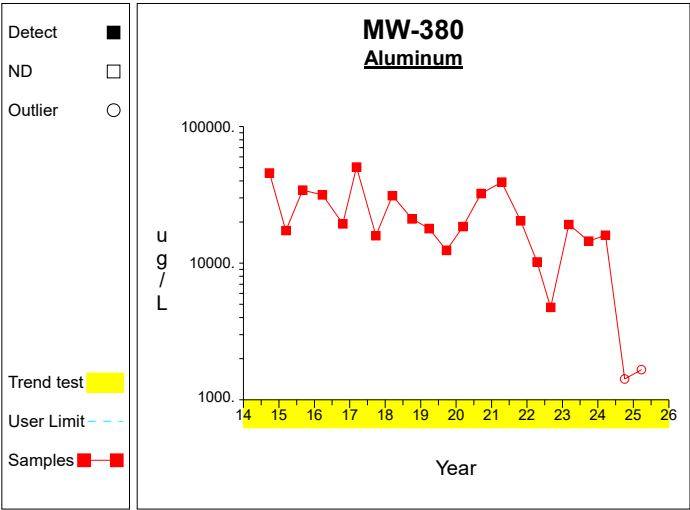


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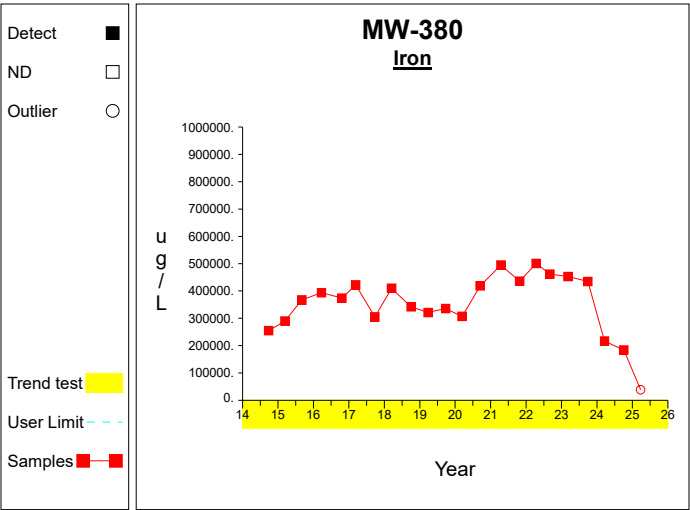
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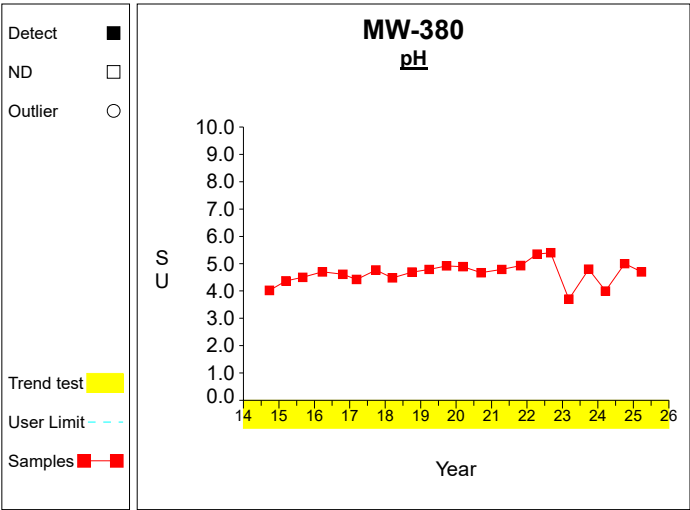
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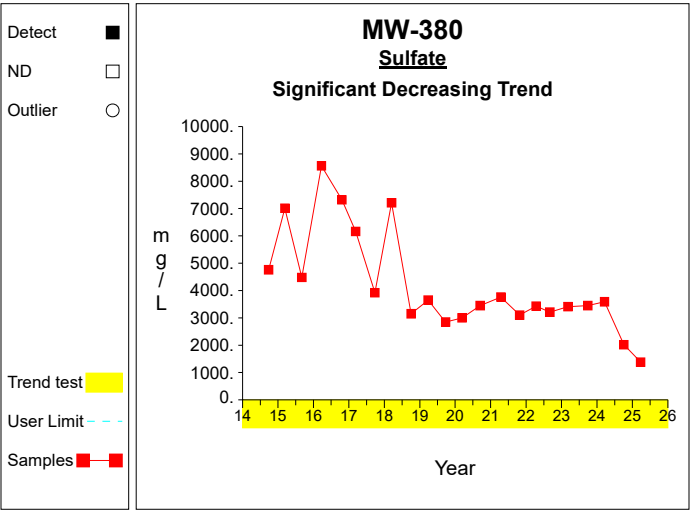
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Graph 48

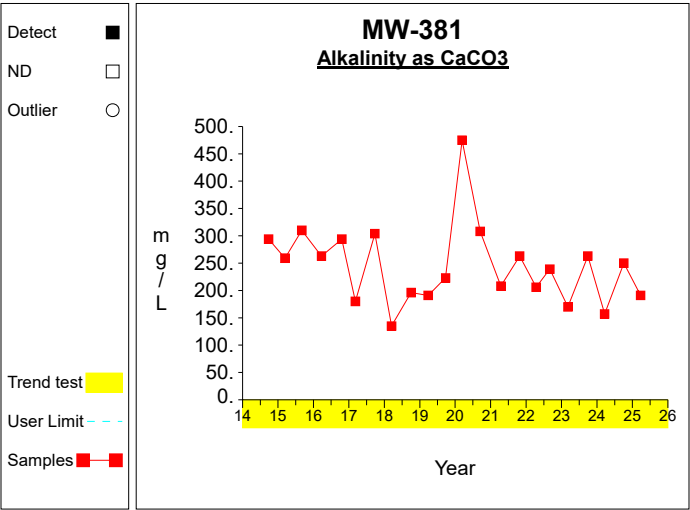


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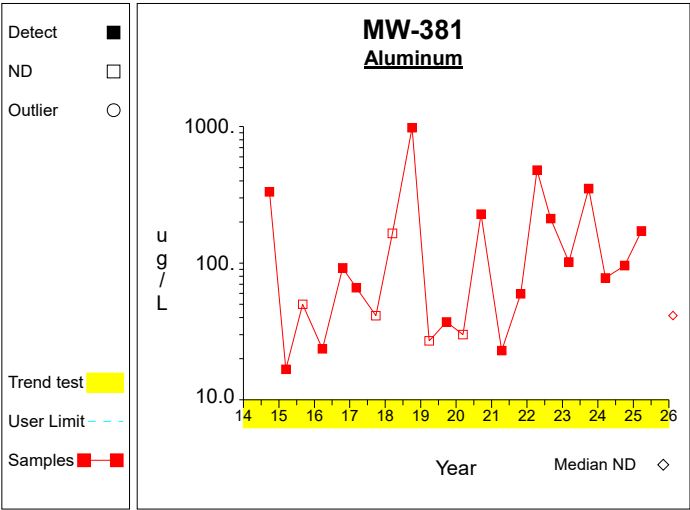


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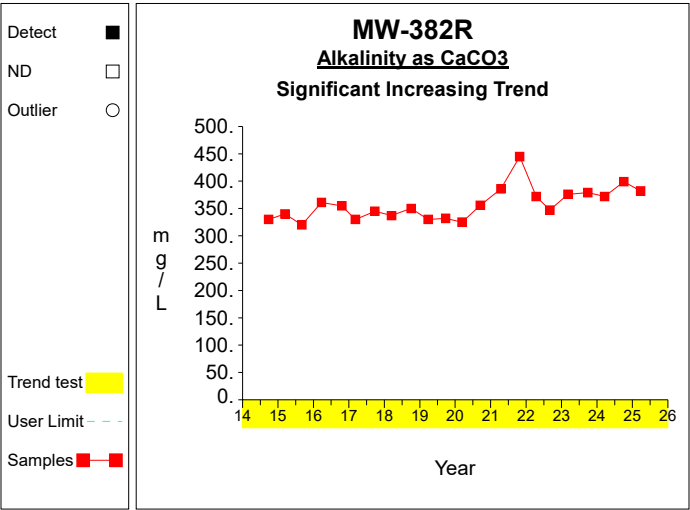
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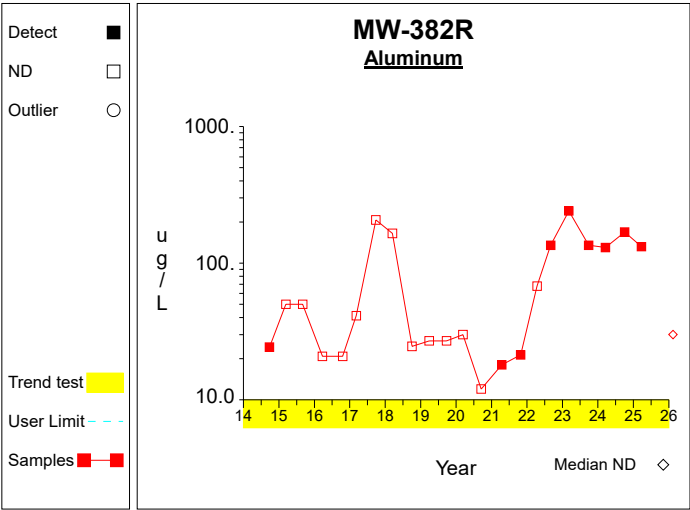
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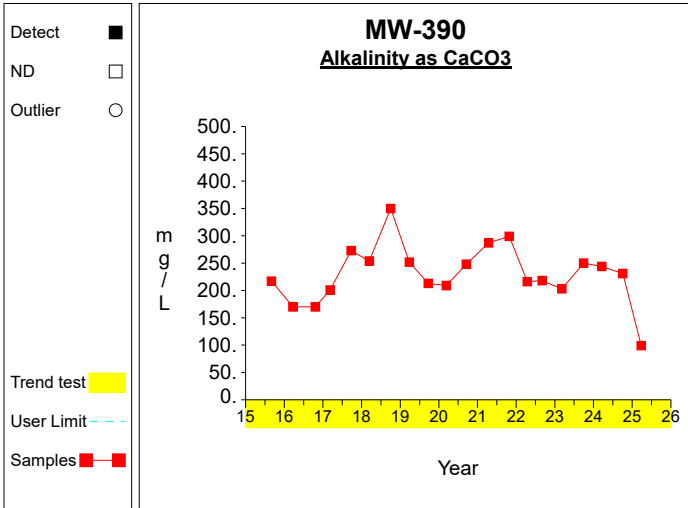
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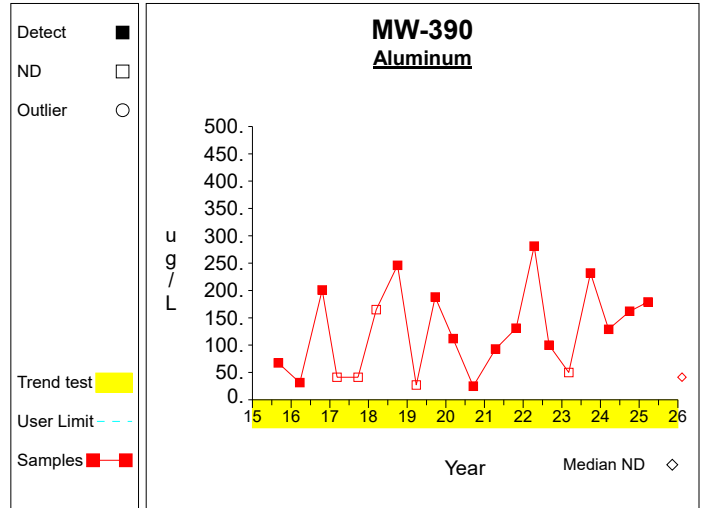
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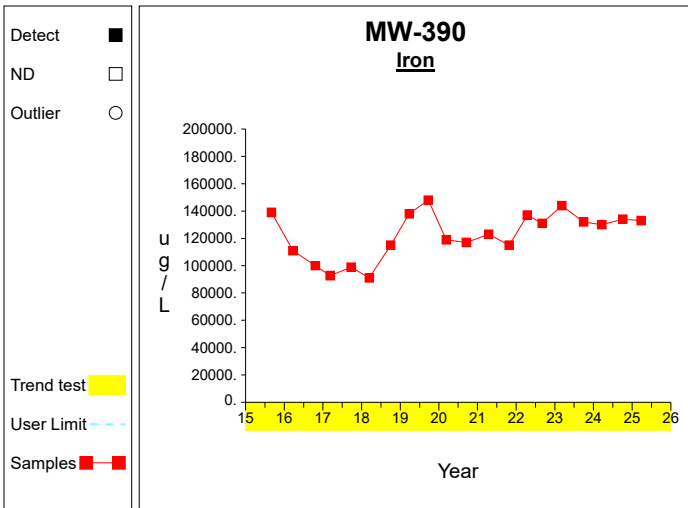
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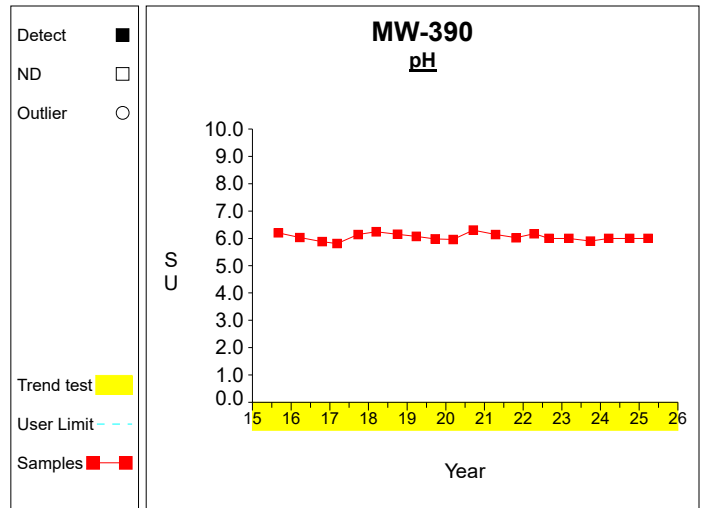
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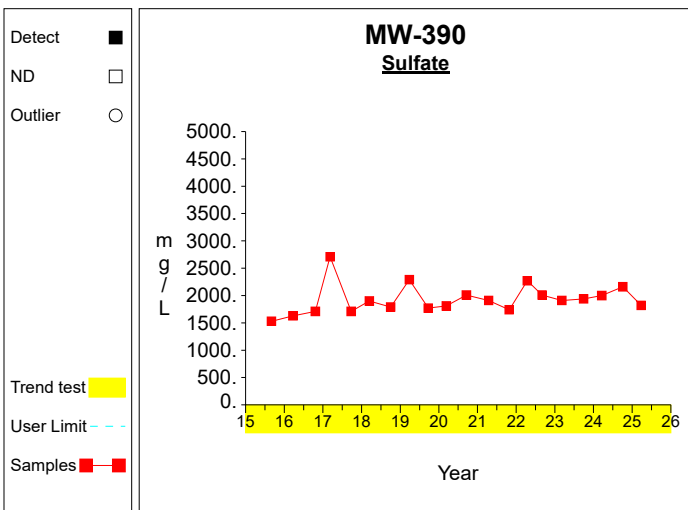
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Graph 63

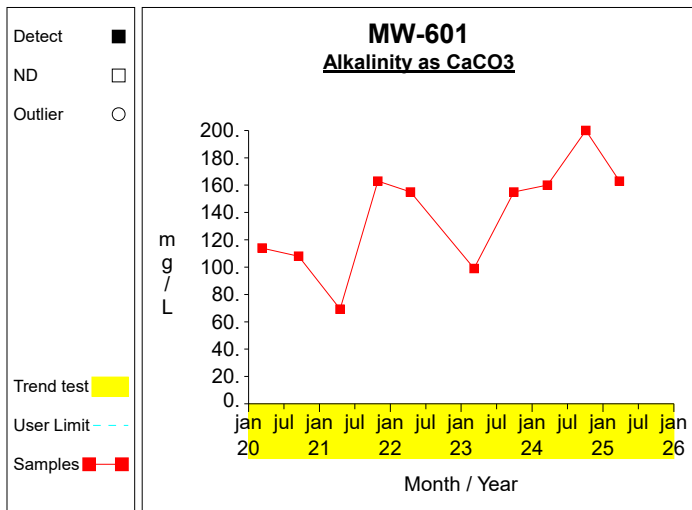


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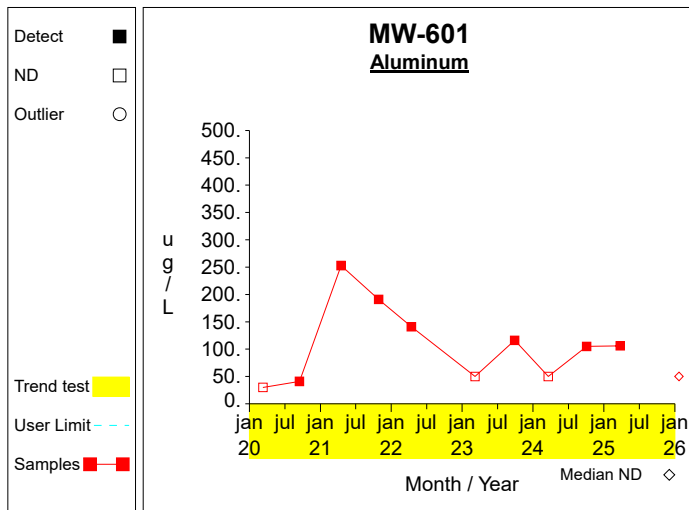


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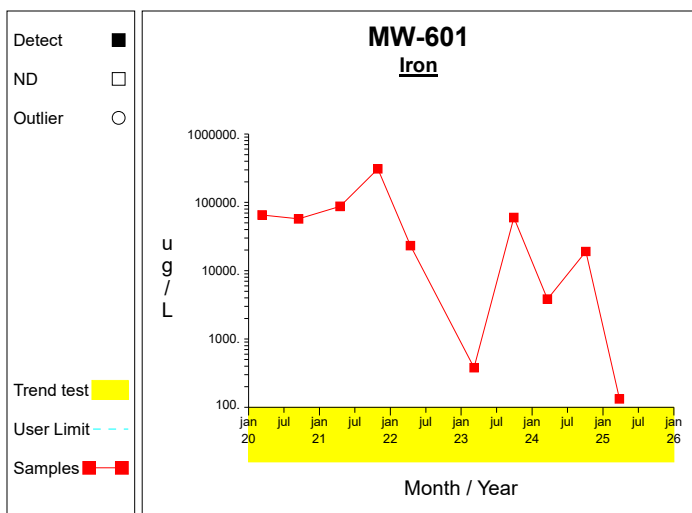
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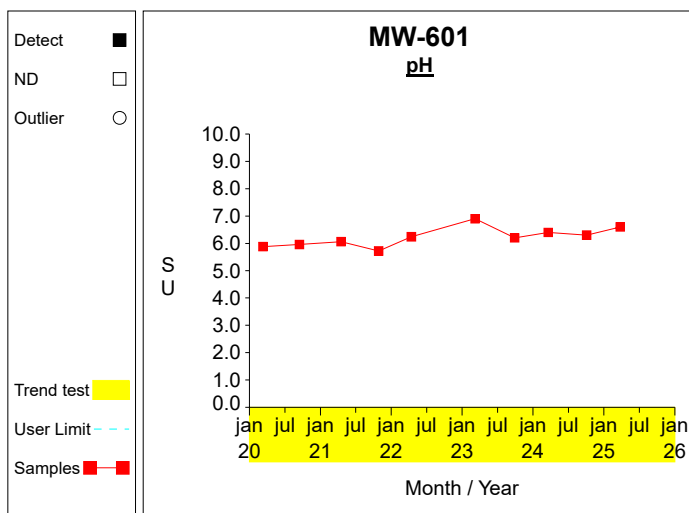
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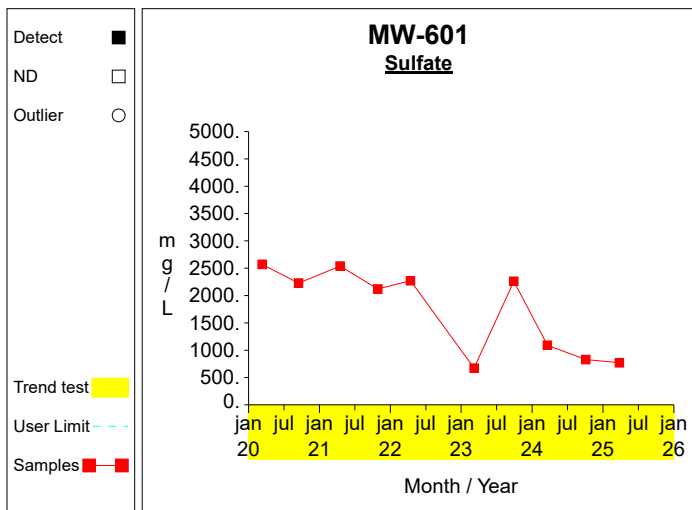
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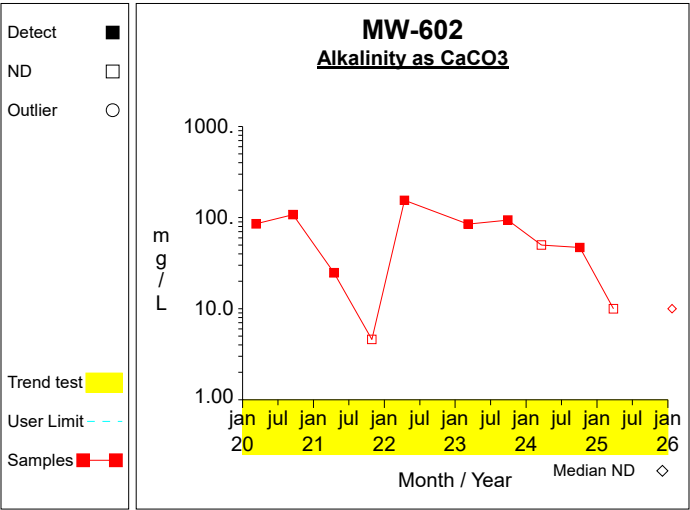


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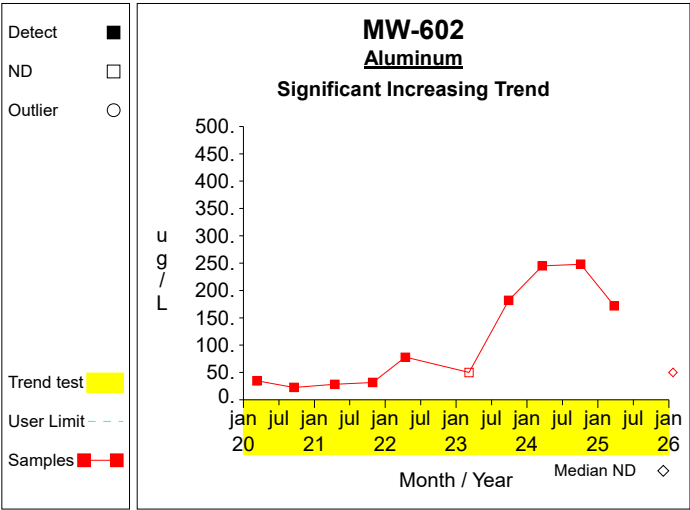


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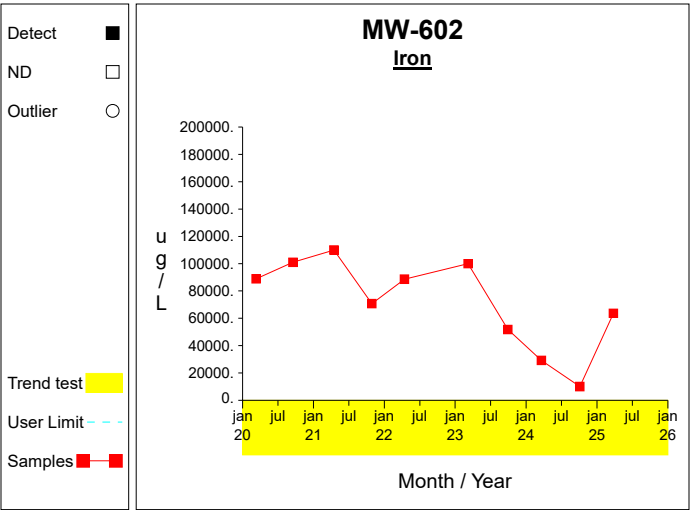
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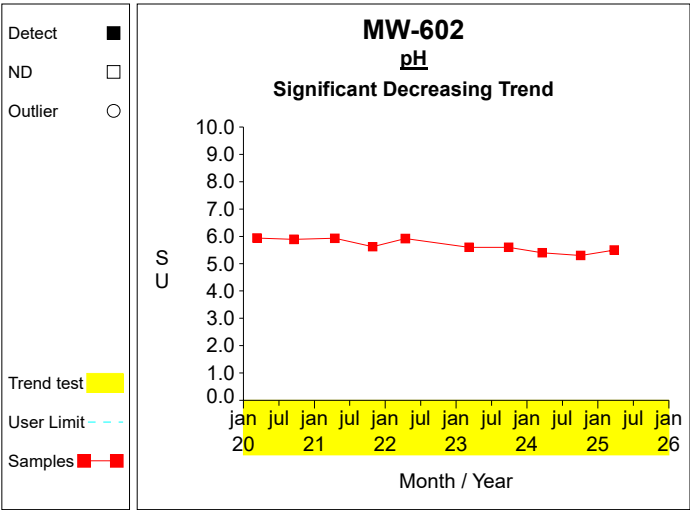
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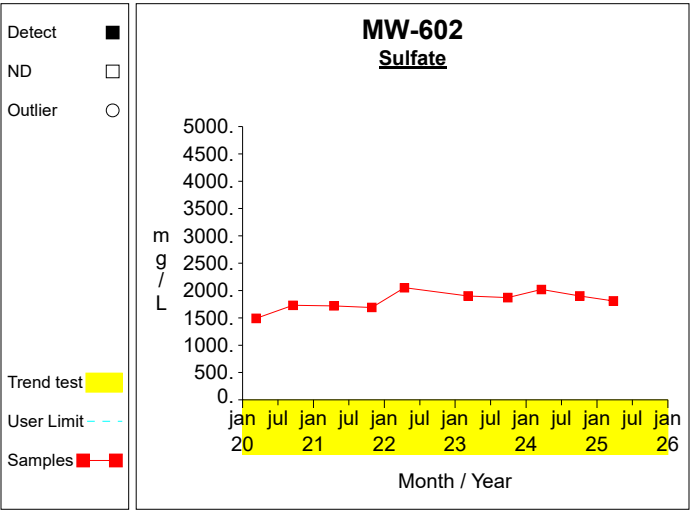
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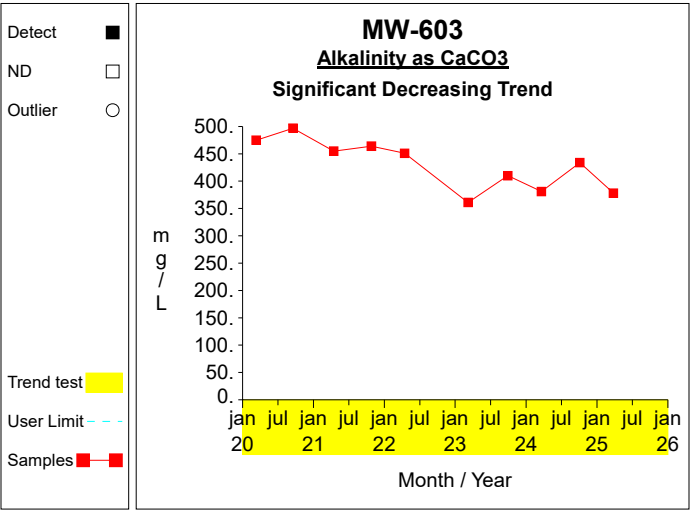


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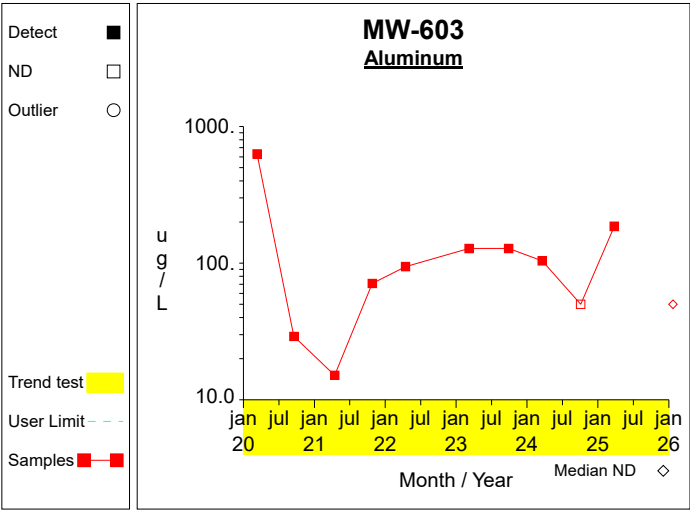


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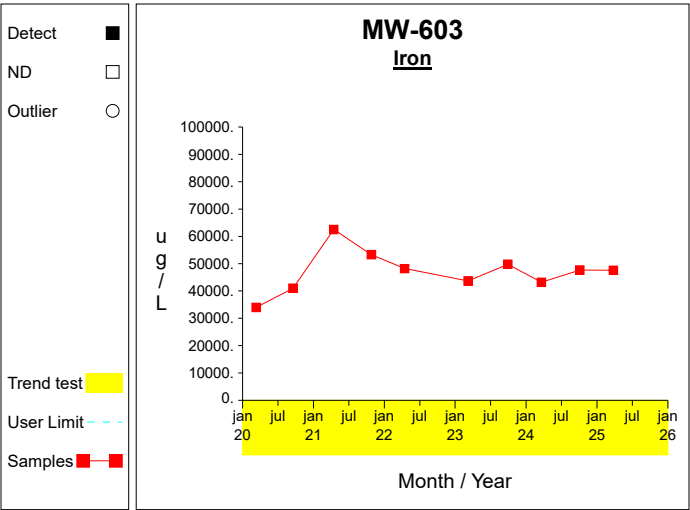
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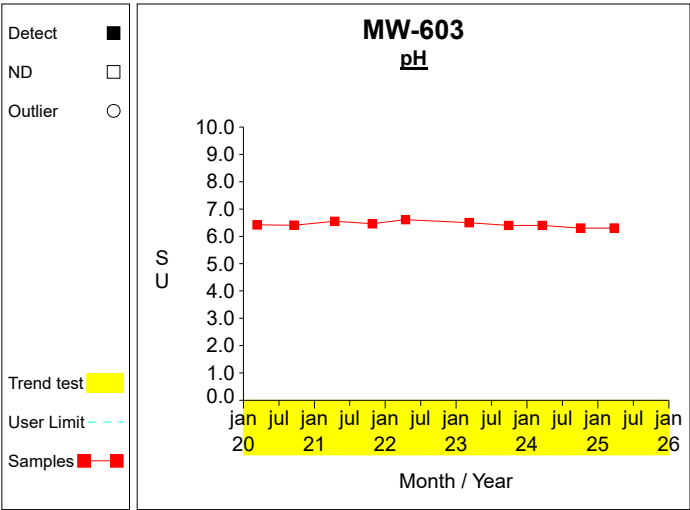
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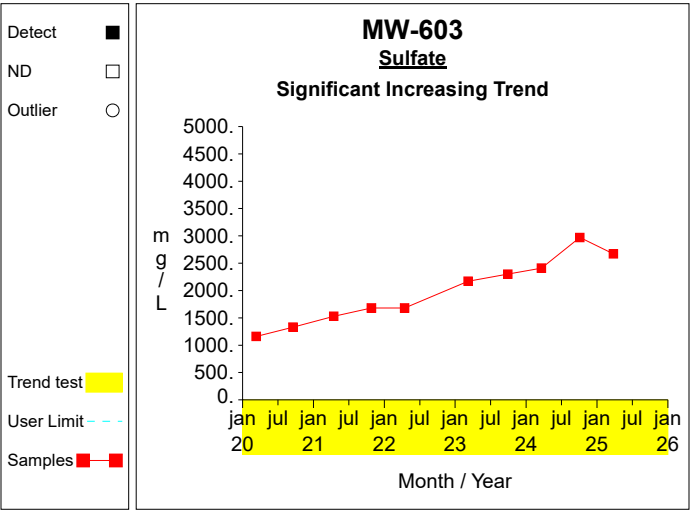
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Graph 78

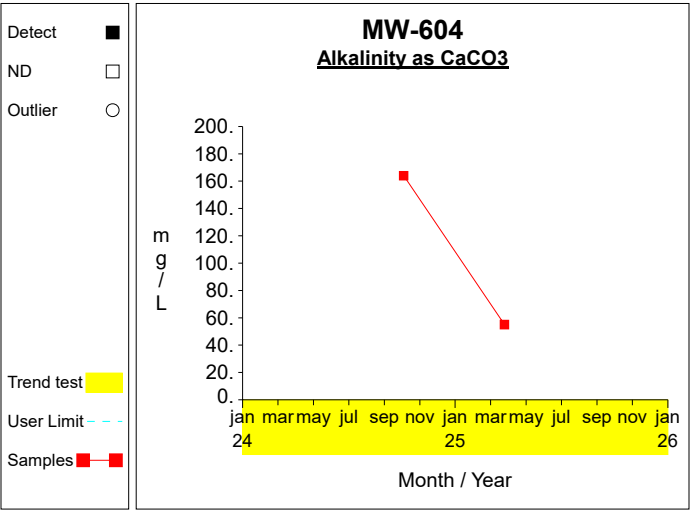


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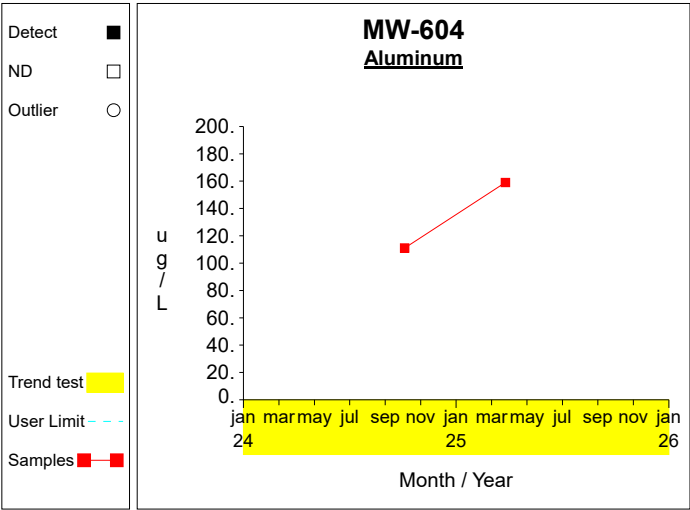


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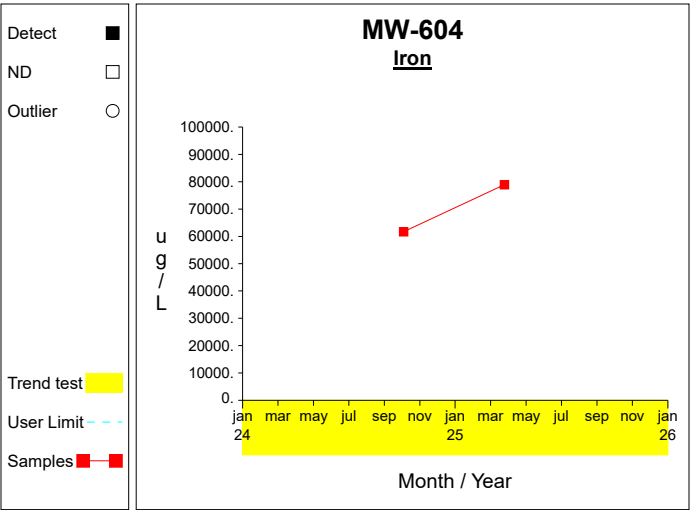
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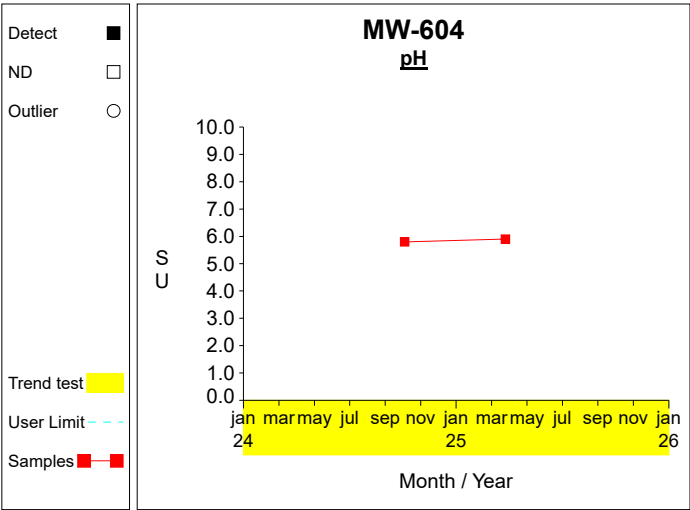
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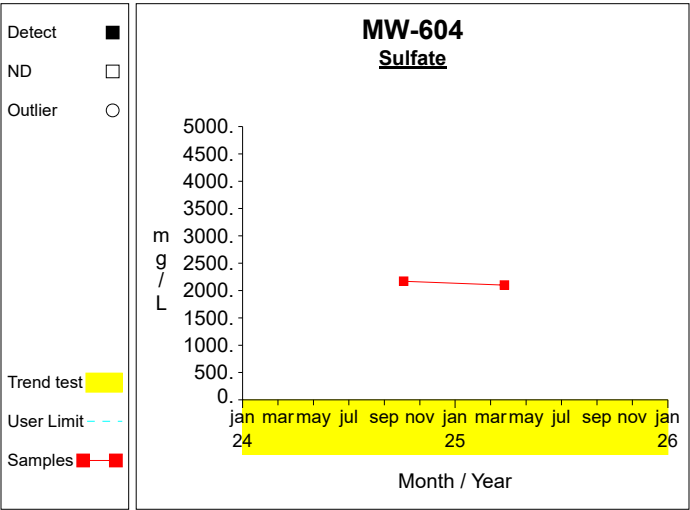
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Graph 83

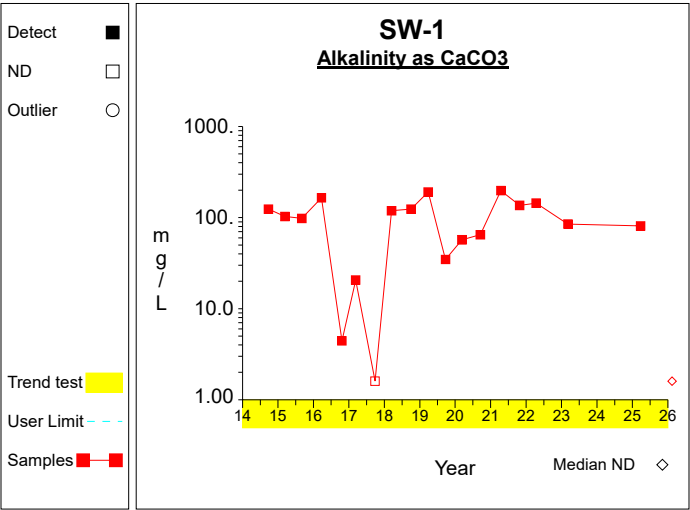


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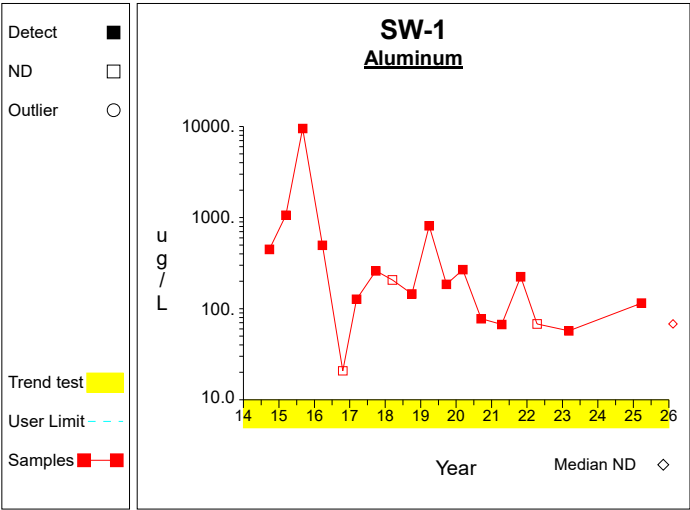


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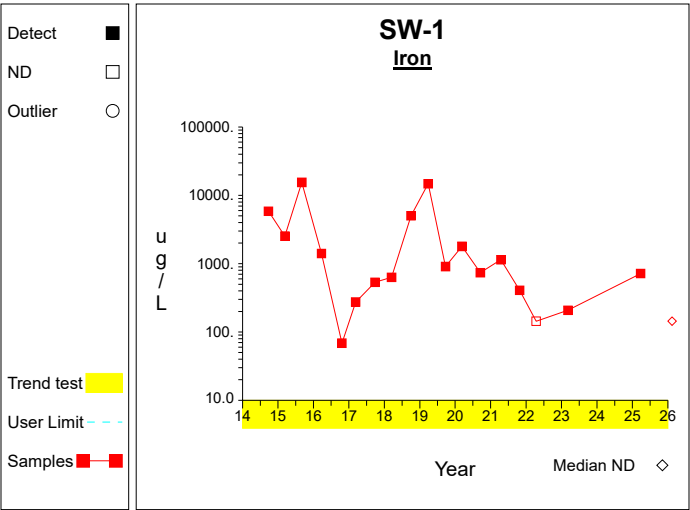
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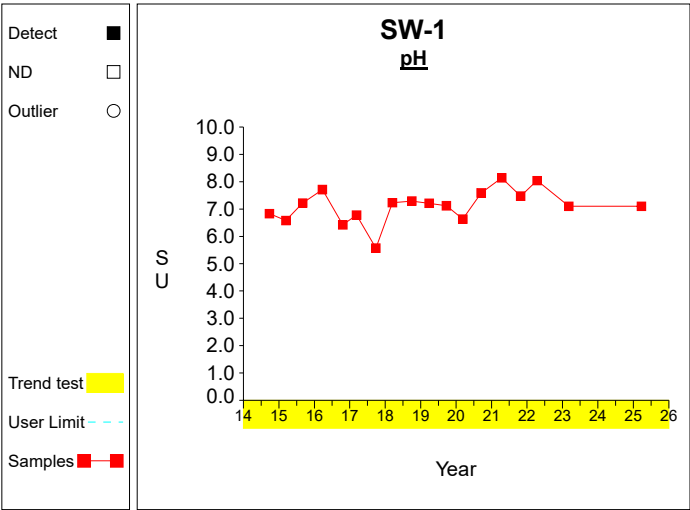
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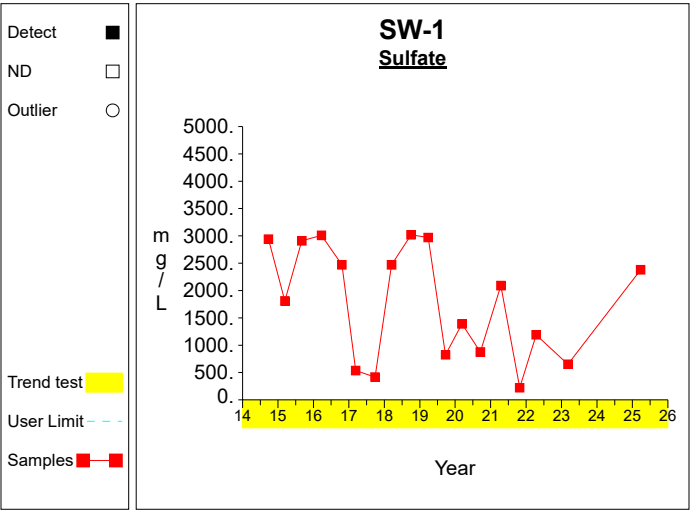
Graph 87



Graph 88



Graph 89



Graph 90

Appendix C.2 – Fall - Otter Creek Statistical Report

**Results of the Ground Water Statistics
for South Central Iowa Solid Waste Agency Landfill**

Second Semi-Annual Monitoring Events in 2025

Prepared for:
South Central Iowa Solid Waste Agency Landfill
1736 Highway T17
Tracy, IA

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

October 2025

INTRODUCTION

This report contains the results of the statistical analyses used to evaluate the ground water data obtained during the second semi-annual monitoring event in 2025 at the South Central Iowa Solid Waste Agency (SCISWA) Landfill. The ground water monitoring wells were sampled on September 15, 2025 and analyzed for the parameters required by permit. The statistical plan was designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. Both intrawell and interwell methodologies are described and then applied to the SCISWA Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10, USEPA Guidance document (*“Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance”*, March 2009), and the American Society for Testing and Materials (ASTM) standard D6312-98, *Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs*.

Ground Water Monitoring Program

The groundwater monitoring network for SCISWA Landfill includes wells MW-300, MW-303, MW-304, MW-307 (upgradient), MW-312 (upgradient), MW-313, MW-335, MW-344, MW-380, MW-381, MW-382R, MW-390 (upgradient), MW-601, MW-602, MW-603, and MW-604. An underdrain (GU-4AR) and surface water sample point (SW-1) are also available. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed 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 events in 2025 are summarized in Attachment A.

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. Both of these methods were applied to the SCISWA 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 consistent with all USEPA regulations and guidance and the ASTM D6312-98 guidance. Ground water statistics are to be done on the constituents listed.

Intrawell Statistics

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

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

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

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

Many groundwater monitoring parameters are not detected at a frequency great enough to generate the combined Shewhart-CUSUM control charts. For constituents that are detected less than 25% of the time at a particular well, the data should be plotted as a time series until a sufficient number of data points are

available to provide a 99% confidence nonparametric prediction limit. Thirteen independent measurements (with 1 resample) are necessary to achieve a 99% confidence (1% false positive rate) nonparametric prediction limit. Eight independent measurements (for pass 1 of 2 resamples) are necessary to achieve a 99% confidence nonparametric prediction limit. The nonparametric prediction limit is the largest determination out of the data set collected for that well and parameter. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

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

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

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

Results of the Intrawell Statistics

The detection monitoring constituents were evaluated using the combined Shewhart-CUSUM control chart method. The background used to determine control limits includes the data obtained from September 2012 through 2021. A summary of the intrawell statistics is included in Attachment B, Table 1 “Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts.” The control charts or time series graphs follow the summary table. For the most current data, the control limit exceedances detected are summarized in the table below.

Control Limit Exceedances at SCISWA Landfill during the Second Semi-Annual Monitoring Event in 2025

Well	Parameter	Result	CUSUM Value	Control Limit	Prediction Limit Type	Verified/ Awaiting verification
MW-300	Beryllium, µg/L	2.7	--	0.5300	Nonparametric	Verified
	Cobalt, µg/L	938	1242.8410	653.2496	Normal	Verified
	Nickel, µg/L	1120	1245.3264	535.6816	Normal	Verified
	Zinc, µg/L	1530	2583.8329	1649.1135	Normal	Awaiting verification
MW-312	Barium, µg/L	23.3	35.8942	33.6507	Normal	Verified
MW-313	Cadmium, µg/L	0.5	0.4930	0.3855	Normal	Awaiting verification

An increasing trend was detected in the background data for nickel at MW-335.

A control chart factor was selected to provide a balance of the site-wide false positive and false negative rates. A statistical power curve indicates the expected false assessments for the site as a whole. The site-wide false positive rate is 16% and the test becomes sensitive to 4 standard deviation units over background.

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-307, MW-312, and MW-390 during the period from September 2012 through the current data. A summary of the background data from monitoring wells MW-307, MW-312, and MW-390 is listed in Attachment C, 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-300, MW-303, MW-304, MW-313, MW-335, MW-344, MW-380, MW-381, MW-382R, MW-601, MW-602, MW-603, MW-604, and GU-AR compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the most current data, the site prediction limit exceedances detected are summarized in the table below.

Prediction Limit Exceedances during the Second Semi-Annual Monitoring Event in 2025

Well	Parameter	Result	Prediction Limit	Prediction Limit Type	Verified/ Awaiting verification
MW-300	Beryllium, µg/L	2.7	1.0000	Nonparametric	Verified
	Cobalt, µg/L	938	138.9681	Normal	Verified
	Nickel, µg/L	1120	141.1872	Normal	Verified
MW-303	Barium, µg/L	78.6	49.9000	Nonparametric	Verified
MW-304	Barium, µg/L	74.7	49.9000	Nonparametric	Verified
MW-313	Vanadium, µg/L	10.9	8.9100	Nonparametric	Awaiting verification
MW-344	Cobalt, µg/L	167	138.9681	Normal	Verified
MW-380	Beryllium, µg/L	1.8	1.0000	Nonparametric	Awaiting verification
	Cadmium, µg/L	7.7	1.1900	Nonparametric	Verified
	Cobalt, µg/L	314	138.9681	Normal	Awaiting verification
	Nickel, µg/L	485	141.1872	Normal	Verified
MW-602	Cobalt, µg/L	252	138.9681	Normal	Verified
	Nickel, µg/L	367	141.1872	Normal	Verified
MW-602	Nickel, µg/L	145	141.1872	Normal	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. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 1% and the test becomes sensitive to 5 standard deviation unit increases over background.

The trace metals which have exceeded ground water protection standards (GWPS) or verified statistical exceedances were evaluated against the GWPS using confidence limits (Attachment D). 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 GWPS 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 arsenic at MW-390 (16.602 µg/L) exceeded the GWPS of 10 µg/L.

The 95% LCL for cobalt at MW-300 (486.123 µg/L) exceeded the GWPS of 2.1 µg/L.

The 95% LCL for cobalt at MW-303 (6.469 µg/L) exceeded the GWPS of 2.1 µg/L.

The 95% LCL for cobalt at MW-307 (35.794 µg/L) exceeded the GWPS of 2.1 µg/L.
The 95% LCL for cobalt at MW-312 (36.357 µg/L) exceeded the GWPS of 2.1 µg/L.
The 95% LCL for cobalt at MW-335 (17.633 µg/L) exceeded the GWPS of 2.1 µg/L.
The 95% LCL for cobalt at MW-344 (145.763 µg/L) exceeded the GWPS of 2.1 µg/L.
The 95% LCL for cobalt at MW-390 (100.422 µg/L) exceeded the GWPS of 2.1 µg/L.
The 95% LCL for cobalt at MW-602 (180.747 µg/L) exceeded the GWPS of 2.1 µg/L.
The 95% LCL for cobalt at MW-603 (10.516 µg/L) exceeded the GWPS of 2.1 µg/L.
The 95% LCL for cobalt at MW-604 (88.894 µg/L) exceeded the GWPS of 2.1 µg/L.

The 95% LCL for nickel at MW-300 (515.969 µg/L) exceeded the GWPS of 100 µg/L.
The 95% LCL for nickel at MW-344 (112.842 µg/L) exceeded the GWPS of 100 µg/L.
The 95% LCL for nickel at MW-602 (256.953 µg/L) exceeded the GWPS of 100 µg/L.
The 95% LCL for nickel at MW-604 (103.831 µg/L) exceeded the GWPS of 100 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 SCISWA Landfill during the second semi-annual monitoring event in 2025 are summarized below. Historical VOC detections are summarized in Attachment E.

Organic compounds detected 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-303	Carbon disulfide	1.5	1	Awaiting verification	700
MW-307	Carbon disulfide	3.2	1	Awaiting verification	700
MW-344	cis-1,2-Dichloroethene	1.6	1	Verified	70
MW-380	Carbon disulfide	1.7	1	Awaiting verification	700
MW-382R	1,1-Dichloroethane	1.2	1	Awaiting verification	140
	Carbon disulfide	1.5	1	Awaiting verification	700
MW-603	Carbon disulfide	2.4	1	Awaiting verification	700
MW-604	Carbon disulfide	1.0	1	Awaiting verification	700

Carbon disulfide detections are likely artifacts of the sampling or analysis.

The VOCs detections did not exceed GWPS. The verified VOC detections were evaluated against the GWPS using confidence limits (Attachment F). 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

Table 1

Analytical Data Summary for 9/15/2025

Constituents	Units	GU-4AR	MW-300	MW-303	MW-304	MW-307	MW-312	MW-313	MW-335	MW-344	MW-380	MW-381	MW-382R	MW-390	MW-601
1,1,1,2-Tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0
1,1-Dichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Butanone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Alkalinity as CaCO3	mg/L	92	179	562	374	<50	335	480	540	227	<50	256	398	222	241
Aluminum	ug/L	<50	914	<50	<50	90	<50	<50	<50	<50	1810	<50	<50	<50	<50
Antimony	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic	ug/L	2.7	<2.0	<2.0	<2.0	2.6	<2.0	10.9	4.1	<2.0	<2.0	<2.0	<2.0	16.6	
Barium	ug/L	11.0	13.8	78.6	74.7	9.9	23.3	42.5	11.4	12.5	12.6	14.0	24.3	18.7	
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium	ug/L	<5	2.7	<5	<5	<5	<5	<5	<5	<5	1.8	<5	<5	<5	<5
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium	ug/L	<2	1.1	<2	<2	<2	.2	.5	<2	<2	7.7	<2	<2	<2	<2
Carbon Disulfide	ug/L	<1.0	<1.0	1.5	<1.0	3.2	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	1.5	<1.0	<1.0
Carbon Tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorodibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt	ug/L	50.0	938.0	8.5	.8	36.5	40.5	.7	14.1	167.0	314.0	<5	4.0	99.7	
Copper	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iodomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iron	ug/L	203000	203000	887	<100	230000	8050	10600	4020	17200	139000	<100	1190	131000	
Lead	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene Chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel	ug/L	98.7	1120.0	12.3	<5.0	62.8	64.5	34.0	36.3	136.0	485.0	<5.0	8.1	54.8	
pH	SU	5.8	5.6	6.4	6.8	5.8	6.1	6.6	6.4	5.7	5.2	6.4	6.3	6.0	6.4
Selenium	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Silver	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate	mg/L	2750.0	3700.0	120.0	47.1	2200.0	409.0	2130.0	2780.0	2610.0	1890.0	631.0	1420.0	1830.0	785.0

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

Table 1

Analytical Data Summary for 9/15/2025

Constituents	MW-602	MW-603	MW-604
1,1,1,2-Tetrachloroethane	<1	<1	<1
1,1,1-Trichloroethane	<1	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1	<1
1,1,2-Trichloroethane	<1	<1	<1
1,1-Dichloroethane	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1	<1	<1
1,2,3-Trichloropropane	<1	<1	<1
1,2-Dibromo-3-chloropropane	<5	<5	<5
1,2-Dibromoethane	<1	<1	<1
1,2-Dichlorobenzene	<1	<1	<1
1,2-Dichloroethane	<1	<1	<1
1,2-Dichloropropane	<1	<1	<1
1,4-Dichlorobenzene	<1	<1	<1
2-Butanone	<10	<10	<10
2-Hexanone	<5	<5	<5
4-Methyl-2-pentanone	<5	<5	<5
Acetone	<10	<10	<10
Acrylonitrile	<5	<5	<5
Alkalinity as CaCO3	80	393	121
Aluminum	<50	<50	<50
Antimony	<1	<1	<1
Arsenic	<2.0	5.0	<2.0
Barium	11.7	21.3	15.1
Benzene	<1	<1	<1
Beryllium	<.5	<.5	<.5
Bromochloromethane	<1	<1	<1
Bromodichloromethane	<1	<1	<1
Bromoform	<1	<1	<1
Bromomethane	<1	<1	<1
Cadmium	<.2	<.2	<.2
Carbon Disulfide	<1.0	2.4	1.0
Carbon Tetrachloride	<1	<1	<1
Chlorobenzene	<1	<1	<1
Chlorodibromomethane	<1	<1	<1
Chloroethane	<1	<1	<1
Chloroform	<1	<1	<1
Chloromethane	<1	<1	<1
Chromium	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<1	<1	<1
Cobalt	252.0	11.5	93.8
Copper	<5	<5	<5
Dibromomethane	<1	<1	<1
Ethylbenzene	<1	<1	<1
Iodomethane	<1	<1	<1
Iron	107000	49600	84200
Lead	<1	<1	<1
Methylene Chloride	<5	<5	<5
Nickel	367.0	7.7	145.0
pH	5.6	6.4	5.8
Selenium	<2	<2	<2
Silver	<5	<5	<5
Styrene	<1	<1	<1
Sulfate	2200.0	3210.0	2650.0

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

Table 1

Analytical Data Summary for 9/15/2025

Constituents	Units	GU-4AR	MW-300	MW-303	MW-304	MW-307	MW-312	MW-313	MW-335	MW-344	MW-380	MW-381	MW-382R	MW-390	MW-601
Tetrachloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,4-Dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	10.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Vinyl Acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc	ug/L	242.0	1530.0	6.9	<5.0	311.0	17.2	17.9	29.5	22.9	2930.0	7.5	8.1	137.0	

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

Table 1

Analytical Data Summary for 9/15/2025

Constituents	MW-602	MW-603	MW-604
Tetrachloroethene	<1	<1	<1
Thallium	<.5	<.5	<.5
Toluene	<1	<1	<1
trans-1,2-Dichloroethene	<1	<1	<1
trans-1,3-Dichloropropene	<1	<1	<1
trans-1,4-Dichloro-2-butene	<5	<5	<5
Trichloroethene	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1
Vanadium	<2.0	<2.0	<2.0
Vinyl Acetate	<5	<5	<5
Vinyl Chloride	<1	<1	<1
Xylenes, Total	<2	<2	<2
Zinc	199.0	23.3	38.0

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

Attachment B

Summary Tables and Graphs for the Intrawell Comparisons

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Antimony	ug/L	GU-4AR	3	0	3										*
Arsenic	ug/L	GU-4AR	3	0	3										*
Barium	ug/L	GU-4AR	3	0	3										*
Beryllium	ug/L	GU-4AR	3	0	3										*
Cadmium	ug/L	GU-4AR	3	0	3										*
Chromium	ug/L	GU-4AR	3	0	3										*
Cobalt	ug/L	GU-4AR	3	0	3										*
Copper	ug/L	GU-4AR	3	0	3										*
Lead	ug/L	GU-4AR	3	0	3										*
Nickel	ug/L	GU-4AR	3	0	3										*
Selenium	ug/L	GU-4AR	3	0	3										*
Silver	ug/L	GU-4AR	3	0	3										*
Thallium	ug/L	GU-4AR	3	0	3										*
Vanadium	ug/L	GU-4AR	3	0	3										*
Zinc	ug/L	GU-4AR	3	0	3										*
Antimony	ug/L	MW-300	19	8	39			1.0000	1.0000			1.0000	nonpar	.99	**
Arsenic	ug/L	MW-300	19	8	39	2.0375	0.4972	2.0000	2.0000	2.0375	2.0375	4.7721	normal		
Barium	ug/L	MW-300	18	8	39	13.0861	1.9733	12.4000	13.8000	13.0861	13.0861	23.9395	normal		
Beryllium	ug/L	MW-300	19	8	39			1.1000	2.7000			0.5300	nonpar	.99	**
Cadmium	ug/L	MW-300	19	8	39	0.7042	1.8006	0.5000	1.1000	0.7042	0.7042	10.6077	normal		
Chromium	ug/L	MW-300	19	8	39			1.0000	1.0000			3.6900	nonpar	.99	**
Cobalt	ug/L	MW-300	18	8	39	286.0000	66.7727	462.0000	938.0000	766.8410	1242.8410	653.2496	normal		
Copper	ug/L	MW-300	19	8	39			5.0000	5.0000			32.0000	nonpar	.99	**
Lead	ug/L	MW-300	19	8	39	0.6372	0.3297	1.0000	1.0000	0.6372	0.6372	2.4507	normal		
Nickel	ug/L	MW-300	19	8	39	228.5053	55.8503	540.0000	1120.0000	665.3264	1245.3264	535.6816	normal		
Selenium	ug/L	MW-300	19	8	39			2.0000	2.0000			3.3400	nonpar	.99	**
Silver	ug/L	MW-300	19	8	39			5.0000	5.0000			0.5600	nonpar	.99	**
Thallium	ug/L	MW-300	19	8	39	0.2528	0.0475	0.5000	0.5000	0.2528	0.2528	0.5139	normal		
Vanadium	ug/L	MW-300	19	8	39			2.0000	2.0000			2.1500	nonpar	.99	**
Zinc	ug/L	MW-300	19	8	39	244.3421	255.4130	712.0000	1530.0000	1489.7347	2583.8329	1649.1135	normal		
Antimony	ug/L	MW-303	18	8	39			1.0000	1.0000			0.5300	nonpar	.99	**
Arsenic	ug/L	MW-303	19	8	39	1.0109	0.4638	2.0000	2.0000	1.0109	1.0109	3.5619	normal		
Barium	ug/L	MW-303	19	8	39	48.5000	23.8902	72.9000	78.6000	98.1471	110.3294	179.8960	normal		
Beryllium	ug/L	MW-303	19	8	39			0.5000	0.5000			0.2700	nonpar	.99	**
Cadmium	ug/L	MW-303	19	8	39			0.2000	0.2000			0.1000	nonpar	.99	**
Chromium	ug/L	MW-303	18	8	39			1.2000	1.0000			4.7600	nonpar	.99	**
Cobalt	ug/L	MW-303	19	8	39	18.4263	3.4367	10.6000	8.5000	18.4263	18.4263	37.3282	normal		
Copper	ug/L	MW-303	18	8	39			5.0000	5.0000			2.0000	nonpar	.99	**
Lead	ug/L	MW-303	19	8	39	0.4141	0.6266	1.0000	1.0000	0.4141	0.4141	3.8603	normal		
Nickel	ug/L	MW-303	19	8	39	38.9368	11.8360	18.2000	12.3000	38.9368	38.9368	104.0349	normal		
Selenium	ug/L	MW-303	19	8	39			2.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-303	19	8	39			5.0000	5.0000			0.3700	nonpar	.99	**
Thallium	ug/L	MW-303	19	8	39			0.5000	0.5000			0.9040	nonpar	.99	**
Vanadium	ug/L	MW-303	19	8	39			2.0000	2.0000			8.7300	nonpar	.99	**
Zinc	ug/L	MW-303	19	8	39	24.8742	44.8621	5.8000	6.9000	24.8742	24.8742	271.6156	normal		
Antimony	ug/L	MW-304	14	8	22			1.0000	1.0000			0.8160	nonpar	.99	**

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

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

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

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

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Arsenic	ug/L	MW-304	14	8	22	2.2164	2.2660	2.0000	2.0000	2.2164	2.2164	14.6794	normal		
Barium	ug/L	MW-304	14	8	22	66.5214	19.1409	82.9000	74.7000	74.6672	68.4900	171.7966	normal		
Beryllium	ug/L	MW-304	14	8	22			0.5000	0.5000			0.2210	nonpar	.99	**
Cadmium	ug/L	MW-304	12	8	22			0.2000	0.2000			0.0470	nonpar	.99	**
Chromium	ug/L	MW-304	14	8	22			1.0000	1.0000			1.2800	nonpar	.99	**
Cobalt	ug/L	MW-304	13	8	22	8.1031	3.3997	3.2000	0.8000	8.1031	8.1031	26.8014	normal		
Copper	ug/L	MW-304	14	8	22			5.0000	5.0000			2.8700	nonpar	.99	**
Lead	ug/L	MW-304	14	8	22			1.0000	1.0000			0.7370	nonpar	.99	**
Nickel	ug/L	MW-304	13	8	22	6.1354	2.3844	5.0000	5.0000	6.1354	6.1354	19.2496	normal		
Selenium	ug/L	MW-304	14	8	22			2.0000	2.0000			1.2400	nonpar	.99	**
Silver	ug/L	MW-304	14	8	22			5.0000	5.0000			0.1800	nonpar	.99	**
Thallium	ug/L	MW-304	14	8	22			0.5000	0.5000			0.2600	nonpar	.99	**
Vanadium	ug/L	MW-304	11	8	22			2.0000	2.0000			0.8400	nonpar	.99	**
Zinc	ug/L	MW-304	12	8	22	9.8533	1.6475	5.0000	5.0000	9.8533	9.8533	18.9147	normal		
Antimony	ug/L	MW-307	17	8	36			1.0000	1.0000			1.0000	nonpar	.99	**
Arsenic	ug/L	MW-307	17	8	36	3.2082	1.3796	2.0000	2.6000	3.2082	3.2082	10.7959	normal		
Barium	ug/L	MW-307	16	8	36	9.4050	2.3782	9.5000	9.9000	17.7505	16.4619	22.4849	normal		
Beryllium	ug/L	MW-307	17	8	36	0.6852	0.2854	0.5000	0.5000	0.6852	0.6852	2.2551	normal		
Cadmium	ug/L	MW-307	17	8	36	0.2898	0.2332	0.2000	0.2000	0.2898	0.2898	1.5724	normal		
Chromium	ug/L	MW-307	17	8	36			1.0000	1.0000			1.6000	nonpar	.99	**
Cobalt	ug/L	MW-307	16	8	36	54.4500	12.2189	37.4000	36.5000	54.4500	54.4500	121.6539	normal		
Copper	ug/L	MW-307	17	8	36			5.0000	5.0000			2.1900	nonpar	.99	**
Lead	ug/L	MW-307	17	8	36			1.0000	1.0000			0.7700	nonpar	.99	**
Nickel	ug/L	MW-307	17	8	36	85.1118	22.4967	53.4000	62.8000	85.1118	85.1118	208.8434	normal		
Selenium	ug/L	MW-307	17	8	36	2.8825	1.4130	2.0000	2.0000	2.8825	2.8825	10.6538	normal		
Silver	ug/L	MW-307	15	8	36			5.0000	5.0000			0.4200	nonpar	.99	**
Thallium	ug/L	MW-307	17	8	36			0.5000	0.5000			0.2700	nonpar	.99	**
Vanadium	ug/L	MW-307	16	8	36			2.0000	2.0000			1.1000	nonpar	.99	**
Zinc	ug/L	MW-307	16	8	36	421.3125	117.2108	238.0000	311.0000	421.3125	421.3125	1065.9717	normal		
Antimony	ug/L	MW-312	19	8	27			1.0000	1.0000			1.0000	nonpar	.99	**
Arsenic	ug/L	MW-312	19	8	27	1.2584	0.4060	2.0000	2.0000	1.2584	1.2584	3.4916	normal		
Barium	ug/L	MW-312	19	8	27	14.3563	3.5081	25.6000	23.3000	38.1942	35.8942	33.6507	normal		
Beryllium	ug/L	MW-312	19	8	27	0.4429	0.1366	0.5000	0.5000	0.4429	0.4429	1.1944	normal		
Cadmium	ug/L	MW-312	19	8	27			0.2000	0.2000			0.2460	nonpar	.99	**
Chromium	ug/L	MW-312	19	8	27			1.0000	1.0000			3.9000	nonpar	.99	**
Cobalt	ug/L	MW-312	19	8	27	36.5316	8.3421	36.7000	40.5000	36.5316	36.5316	82.4129	normal		
Copper	ug/L	MW-312	19	8	27			5.0000	5.0000			2.1900	nonpar	.99	**
Lead	ug/L	MW-312	19	8	27			1.0000	1.0000			1.6700	nonpar	.99	**
Nickel	ug/L	MW-312	19	8	27	102.1684	22.8484	53.0000	64.5000	102.1684	102.1684	227.8348	normal		
Selenium	ug/L	MW-312	19	8	27			2.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-312	19	8	27			5.0000	5.0000			0.4200	nonpar	.99	**
Thallium	ug/L	MW-312	19	8	27			0.5000	0.5000			0.2700	nonpar	.99	**
Vanadium	ug/L	MW-312	19	8	27			2.0000	2.0000			1.1000	nonpar	.99	**
Zinc	ug/L	MW-312	19	8	27	32.0316	50.1704	8.9000	17.2000	32.0316	32.0316	307.9690	normal		
Antimony	ug/L	MW-313	18	8	39			1.0000	1.0000			1.0000	nonpar	.99	**
Arsenic	ug/L	MW-313	19	8	39	5.6137	6.0073	4.6000	10.9000	15.5371	16.3180	38.6537	normal		

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

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

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

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

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Barium	ug/L	MW-313	19	8	39	25.9579	12.4960	21.8000	42.5000	25.9579	33.1280	94.6857	normal		
Beryllium	ug/L	MW-313	19	8	39			0.5000	0.5000			0.2700	nonpar	.99	**
Cadmium	ug/L	MW-313	19	8	39	0.1401	0.0446	0.2000	0.5000	0.1665	0.4930	0.3855	normal		
Chromium	ug/L	MW-313	19	8	39			1.3000	1.1000			2.9800	nonpar	.99	**
Cobalt	ug/L	MW-313	19	8	39	13.8165	16.6174	0.5000	0.7000	13.8165	13.8165	105.2120	normal		
Copper	ug/L	MW-313	19	8	39			5.0000	5.0000			2.9900	nonpar	.99	**
Lead	ug/L	MW-313	19	8	39	0.4094	0.2358	1.0000	1.0000	0.4094	0.4094	1.7062	normal		
Nickel	ug/L	MW-313	19	8	39	29.2011	22.2832	6.6000	34.0000	29.2011	29.2011	151.7589	normal		
Selenium	ug/L	MW-313	19	8	39			2.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-313	19	8	39			5.0000	5.0000			0.3700	nonpar	.99	**
Thallium	ug/L	MW-313	19	8	39			0.5000	0.5000			0.2600	nonpar	.99	**
Vanadium	ug/L	MW-313	19	8	39	16.3084	20.8998	4.8000	10.9000	16.3084	16.3084	131.2575	normal		
Zinc	ug/L	MW-313	19	8	39	21.4774	25.4503	7.8000	17.9000	21.4774	21.4774	161.4540	normal		
Antimony	ug/L	MW-335	20	8	40			1.0000	1.0000			0.7400	nonpar	.99	**
Arsenic	ug/L	MW-335	20	8	40	2.1758	1.7303	3.5000	4.1000	9.8817	10.5082	11.6924	normal		
Barium	ug/L	MW-335	20	8	40	13.0605	3.6877	14.3000	11.4000	13.0605	13.0605	33.3427	normal		
Beryllium	ug/L	MW-335	20	8	40	0.4493	0.1047	0.5000	0.5000	0.4493	0.4493	1.0249	normal		
Cadmium	ug/L	MW-335	20	8	40	0.2887	0.1722	0.2000	0.2000	0.2887	0.2887	1.2355	normal		
Chromium	ug/L	MW-335	19	8	40			1.0000	1.0000			2.9300	nonpar	.99	**
Cobalt	ug/L	MW-335	17	8	40	62.7588	24.7589	34.7000	14.1000	62.7588	62.7588	198.9330	normal		
Copper	ug/L	MW-335	20	8	40			5.0000	5.0000			2.0000	nonpar	.99	**
Lead	ug/L	MW-335	20	8	40	0.3620	0.2657	1.0000	1.0000	0.3620	0.3620	1.8237	normal		
Nickel	ug/L	MW-335	18	8	40	104.3333	75.5987	44.4000	36.3000	104.3333	104.3333	520.1264	normal		
Selenium	ug/L	MW-335	20	8	40			2.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-335	20	8	40			5.0000	5.0000			0.3700	nonpar	.99	**
Thallium	ug/L	MW-335	20	8	40			0.5000	0.5000			0.2700	nonpar	.99	**
Vanadium	ug/L	MW-335	20	8	40			2.0000	2.0000			1.1000	nonpar	.99	**
Zinc	ug/L	MW-335	20	8	40	73.6000	54.9016	28.2000	29.5000	73.6000	73.6000	375.5586	normal		
Antimony	ug/L	MW-344	19	8	39			1.0000	1.0000			5.0200	nonpar	.99	**
Arsenic	ug/L	MW-344	19	8	39	1.2918	0.6384	2.0000	2.0000	1.2918	1.2918	4.8027	normal		
Barium	ug/L	MW-344	19	8	39	14.2484	3.6378	12.6000	12.5000	14.2484	14.2484	34.2564	normal		
Beryllium	ug/L	MW-344	19	8	39			0.5000	0.5000			0.4010	nonpar	.99	**
Cadmium	ug/L	MW-344	19	8	39	0.2549	0.1916	0.2000	0.2000	0.2549	0.2549	1.3088	normal		
Chromium	ug/L	MW-344	19	8	39			1.1000	1.0000			5.5200	nonpar	.99	**
Cobalt	ug/L	MW-344	19	8	39	155.4526	73.3058	220.0000	167.0000	165.0206	155.4526	558.6346	normal		
Copper	ug/L	MW-344	19	8	39			5.0000	5.0000			2.0000	nonpar	.99	**
Lead	ug/L	MW-344	19	8	39			1.0000	1.0000			0.7260	nonpar	.99	**
Nickel	ug/L	MW-344	19	8	39	131.8526	66.3648	147.0000	136.0000	131.8526	131.8526	496.8592	normal		
Selenium	ug/L	MW-344	19	8	39			2.0000	2.0000			1.0600	nonpar	.99	**
Silver	ug/L	MW-344	19	8	39			5.0000	5.0000			0.3700	nonpar	.99	**
Thallium	ug/L	MW-344	19	8	39			0.5000	0.5000			0.2600	nonpar	.99	**
Vanadium	ug/L	MW-344	19	8	39			2.0000	2.0000			1.1000	nonpar	.99	**
Zinc	ug/L	MW-344	19	8	39	36.4368	45.8120	19.3000	22.9000	36.4368	36.4368	288.4030	normal		
Antimony	ug/L	MW-380	18	8	39			1.0000	1.0000			1.1000	nonpar	.99	**
Arsenic	ug/L	MW-380	19	8	39	5.6442	1.6391	2.0000	2.0000	5.6442	5.6442	14.6594	normal		
Barium	ug/L	MW-380	17	8	39	8.4441	1.6486	9.1000	12.6000	10.8829	13.8024	17.5116	normal		

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

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

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

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

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Beryllium	ug/L	MW-380	19	8	39	7.4989	3.3671	0.6000	1.8000	7.4989	7.4989	26.0180	normal		
Cadmium	ug/L	MW-380	19	8	40	9.7553	4.2708	5.6000	7.7000	9.7553	9.7553	33.2446	normal		
Chromium	ug/L	MW-380	19	8	39	14.6711	8.5880	1.0000	1.0000	14.6711	14.6711	61.9049	normal		
Cobalt	ug/L	MW-380	18	8	39	1139.3333	325.1624	115.0000	314.0000	1139.3333	1139.3333	2927.7265	normal		
Copper	ug/L	MW-380	19	8	39	13.6163	8.6109	5.0000	5.0000	13.6163	13.6163	60.9762	normal		
Lead	ug/L	MW-380	19	8	39	2.1032	1.6916	1.0000	1.0000	2.1032	2.1032	11.4069	normal		
Nickel	ug/L	MW-380	19	8	39	1543.9474	478.1781	237.0000	485.0000	1543.9474	1543.9474	4173.9268	normal		
Selenium	ug/L	MW-380	19	8	39	10.7253	6.8124	2.0000	2.0000	10.7253	10.7253	48.1936	normal		
Silver	ug/L	MW-380	18	8	39			5.0000	5.0000			1.0000	nonpar	.99	**
Thallium	ug/L	MW-380	19	8	39	0.7228	0.3760	0.5000	0.5000	0.7228	0.7228	2.7908	normal		
Vanadium	ug/L	MW-380	19	8	39	7.0337	3.7039	2.0000	2.0000	7.0337	7.0337	27.4053	normal		
Zinc	ug/L	MW-380	20	8	40	4417.5000	1437.7646	1570.0000	2930.0000	4417.5000	4417.5000	12325.2054	normal		
Antimony	ug/L	MW-381	19	8	39			1.0000	1.0000			0.7400	nonpar	.99	**
Arsenic	ug/L	MW-381	19	8	39			2.0000	2.0000			7.1400	nonpar	.99	**
Barium	ug/L	MW-381	19	8	40	11.0842	3.8217	8.4000	14.0000	11.0842	11.1337	32.1037	normal		
Beryllium	ug/L	MW-381	19	8	39			0.5000	0.5000			0.2700	nonpar	.99	**
Cadmium	ug/L	MW-381	19	8	39	0.2688	0.2736	0.2000	0.2000	0.2688	0.2688	1.7735	normal		
Chromium	ug/L	MW-381	19	8	39			1.0000	1.0000			3.9000	nonpar	.99	**
Cobalt	ug/L	MW-381	19	8	39	3.6049	11.2517	0.5000	0.5000	3.6049	3.6049	65.4894	normal		
Copper	ug/L	MW-381	19	8	39	2.7779	0.6573	5.0000	5.0000	2.7779	2.7779	6.3932	normal		
Lead	ug/L	MW-381	19	8	39	0.5266	0.1986	1.0000	1.0000	0.5266	0.5266	1.6188	normal		
Nickel	ug/L	MW-381	19	8	39	22.4942	20.1734	5.0000	5.0000	22.4942	22.4942	133.4479	normal		
Selenium	ug/L	MW-381	19	8	39			2.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-381	19	8	39			5.0000	5.0000			0.3700	nonpar	.99	**
Thallium	ug/L	MW-381	19	8	39			0.5000	0.5000			0.2600	nonpar	.99	**
Vanadium	ug/L	MW-381	19	8	39			2.0000	2.0000			2.9800	nonpar	.99	**
Zinc	ug/L	MW-381	19	8	39	26.6526	44.1854	5.0000	7.5000	26.6526	26.6526	269.6723	normal		
Antimony	ug/L	MW-382R	18	8	33			1.0000	1.0000			0.7400	nonpar	.99	**
Arsenic	ug/L	MW-382R	19	8	33			2.0000	2.0000			0.8800	nonpar	.99	**
Barium	ug/L	MW-382R	19	8	33	24.0789	2.9735	23.4000	24.3000	24.0789	24.0789	40.4332	normal		
Beryllium	ug/L	MW-382R	19	8	33			0.5000	0.5000			0.2700	nonpar	.99	**
Cadmium	ug/L	MW-382R	19	8	33			0.2000	0.2000			0.1120	nonpar	.99	**
Chromium	ug/L	MW-382R	19	8	33			1.0000	1.0000			5.9100	nonpar	.99	**
Cobalt	ug/L	MW-382R	19	8	33	2.7904	2.5011	0.9000	4.0000	2.7904	2.7904	16.5465	normal		
Copper	ug/L	MW-382R	19	8	33			5.0000	5.0000			2.0000	nonpar	.99	**
Lead	ug/L	MW-382R	19	8	33			1.0000	1.0000			0.5860	nonpar	.99	**
Nickel	ug/L	MW-382R	16	8	33	4.3969	1.0788	5.4000	8.1000	4.5909	7.4850	10.3302	normal		
Selenium	ug/L	MW-382R	19	8	33			2.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-382R	19	8	33			5.0000	5.0000			0.4200	nonpar	.99	**
Thallium	ug/L	MW-382R	19	8	33			0.5000	0.5000			0.2600	nonpar	.99	**
Vanadium	ug/L	MW-382R	19	8	33			2.0000	2.0000			2.1500	nonpar	.99	**
Zinc	ug/L	MW-382R	18	8	33			5.0000	8.1000			175.0000	nonpar	.99	**
Antimony	ug/L	MW-390	17	8	33			1.0000	1.0000			1.0000	nonpar	.99	**
Arsenic	ug/L	MW-390	17	8	33	15.1676	3.3735	17.5000	16.6000	18.5834	17.4857	33.7217	normal		
Barium	ug/L	MW-390	17	8	33	27.6118	7.7772	16.5000	18.7000	27.6118	27.6118	70.3864	normal		
Beryllium	ug/L	MW-390	17	8	33			0.5000	0.5000			0.2700	nonpar	.99	**

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

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

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

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

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Cadmium	ug/L	MW-390	17	8	33	0.3144	0.2610	0.2000	0.2000	0.3144	0.3144	1.7499	normal		
Chromium	ug/L	MW-390	17	8	33			1.1000	1.0000			5.5100	nonpar	.99	**
Cobalt	ug/L	MW-390	17	8	33	106.2412	8.9517	106.0000	99.7000	106.2412	106.2412	155.4754	normal		
Copper	ug/L	MW-390	17	8	33			5.0000	5.0000			2.1900	nonpar	.99	**
Lead	ug/L	MW-390	17	8	33	1.5224	0.7021	1.0000	1.0000	1.5224	1.5224	5.3839	normal		
Nickel	ug/L	MW-390	17	8	33	53.7647	5.6887	42.8000	54.8000	53.7647	53.7647	85.0525	normal		
Selenium	ug/L	MW-390	17	8	33			2.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-390	17	8	33			5.0000	5.0000			0.4200	nonpar	.99	**
Thallium	ug/L	MW-390	17	8	33			0.5000	0.5000			1.1700	nonpar	.99	**
Vanadium	ug/L	MW-390	17	8	33			2.0000	2.0000			8.9100	nonpar	.99	**
Zinc	ug/L	MW-390	16	8	33	129.1187	85.2843	127.0000	137.0000	129.1187	129.1187	598.1822	normal		
Antimony	ug/L	MW-601	8	3	11			2.0000	1.0000			2.0000	nonpar	.99	**
Arsenic	ug/L	MW-601	8	3	11			4.0000	2.0000			3.8200	nonpar	.99	**
Barium	ug/L	MW-601	8	3	11	15.7275	6.8264	39.2000	20.6000	32.3736	30.4197	53.2727	normal		
Beryllium	ug/L	MW-601	8	3	11			4.0000	0.5000			1.0800	nonpar	.99	**
Cadmium	ug/L	MW-601	8	3	11	0.5500	0.3470	0.8000	0.2000	0.5500	0.5500	2.4585	normal		
Chromium	ug/L	MW-601	8	3	11			8.0000	3.3000			4.4000	nonpar	.99	**
Cobalt	ug/L	MW-601	7	3	11	175.5143	96.8444	19.3000	1.1000	175.5143	175.5143	708.1585	normal		
Copper	ug/L	MW-601	8	3	11			4.0000	5.0000			4.0000	nonpar	.99	**
Lead	ug/L	MW-601	8	3	11	0.7870	0.3238	4.0000	1.0000	0.7870	0.7870	2.5682	normal		
Nickel	ug/L	MW-601	8	3	11	227.2000	163.1237	25.8000	5.0000	227.2000	227.2000	1124.3805	normal		
Selenium	ug/L	MW-601	8	3	11			4.0000	2.0000			3.8400	nonpar	.99	**
Silver	ug/L	MW-601	8	3	11			4.0000	5.0000			1.6800	nonpar	.99	**
Thallium	ug/L	MW-601	8	3	11			2.0000	0.5000			1.0400	nonpar	.99	**
Vanadium	ug/L	MW-601	8	3	11			20.0000	2.0000			4.4000	nonpar	.99	**
Zinc	ug/L	MW-601	8	3	11	124.2500	114.4054	20.0000	5.0000	124.2500	124.2500	753.4797	normal		
Antimony	ug/L	MW-602	8	4	12			1.0000	1.0000			1.1000	nonpar	.99	**
Arsenic	ug/L	MW-602	8	4	12	2.9013	1.1852	2.0000	2.0000	2.9013	2.9013	9.4200	normal		
Barium	ug/L	MW-602	8	4	12	11.6750	0.9020	9.7000	11.7000	11.6750	11.6750	16.6359	normal		
Beryllium	ug/L	MW-602	8	4	12			0.5000	0.5000			0.5400	nonpar	.99	**
Cadmium	ug/L	MW-602	8	4	12	0.4625	0.3620	0.2000	0.2000	0.4625	0.4625	2.4534	normal		
Chromium	ug/L	MW-602	8	4	12			1.0000	1.0000			1.1000	nonpar	.99	**
Cobalt	ug/L	MW-602	8	4	12	208.3750	24.7787	185.0000	252.0000	208.3750	227.2213	344.6576	normal		
Copper	ug/L	MW-602	8	4	12			5.0000	5.0000			4.0000	nonpar	.99	**
Lead	ug/L	MW-602	8	4	12			1.0000	1.0000			0.9600	nonpar	.99	**
Nickel	ug/L	MW-602	8	4	12	296.8750	41.8652	254.0000	367.0000	296.8750	325.1348	527.1337	normal		
Selenium	ug/L	MW-602	8	4	12			2.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-602	8	4	12			5.0000	5.0000			0.4200	nonpar	.99	**
Thallium	ug/L	MW-602	8	4	12			0.5000	0.5000			0.2600	nonpar	.99	**
Vanadium	ug/L	MW-602	8	4	12			2.0000	2.0000			1.1000	nonpar	.99	**
Zinc	ug/L	MW-602	8	4	12	131.2500	26.5155	114.0000	199.0000	131.2500	172.4845	277.0852	normal		
Antimony	ug/L	MW-603	8	4	12			1.0000	1.0000			1.1000	nonpar	.99	**
Arsenic	ug/L	MW-603	8	4	12	5.1550	0.9458	4.6000	5.0000	5.1550	5.1550	10.3571	normal		
Barium	ug/L	MW-603	8	4	12	30.5000	8.4703	20.7000	21.3000	30.5000	30.5000	77.0866	normal		
Beryllium	ug/L	MW-603	8	4	12			0.5000	0.5000			0.2700	nonpar	.99	**
Cadmium	ug/L	MW-603	8	4	12	0.1878	0.0608	0.2000	0.2000	0.1878	0.1878	0.5219	normal		

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

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

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

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

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Chromium	ug/L	MW-603	8	4	12			1.0000	1.0000			4.4000	nonpar	.99	**
Cobalt	ug/L	MW-603	8	4	12	32.2125	14.8396	14.1000	11.5000	32.2125	32.2125	113.8301	normal		
Copper	ug/L	MW-603	8	4	12			5.0000	5.0000			3.2000	nonpar	.99	**
Lead	ug/L	MW-603	8	4	12	1.1030	0.5157	1.0000	1.0000	1.1030	1.1030	3.9396	normal		
Nickel	ug/L	MW-603	8	4	12	15.6813	9.4611	6.2000	7.7000	15.6813	15.6813	67.7174	normal		
Selenium	ug/L	MW-603	8	4	12			2.0000	2.0000			1.0000	nonpar	.99	**
Silver	ug/L	MW-603	8	4	12			5.0000	5.0000			0.4200	nonpar	.99	**
Thallium	ug/L	MW-603	8	4	12			0.5000	0.5000			0.2600	nonpar	.99	**
Vanadium	ug/L	MW-603	8	4	12			2.0000	2.0000			4.4000	nonpar	.99	**
Zinc	ug/L	MW-603	8	4	12	17.8375	4.0362	6.4000	23.3000	17.8375	19.2638	40.0368	normal		
Antimony	ug/L	MW-604	4	0	4								nonpar *		**
Arsenic	ug/L	MW-604	4	0	4								nonpar *		**
Barium	ug/L	MW-604	4	0	4	24.9500	11.0756	19.9000	15.1000			85.8661	normal		
Beryllium	ug/L	MW-604	4	0	4								nonpar *	**	
Cadmium	ug/L	MW-604	4	0	4								nonpar *	**	
Chromium	ug/L	MW-604	4	0	4	6.2750	3.4500	1.1000	8.0000			25.2500	normal		
Cobalt	ug/L	MW-604	4	0	4	94.7000	4.9356	89.0000	93.8000			121.8457	normal		
Copper	ug/L	MW-604	4	0	4								nonpar *	**	
Lead	ug/L	MW-604	4	0	4								nonpar *	**	
Nickel	ug/L	MW-604	4	0	4	124.0000	17.1464	104.0000	145.0000			218.3054	normal		
Selenium	ug/L	MW-604	4	0	4								nonpar *	**	
Silver	ug/L	MW-604	4	0	4								nonpar *	**	
Thallium	ug/L	MW-604	4	0	4								nonpar *	**	
Vanadium	ug/L	MW-604	4	0	4								nonpar *	**	
Zinc	ug/L	MW-604	4	0	4	35.6250	12.4248	17.6000	38.0000			103.9614	normal		

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

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

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

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

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 4

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

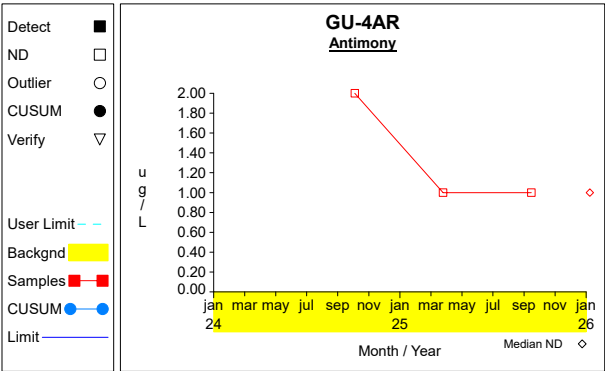
Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Barium	ug/L	MW-300	04/16/2014	3.4400		09/18/2012-10/27/2021	19	0.5503
Cobalt	ug/L	MW-300	04/16/2014	42.3000		09/18/2012-10/27/2021	19	0.5503
Cadmium	ug/L	MW-304	03/22/2016	0.3710		03/22/2016-10/27/2021	14	0.6174
Cadmium	ug/L	MW-304	10/02/2018	0.1670	< 0.1670	03/22/2016-10/27/2021	14	0.6174
Cobalt	ug/L	MW-304	04/16/2021	37.2000		03/22/2016-10/27/2021	14	0.6403
Nickel	ug/L	MW-304	04/16/2021	27.1000		03/22/2016-10/27/2021	14	0.6403
Vanadium	ug/L	MW-304	03/22/2016	0.2550	< 0.2550	03/22/2016-10/27/2021	14	0.6174
Vanadium	ug/L	MW-304	10/20/2016	0.2550	< 0.2550	03/22/2016-10/27/2021	14	0.6174
Vanadium	ug/L	MW-304	01/18/2017	0.2550	< 0.2550	03/22/2016-10/27/2021	14	0.6174
Zinc	ug/L	MW-304	04/16/2021	66.3000		03/22/2016-10/27/2021	14	0.6174
Zinc	ug/L	MW-304	10/27/2021	31.1000		03/22/2016-10/27/2021	14	0.6174
Barium	ug/L	MW-307	09/26/2013	30.0000	< 30.0000	09/18/2012-10/28/2021	17	0.5798
Cobalt	ug/L	MW-307	10/28/2021	14.8000		09/18/2012-10/28/2021	17	0.5798
Zinc	ug/L	MW-307	10/28/2021	10.6000		09/18/2012-10/28/2021	17	0.5798
Cobalt	ug/L	MW-335	09/24/2019	382.0000		09/19/2012-10/27/2021	20	0.5381
Cobalt	ug/L	MW-335	09/16/2020	0.1380		09/19/2012-10/27/2021	20	0.5503
Cobalt	ug/L	MW-335	04/15/2021	0.1770		09/19/2012-10/27/2021	20	0.5503
Nickel	ug/L	MW-335	09/16/2020	1.9000	< 1.9000	09/19/2012-10/27/2021	20	0.5503
Nickel	ug/L	MW-335	04/15/2021	1.9000	< 1.9000	09/19/2012-10/27/2021	20	0.5503
Barium	ug/L	MW-380	03/09/2017	104.0000	< 104.0000	09/19/2012-10/27/2021	19	0.5643
Barium	ug/L	MW-380	03/14/2018	52.0000	< 52.0000	09/19/2012-10/27/2021	19	0.5643
Cadmium	ug/L	MW-380	03/09/2017	57.4000		09/19/2012-10/27/2021	20	0.5381
Cobalt	ug/L	MW-380	09/02/2015	15.0000	< 15.0000	09/19/2012-10/27/2021	19	0.5503
Barium	ug/L	MW-381	09/02/2015	83.3000		09/20/2012-10/27/2021	20	0.5381
Nickel	ug/L	MW-382R	09/20/2012	50.0000	< 50.0000	09/20/2012-10/27/2021	19	0.5643
Nickel	ug/L	MW-382R	03/27/2013	50.0000	< 50.0000	09/20/2012-10/27/2021	19	0.5643
Nickel	ug/L	MW-382R	04/15/2014	50.0000	< 50.0000	09/20/2012-10/27/2021	19	0.5643
Zinc	ug/L	MW-382R	03/23/2016	10000.0000	< 10000.0000	09/20/2012-10/27/2021	19	0.5503
Zinc	ug/L	MW-390	03/22/2016	5.2100	< 5.2100	09/18/2012-10/26/2021	17	0.5798
Cobalt	ug/L	MW-601	03/06/2023	0.8000		03/09/2020-09/29/2023	8	0.6808

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

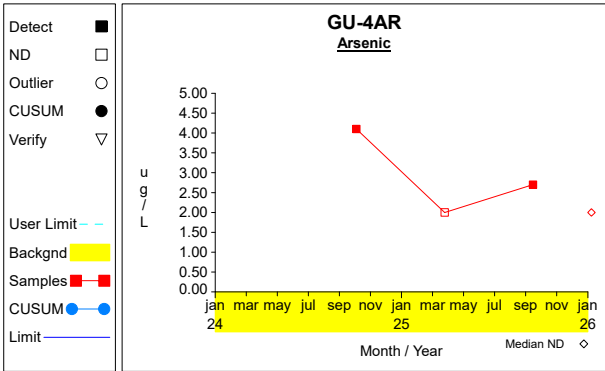
Date Range = Dates of the first and last measurements included in background at each well.

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

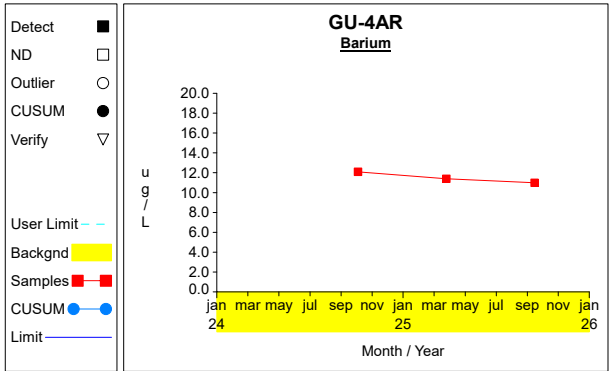
Intra-Well Control Charts / Prediction Limits



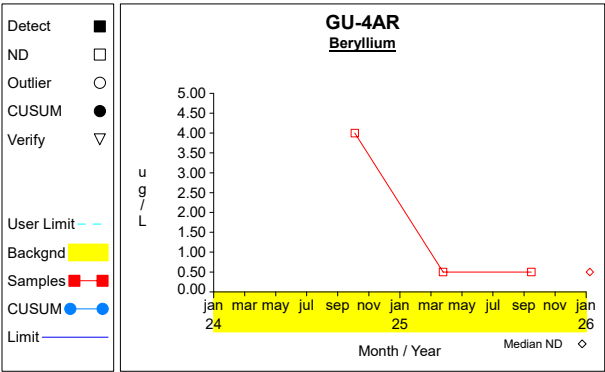
Graph 1



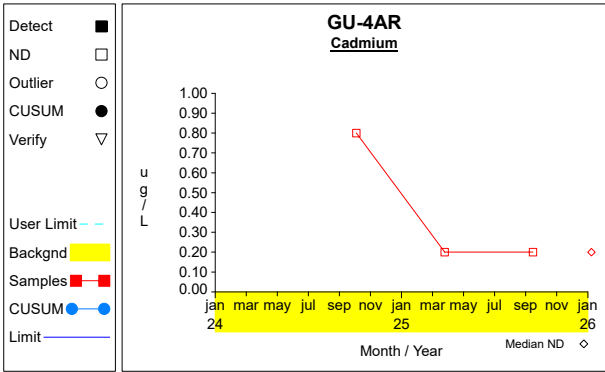
Graph 2



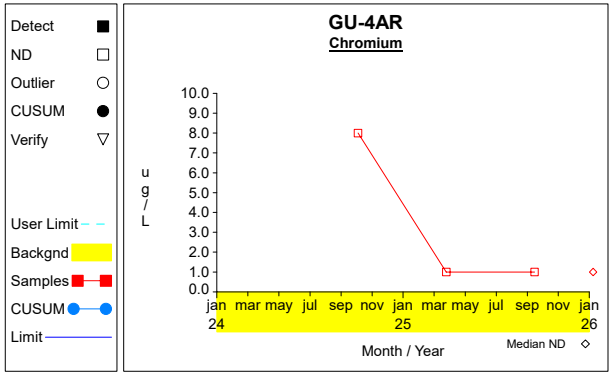
Graph 3



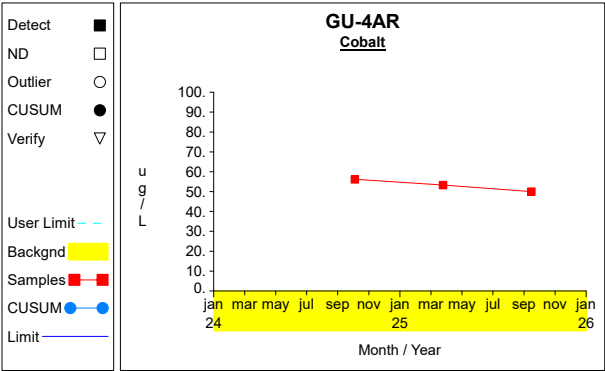
Graph 4



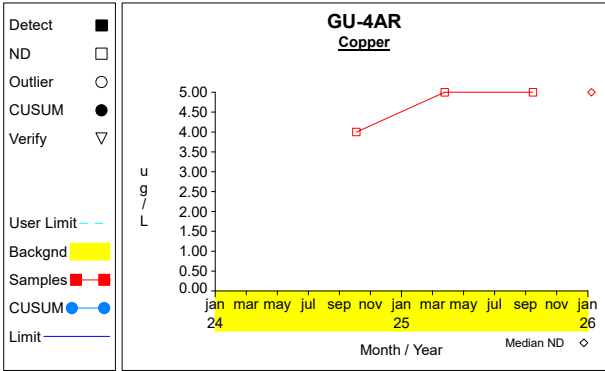
Graph 5



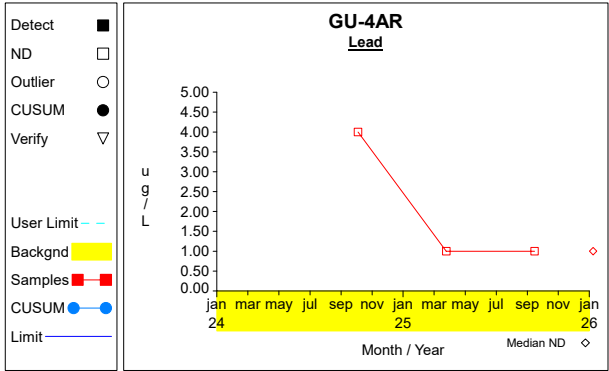
Graph 6



Graph 7

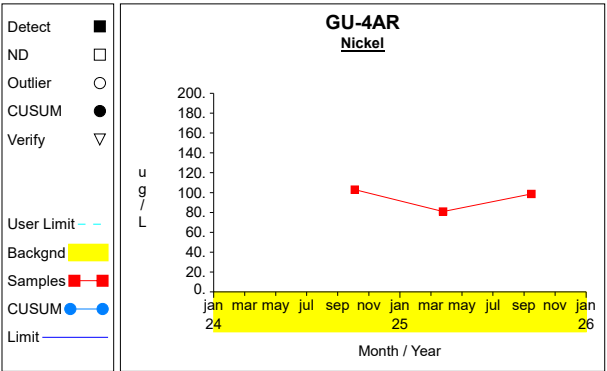


Graph 8

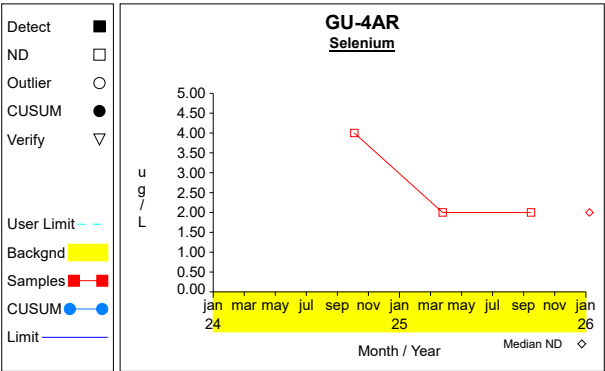


Graph 9

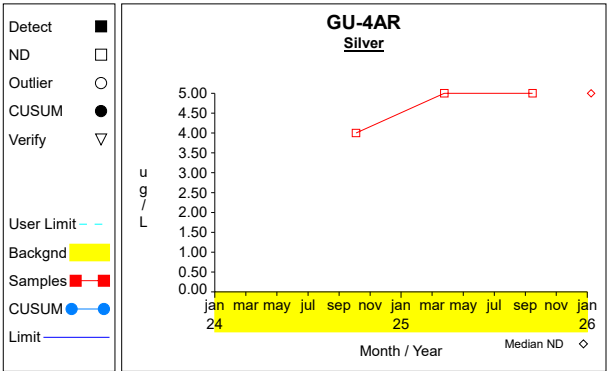
Intra-Well Control Charts / Prediction Limits



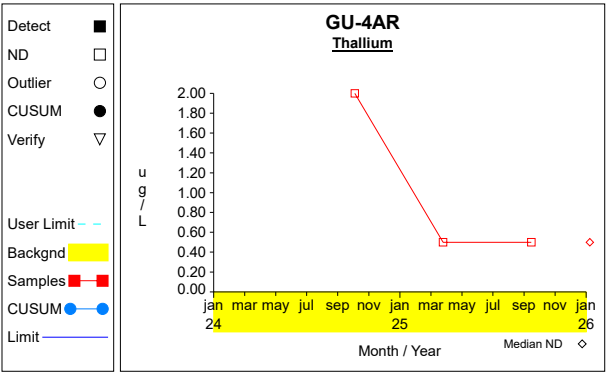
Graph 10



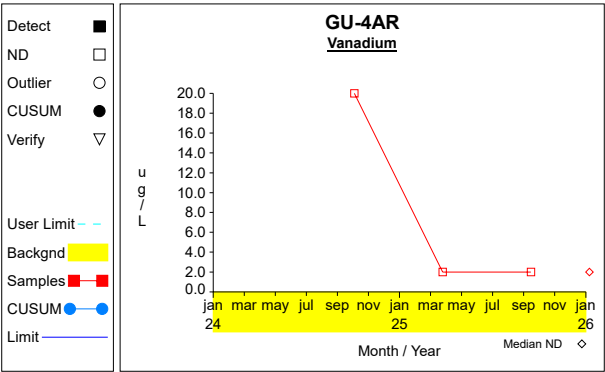
Graph 11



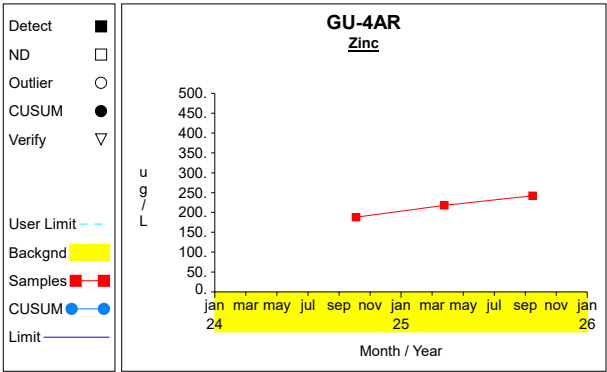
Graph 12



Graph 13

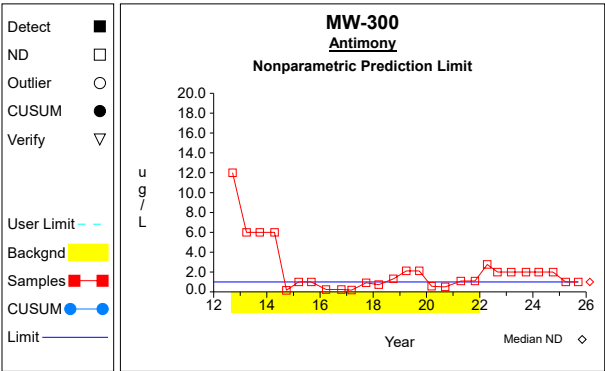


Graph 14

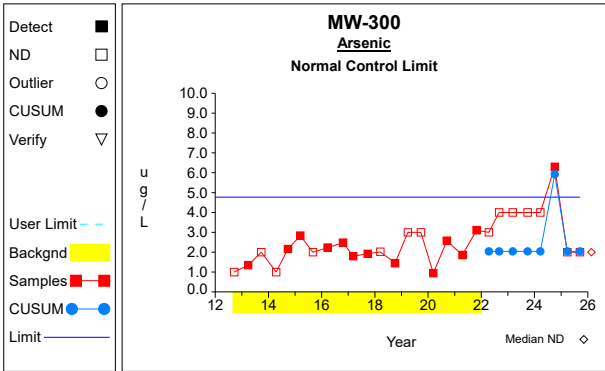


Graph 15

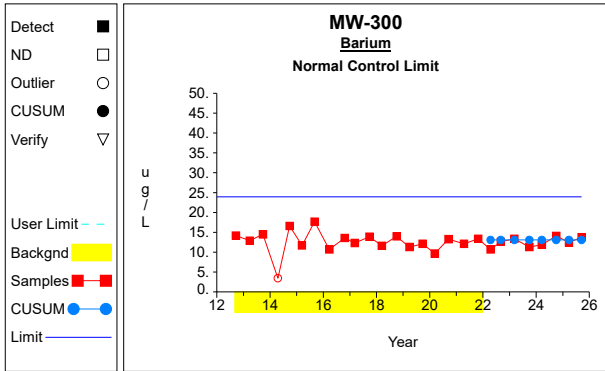
Intra-Well Control Charts / Prediction Limits



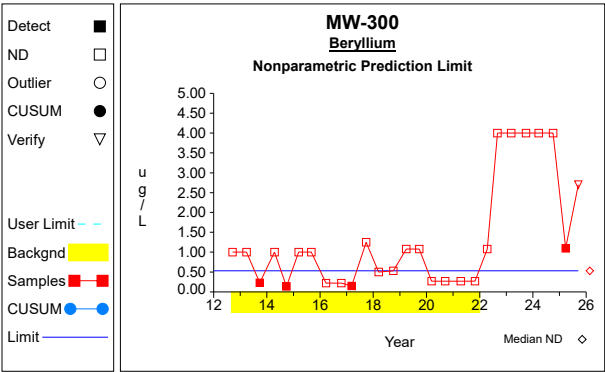
Graph 16



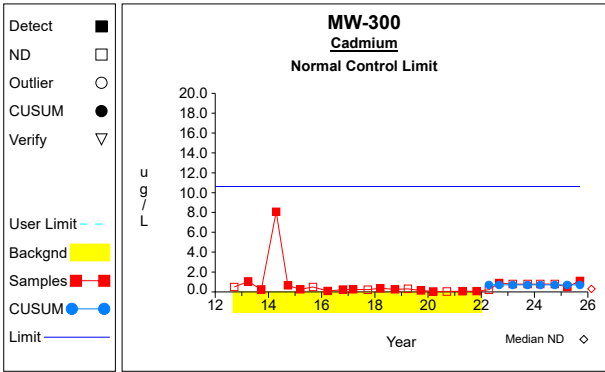
Graph 17



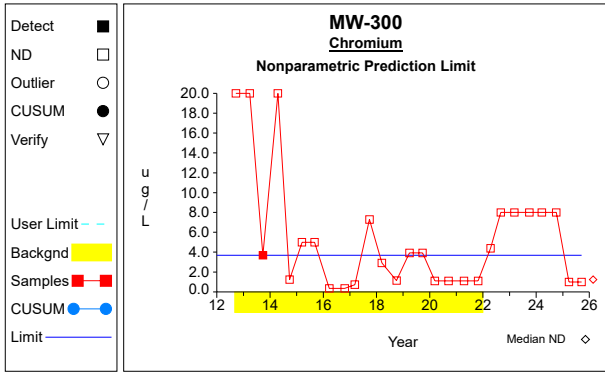
Graph 18



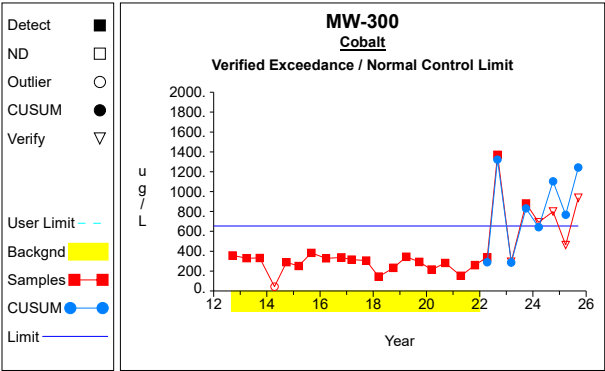
Graph 19



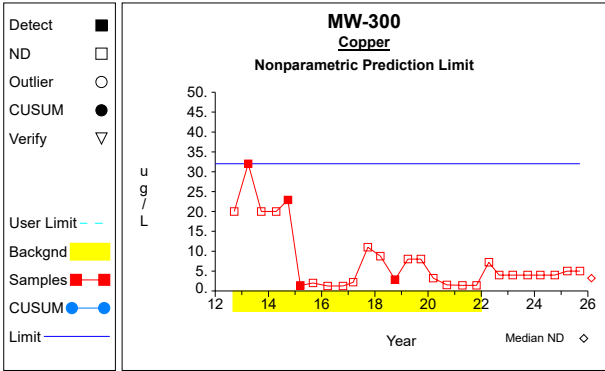
Graph 20



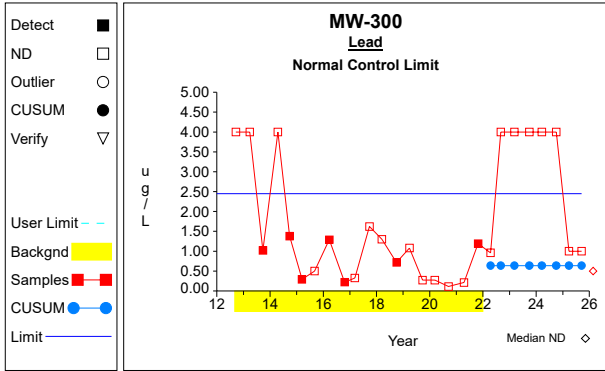
Graph 21



Graph 22

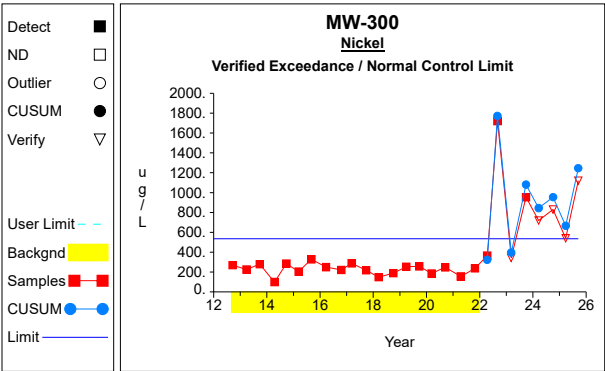


Graph 23

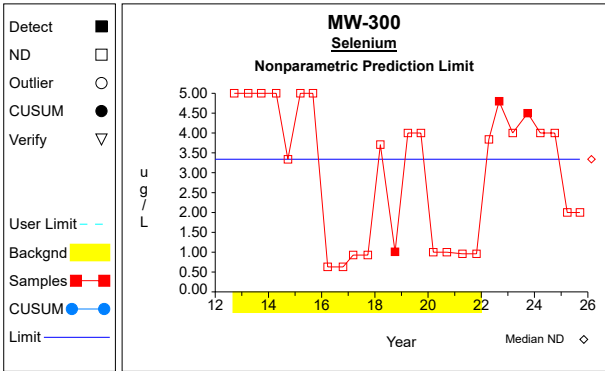


Graph 24

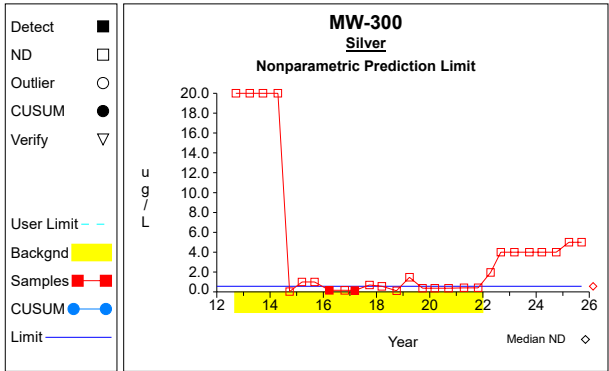
Intra-Well Control Charts / Prediction Limits



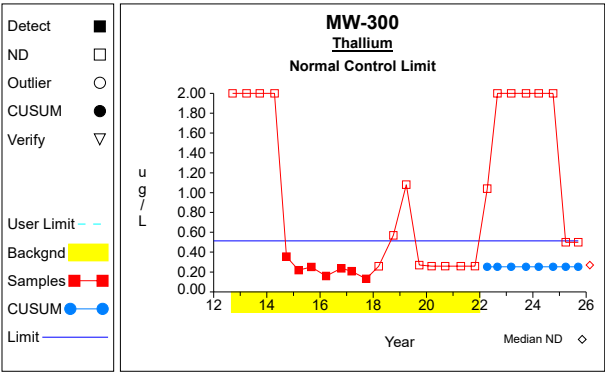
Graph 25



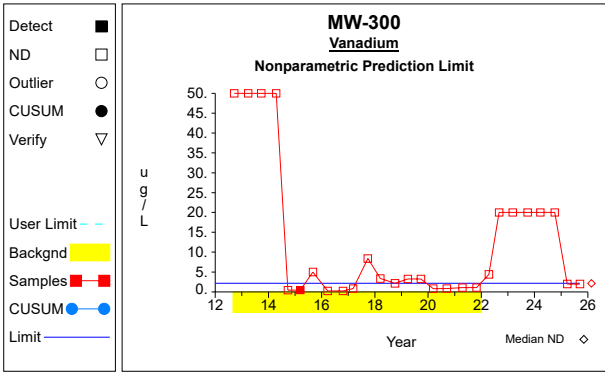
Graph 26



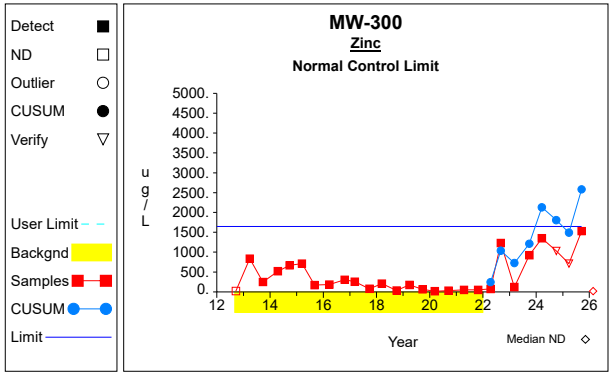
Graph 27



Graph 28

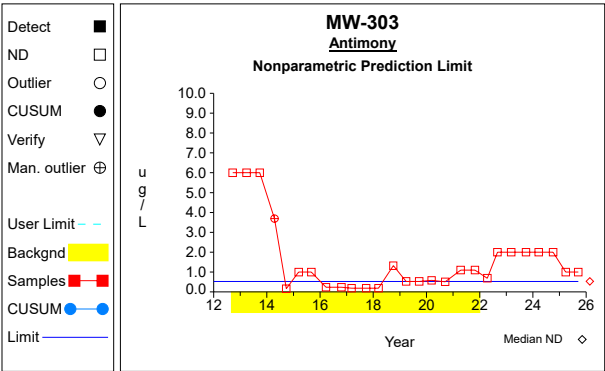


Graph 29

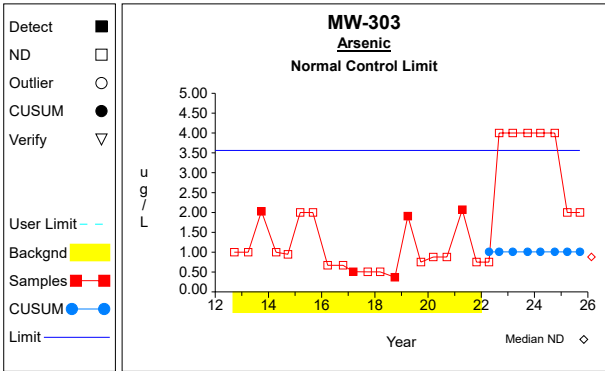


Graph 30

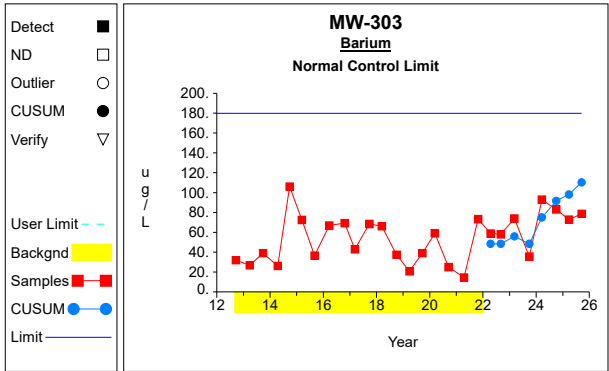
Intra-Well Control Charts / Prediction Limits



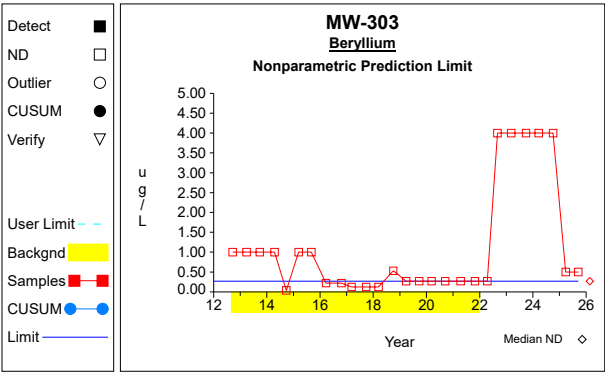
Graph 31



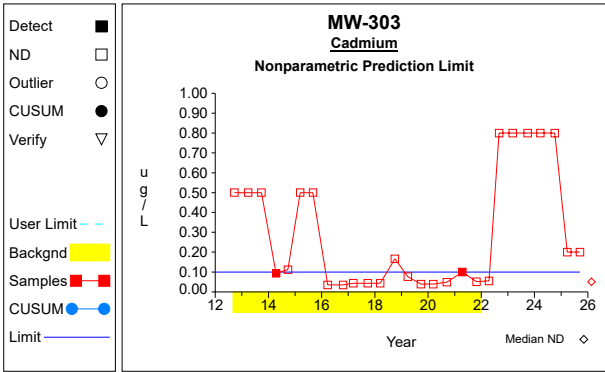
Graph 32



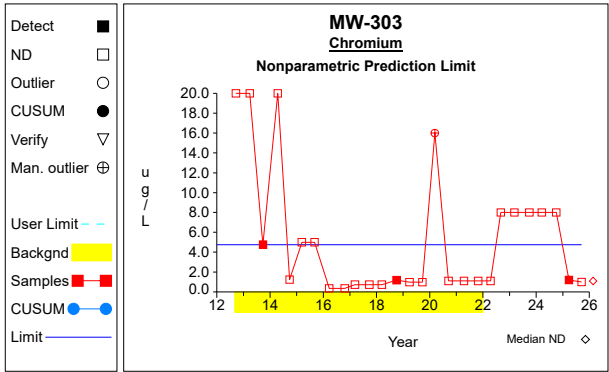
Graph 33



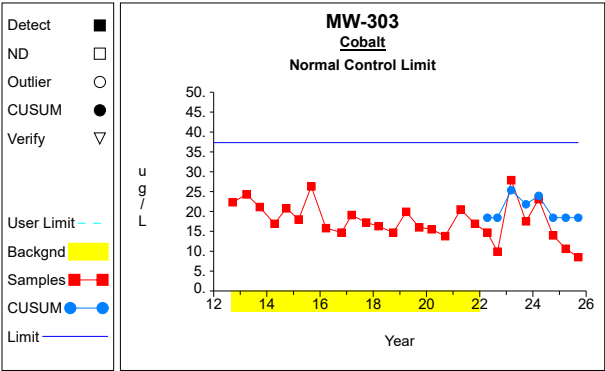
Graph 34



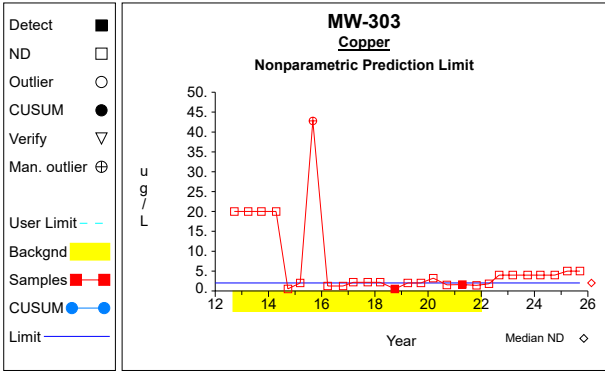
Graph 35



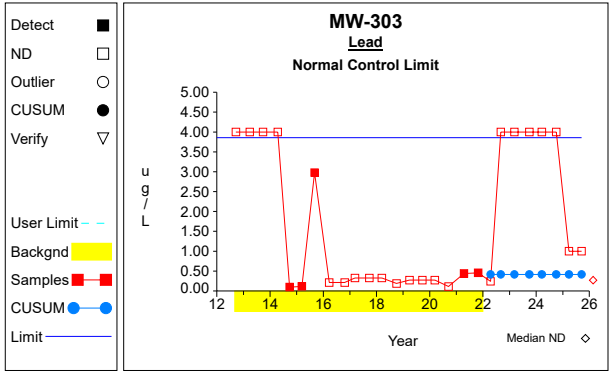
Graph 36



Graph 37

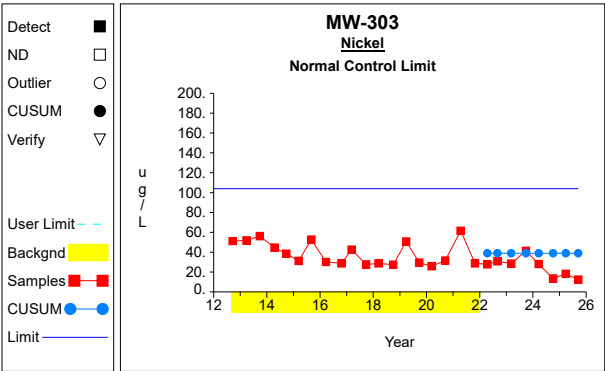


Graph 38

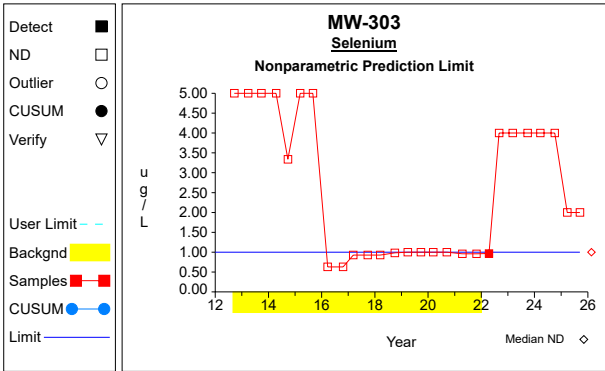


Graph 39

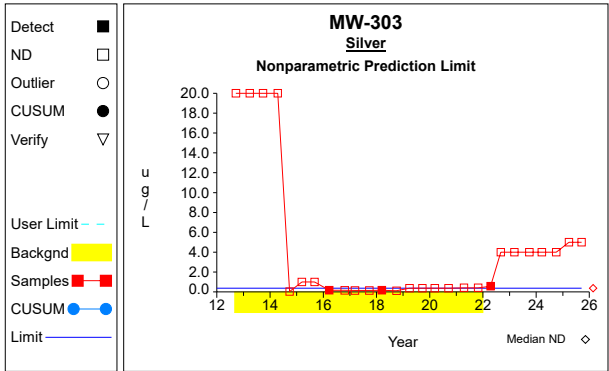
Intra-Well Control Charts / Prediction Limits



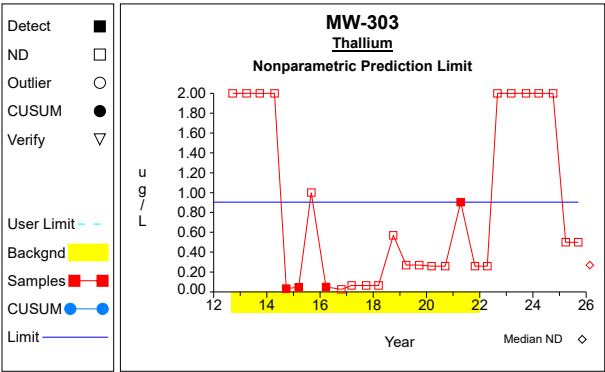
Graph 40



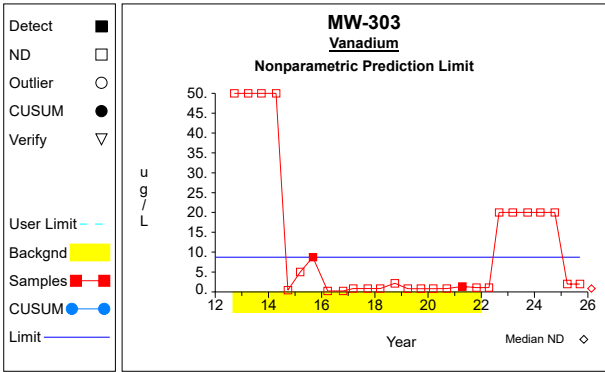
Graph 41



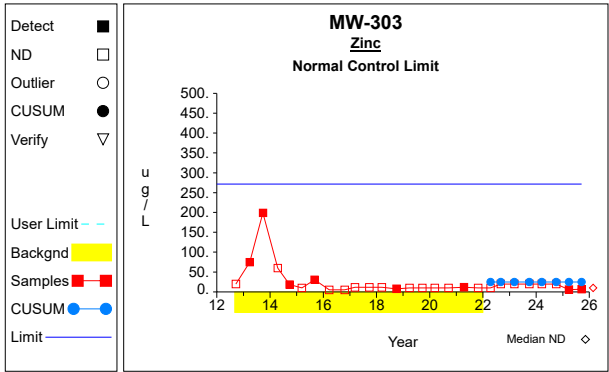
Graph 42



Graph 43

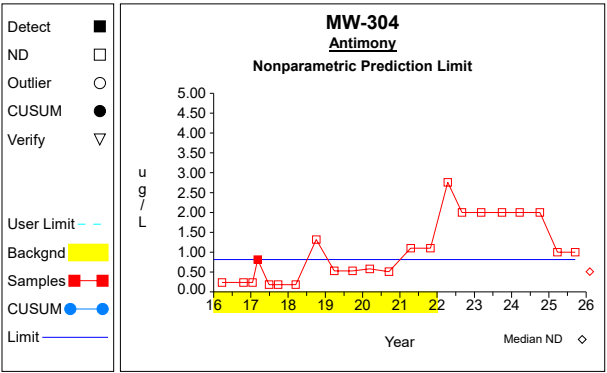


Graph 44

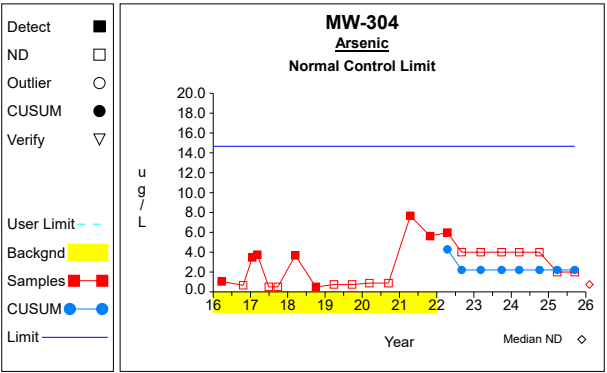


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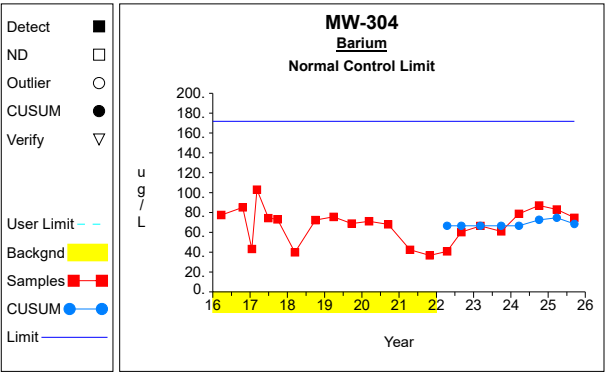
Intra-Well Control Charts / Prediction Limits



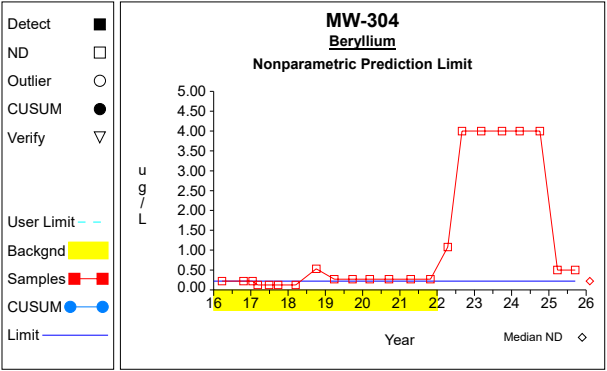
Graph 46



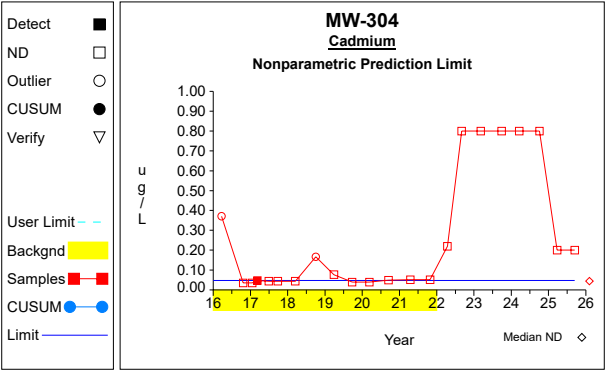
Graph 47



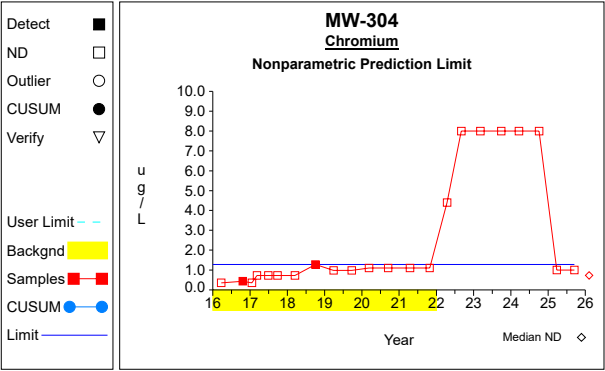
Graph 48



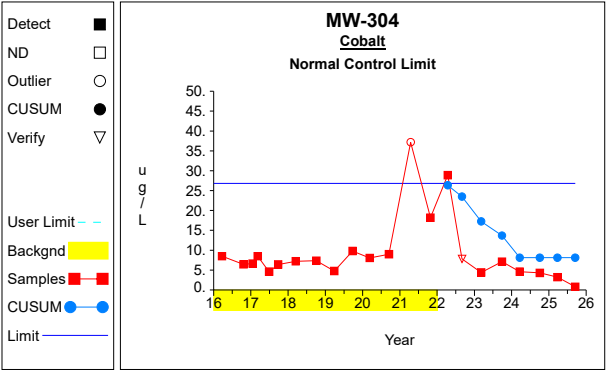
Graph 49



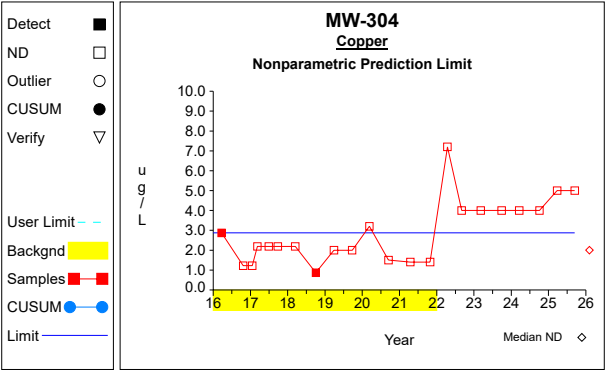
Graph 50



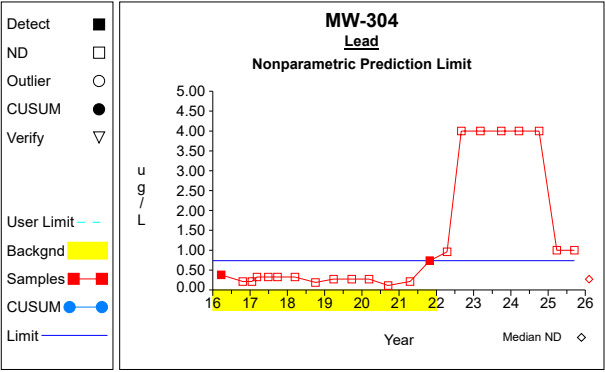
Graph 51



Graph 52

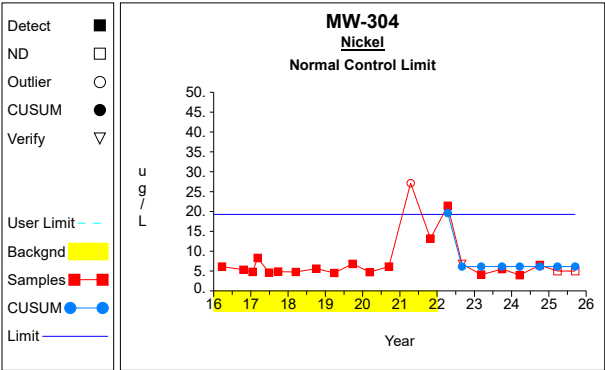


Graph 53

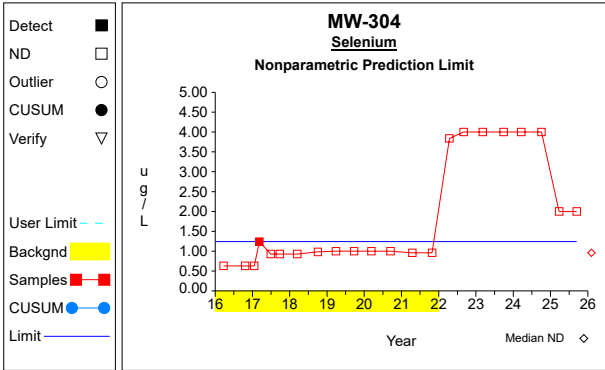


Graph 54

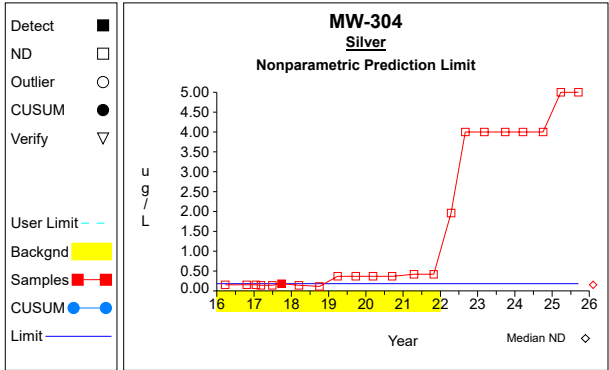
Intra-Well Control Charts / Prediction Limits



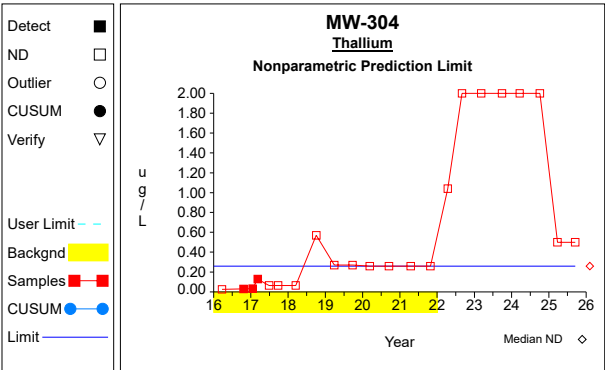
Graph 55



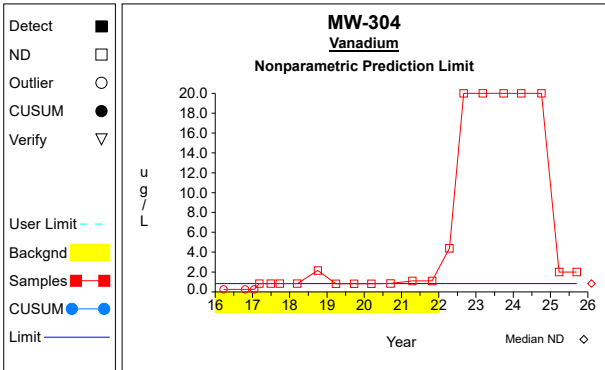
Graph 56



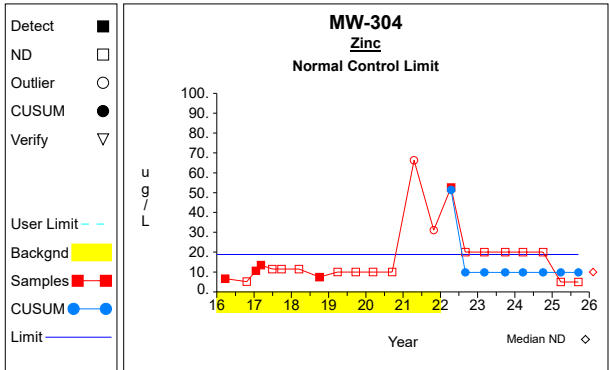
Graph 57



Graph 58

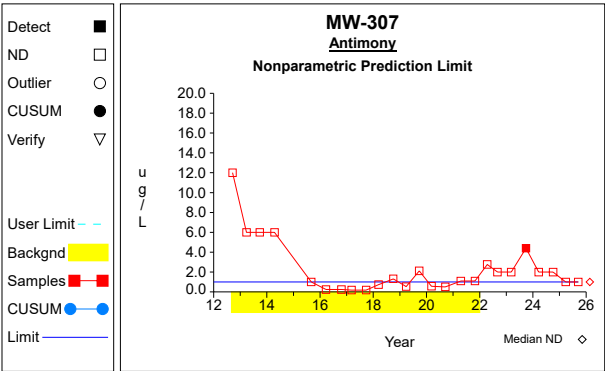


Graph 59

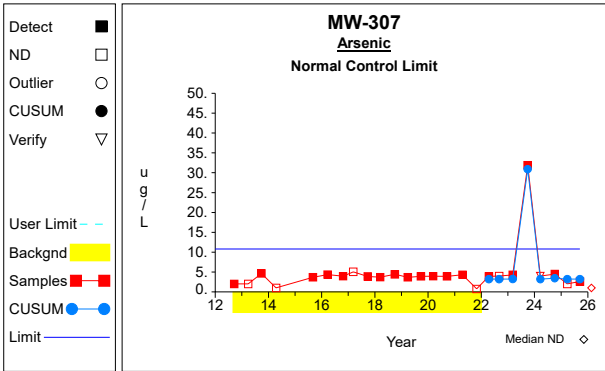


Graph 60

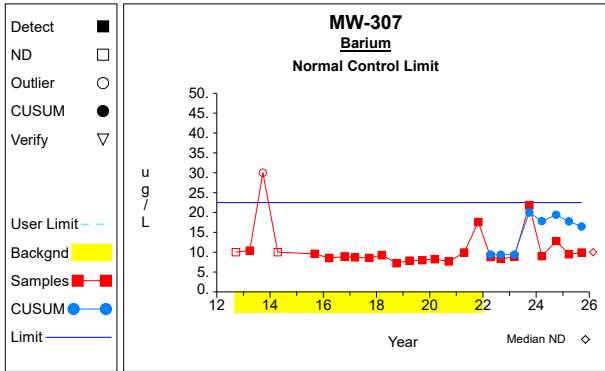
Intra-Well Control Charts / Prediction Limits



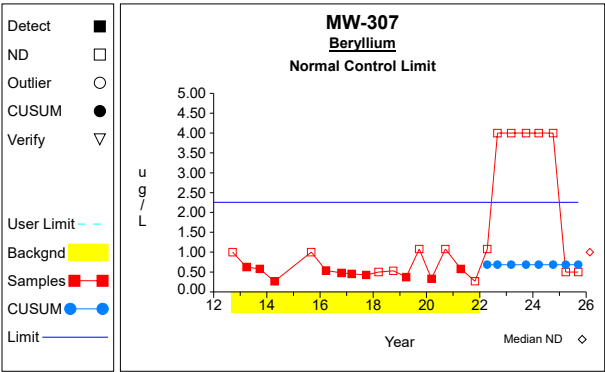
Graph 61



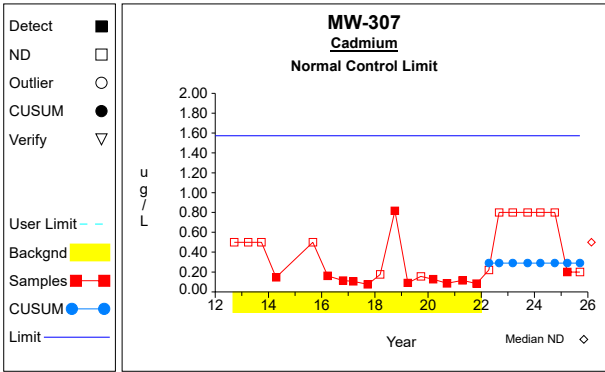
Graph 62



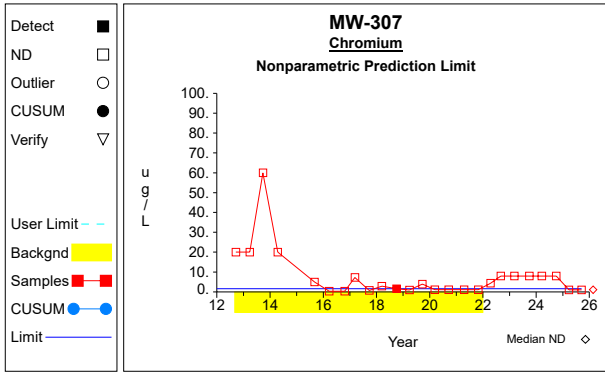
Graph 63



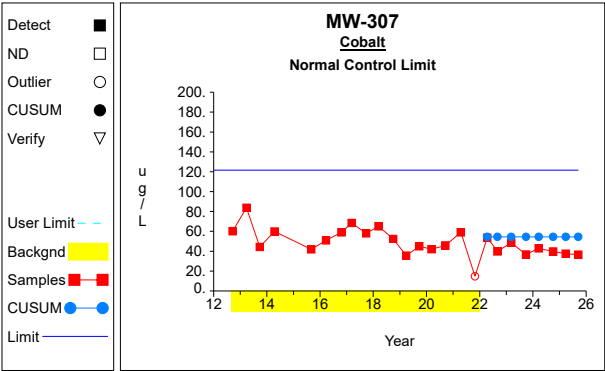
Graph 64



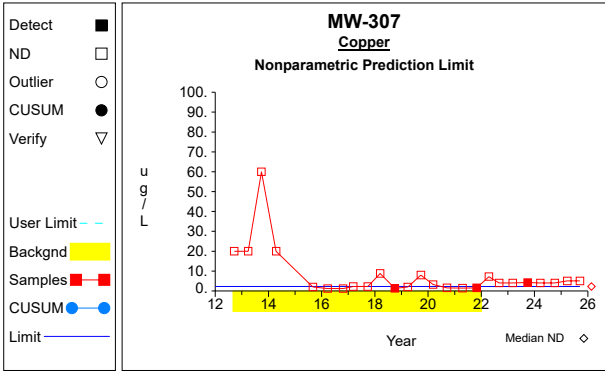
Graph 65



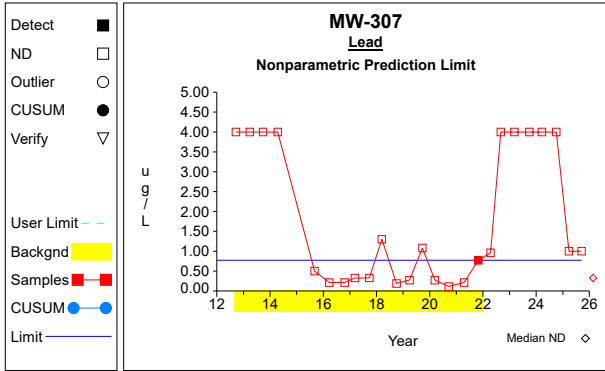
Graph 66



Graph 67

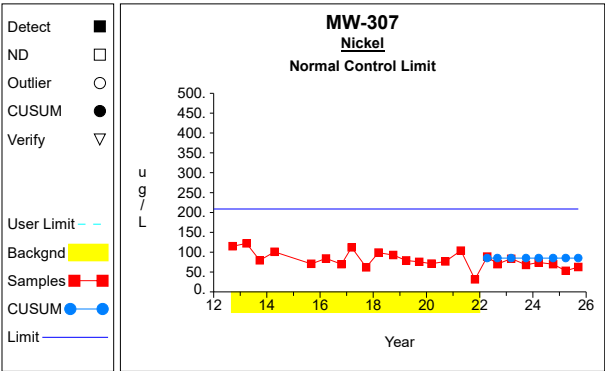


Graph 68

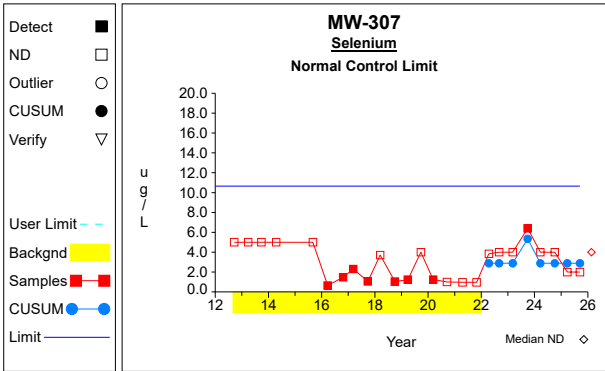


Graph 69

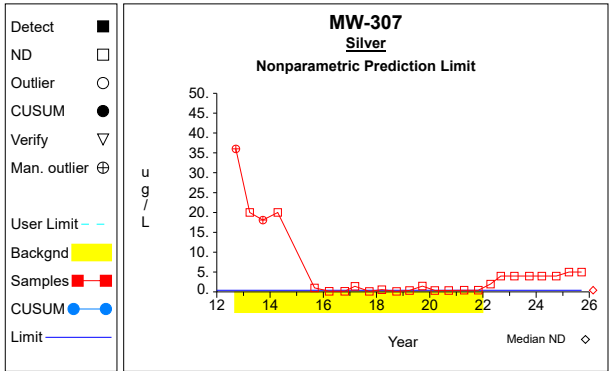
Intra-Well Control Charts / Prediction Limits



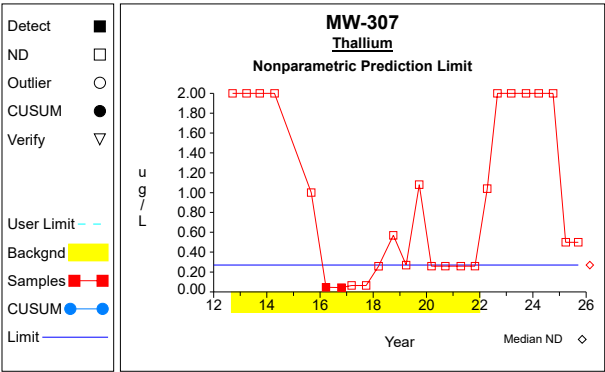
Graph 70



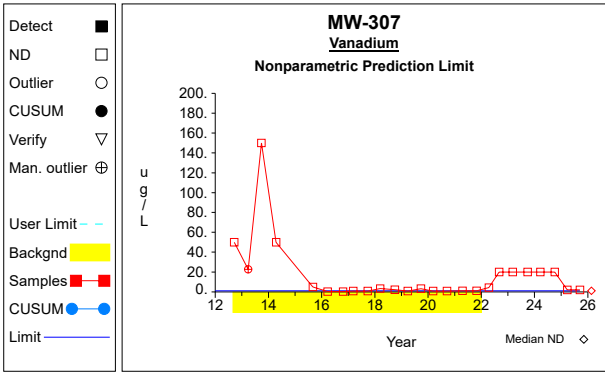
Graph 71



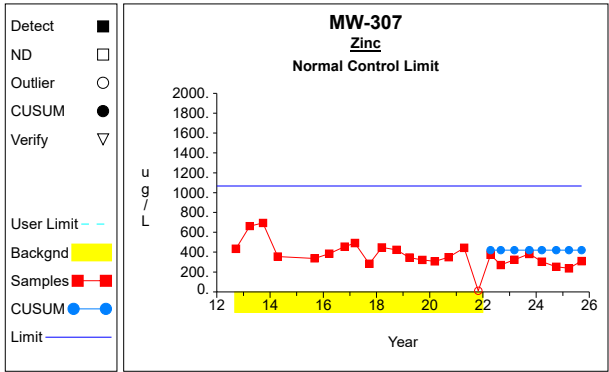
Graph 72



Graph 73

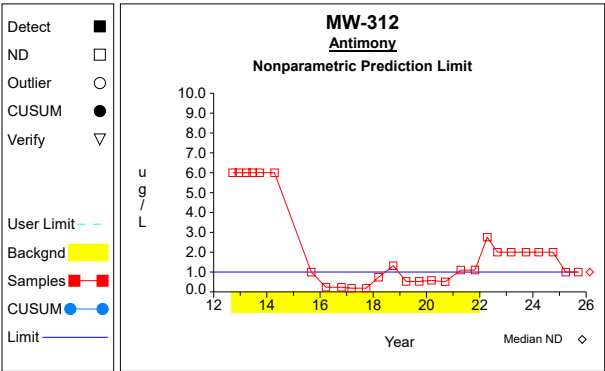


Graph 74

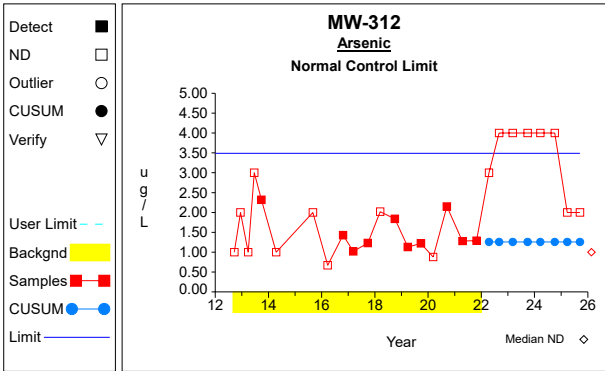


Graph 75

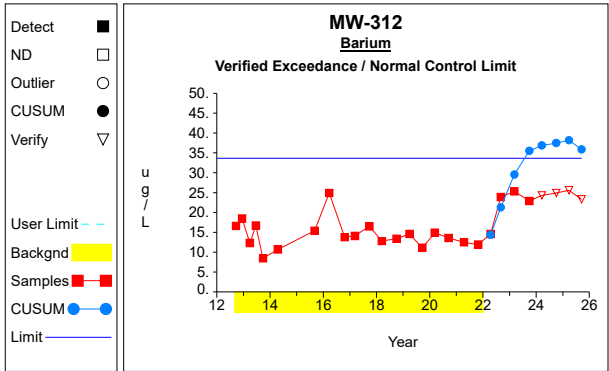
Intra-Well Control Charts / Prediction Limits



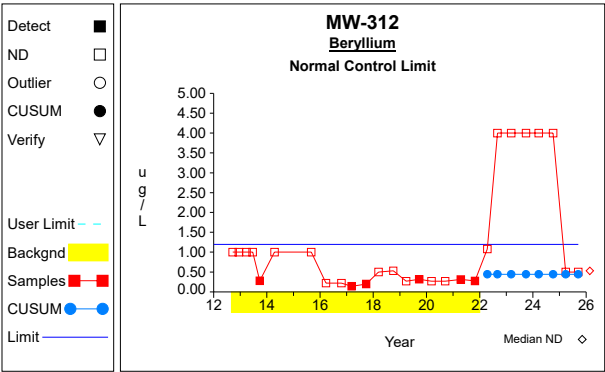
Graph 76



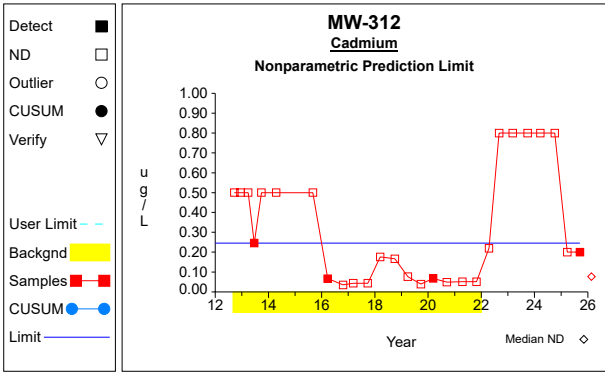
Graph 77



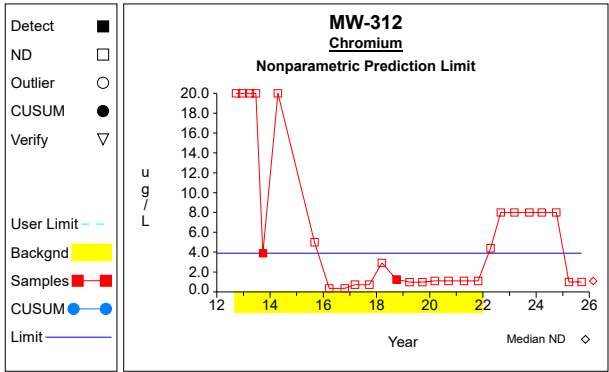
Graph 78



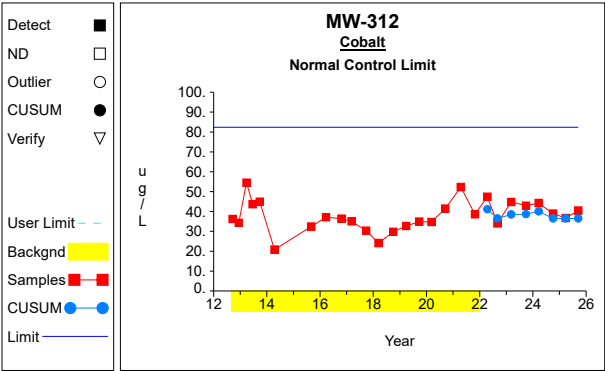
Graph 79



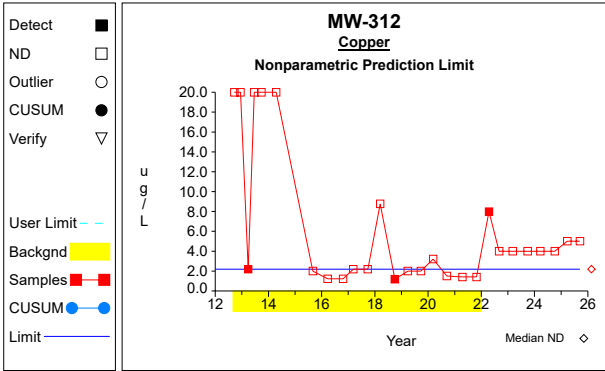
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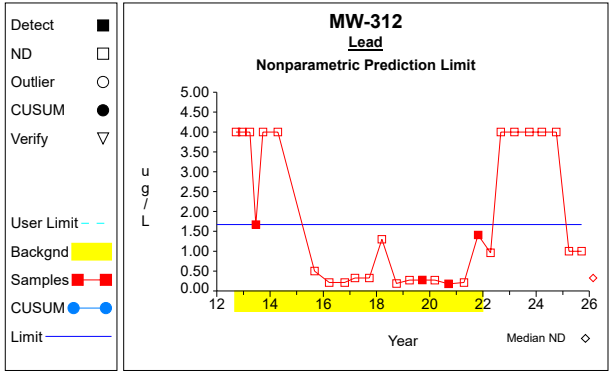
Graph 81



Graph 82

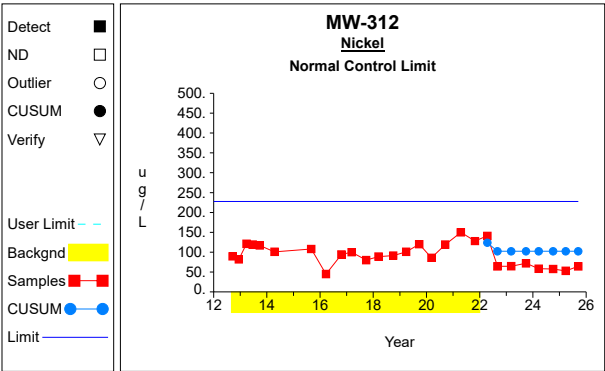


Graph 83

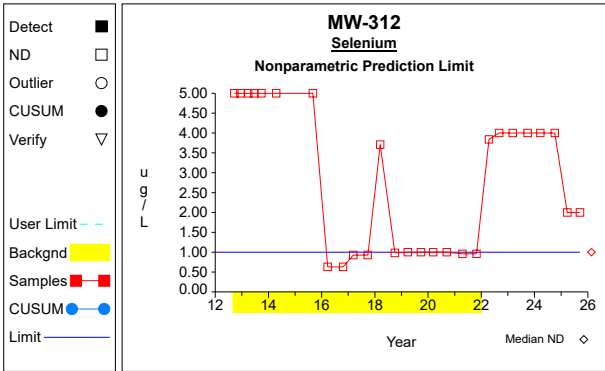


Graph 84

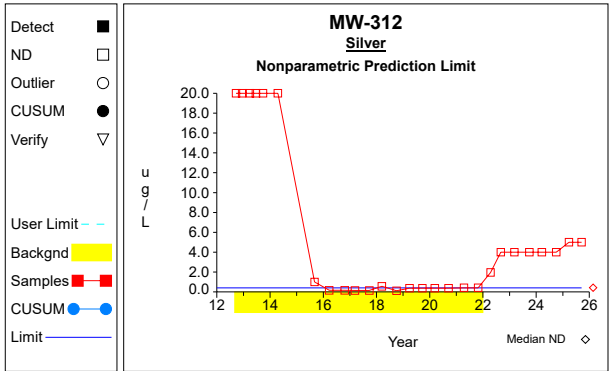
Intra-Well Control Charts / Prediction Limits



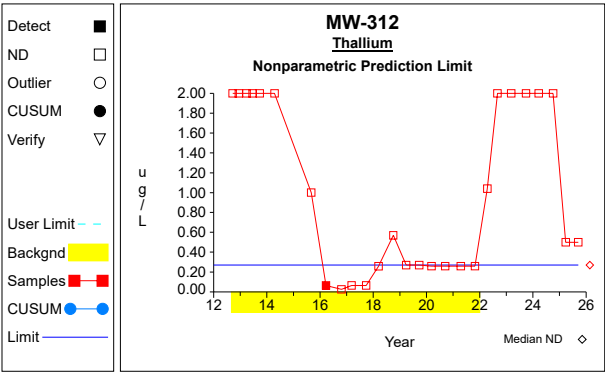
Graph 85



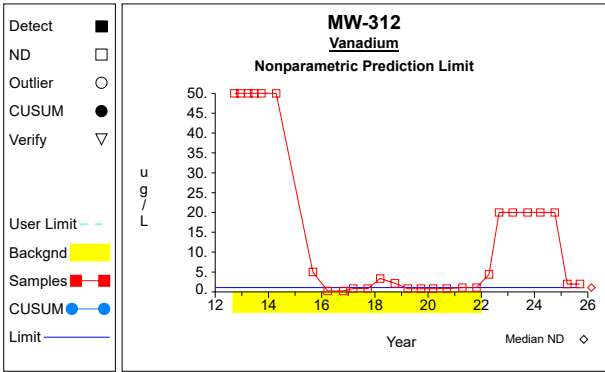
Graph 86



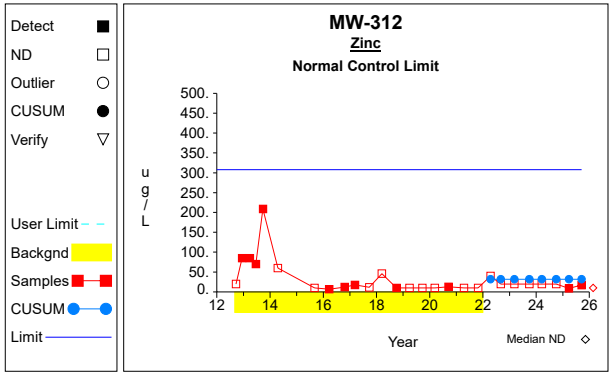
Graph 87



Graph 88

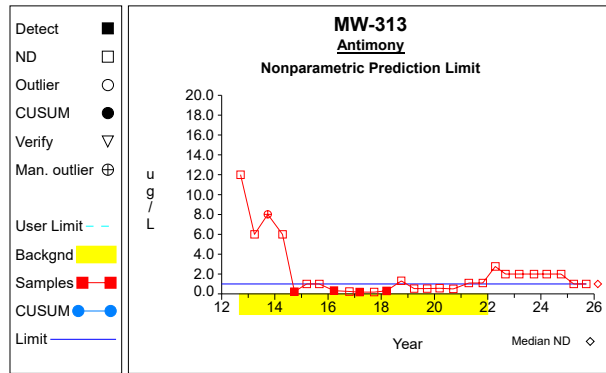


Graph 89

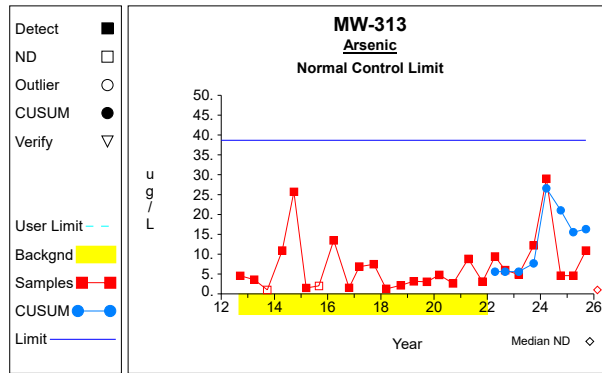


Graph 90

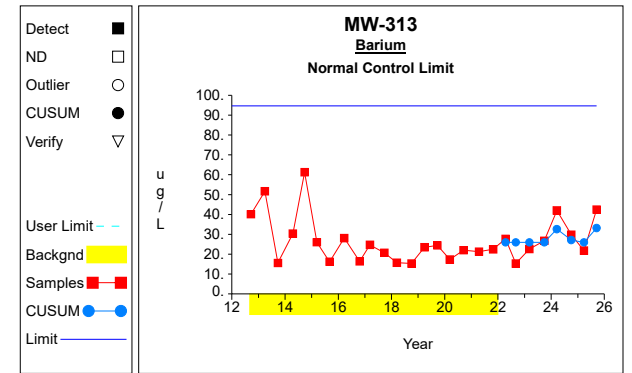
Intra-Well Control Charts / Prediction Limits



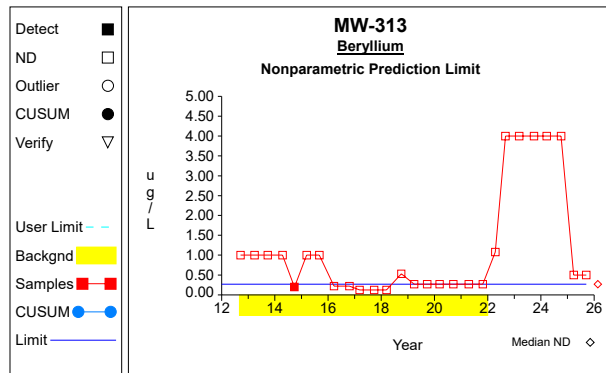
Graph 91



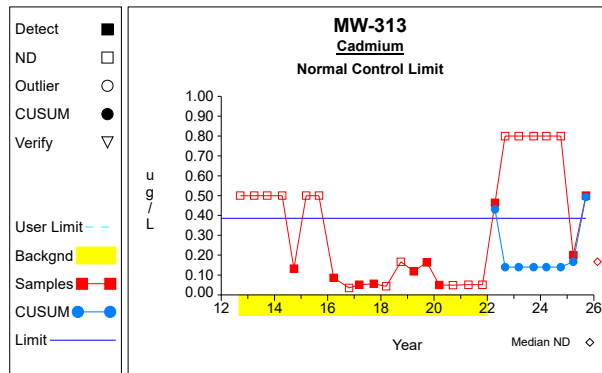
Graph 92



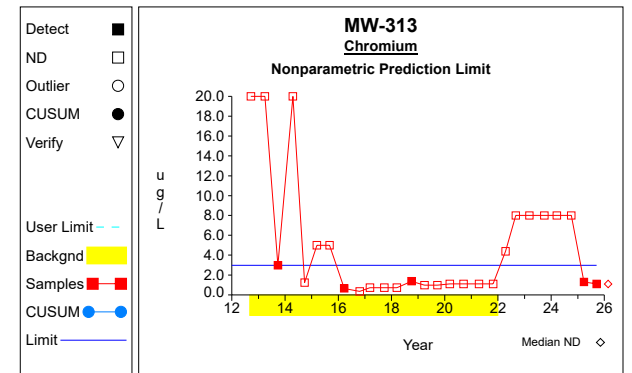
Graph 93



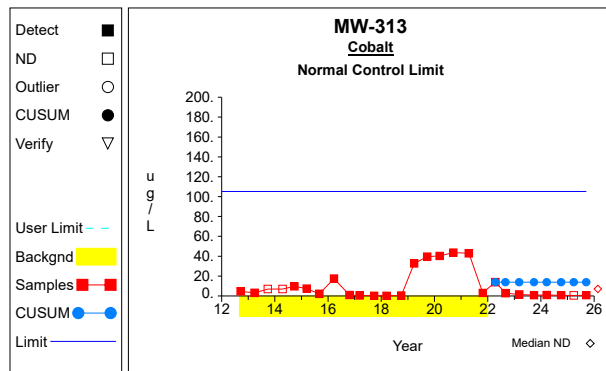
Graph 94



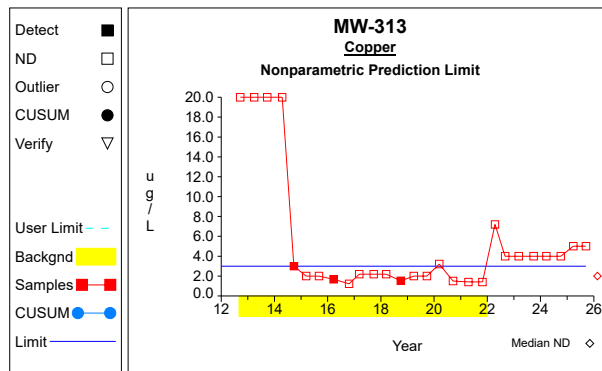
Graph 95



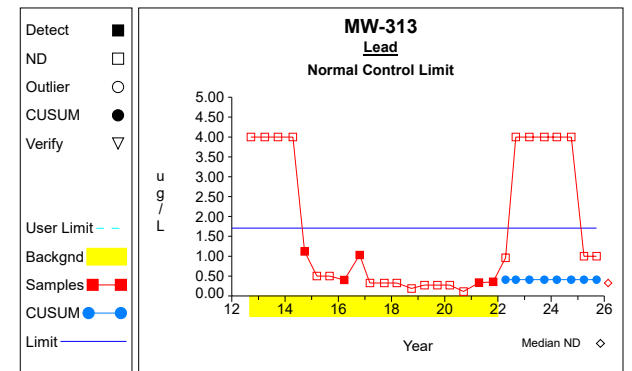
Graph 96



Graph 97

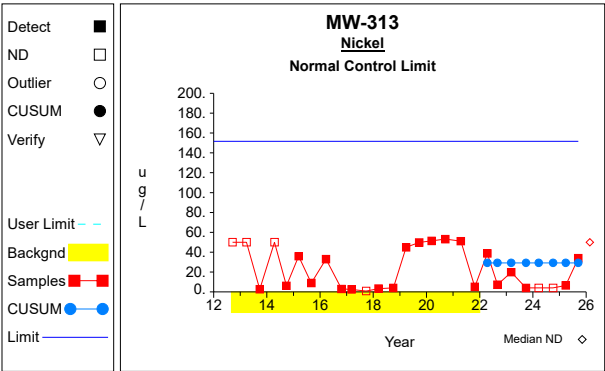


Graph 98

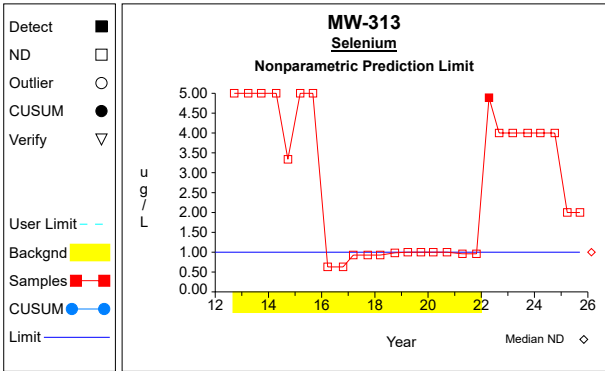


Graph 99

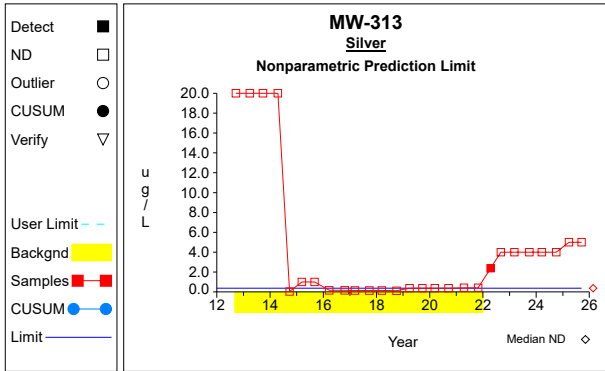
Intra-Well Control Charts / Prediction Limits



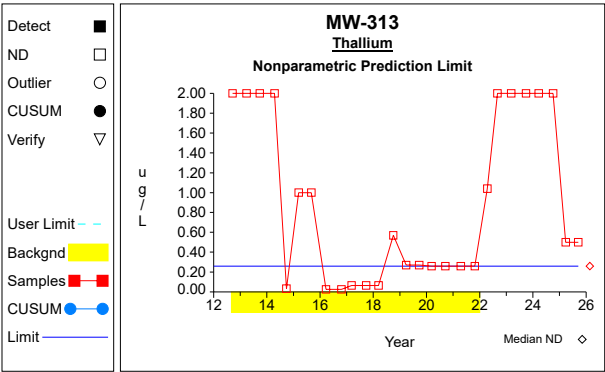
Graph 100



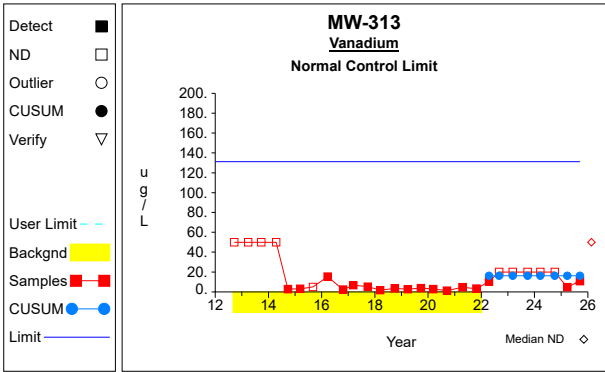
Graph 101



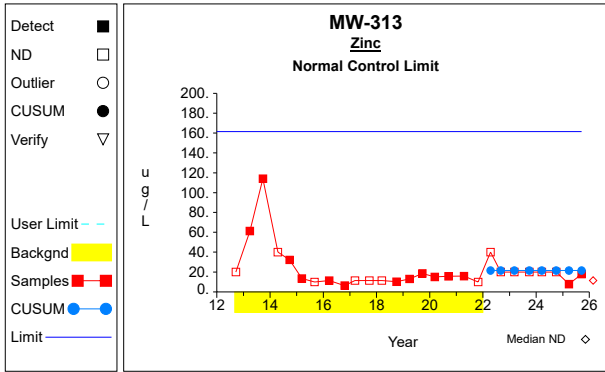
Graph 102



Graph 103

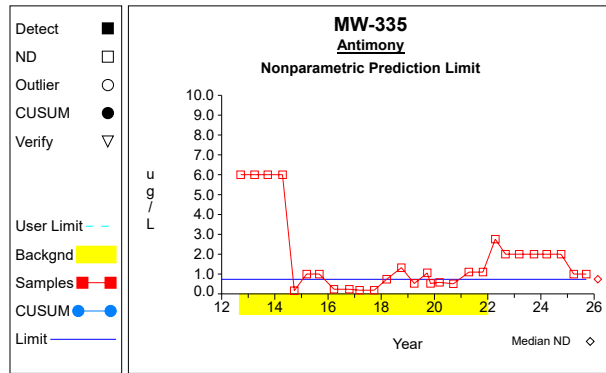


Graph 104

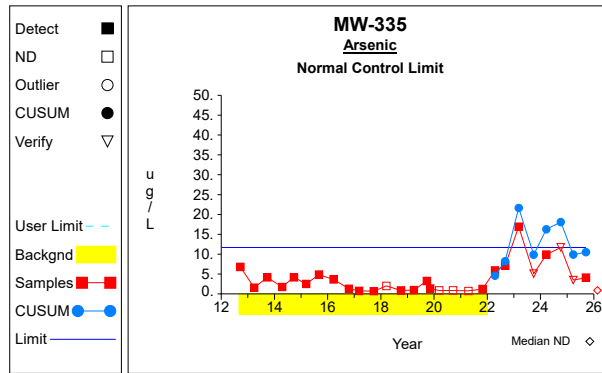


Graph 105

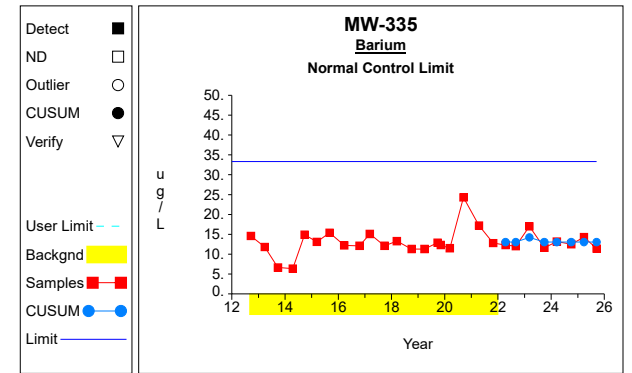
Intra-Well Control Charts / Prediction Limits



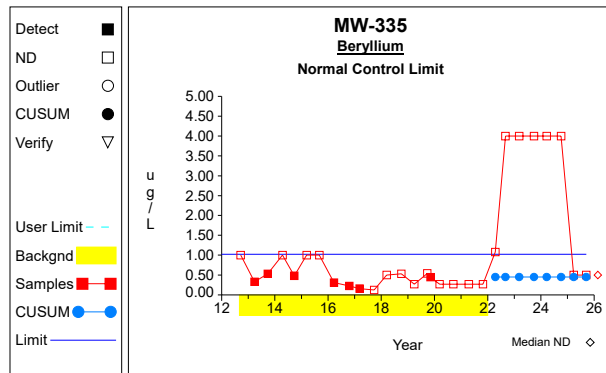
Graph 106



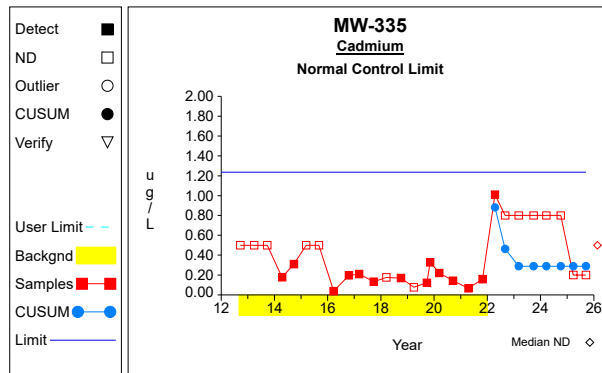
Graph 107



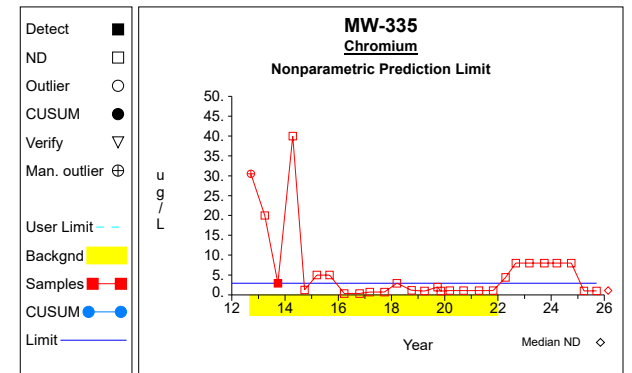
Graph 108



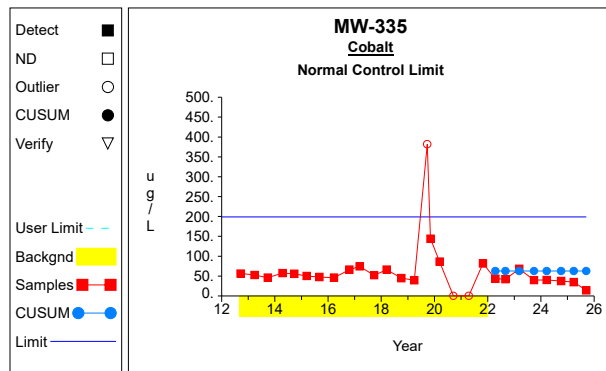
Graph 109



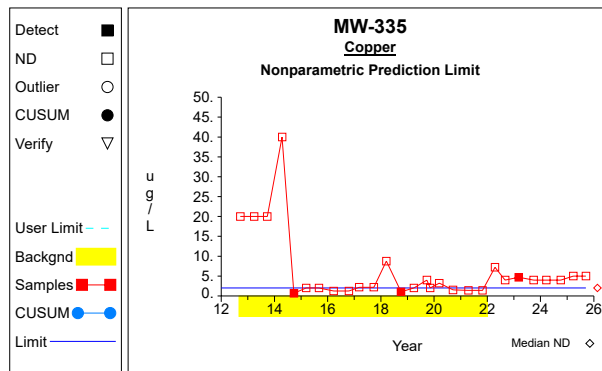
Graph 110



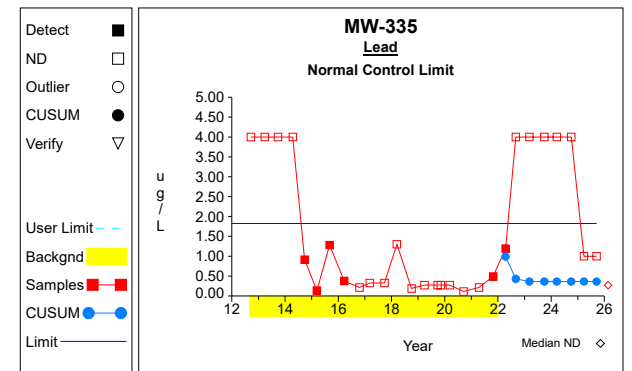
Graph 111



Graph 112

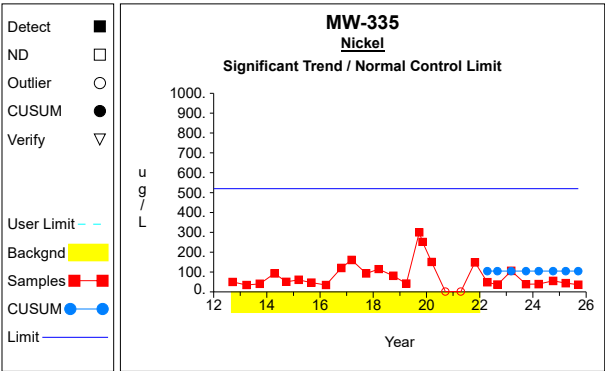


Graph 113

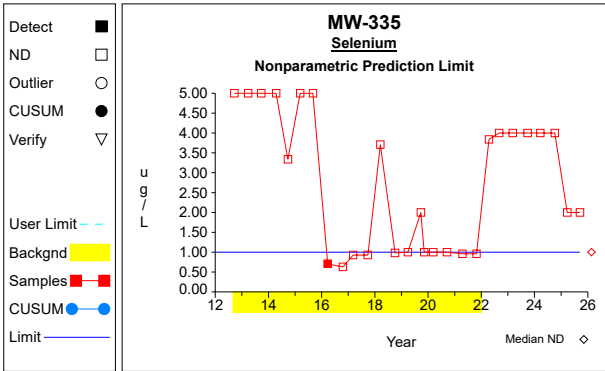


Graph 114

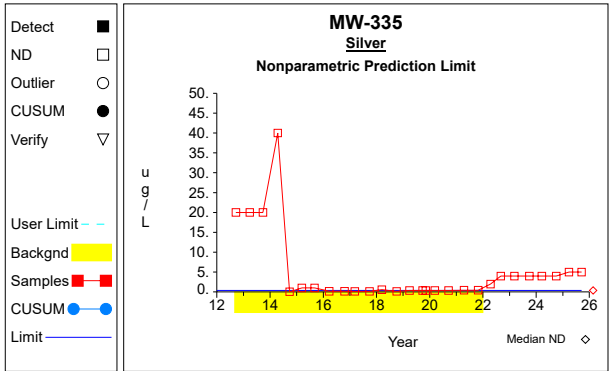
Intra-Well Control Charts / Prediction Limits



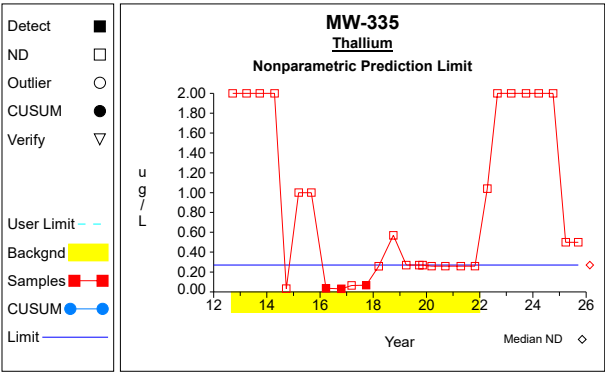
Graph 115



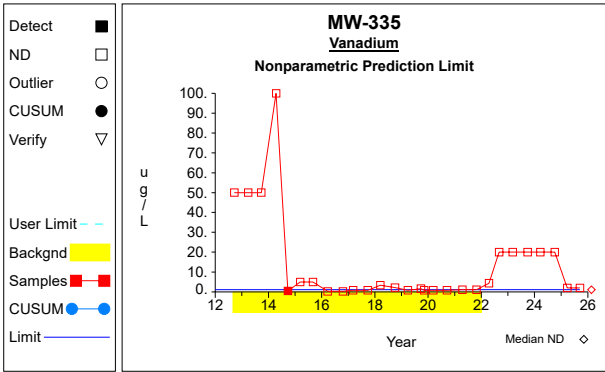
Graph 116



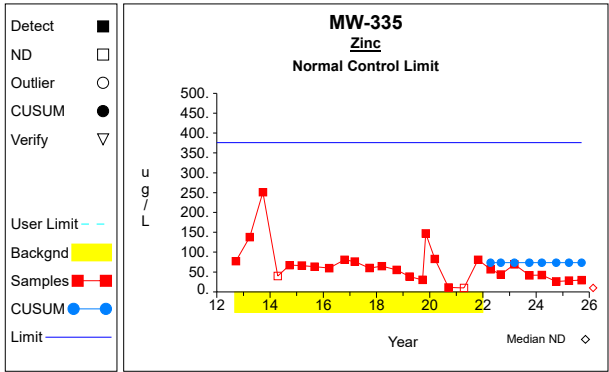
Graph 117



Graph 118

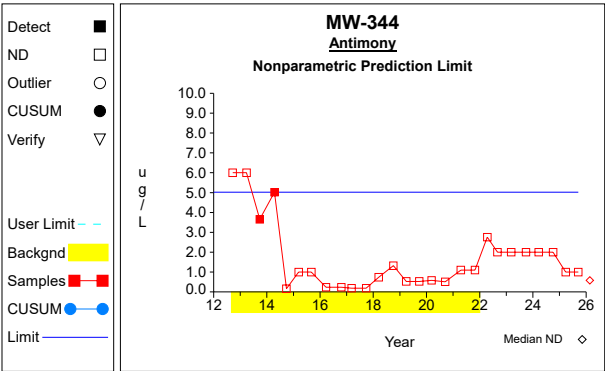


Graph 119

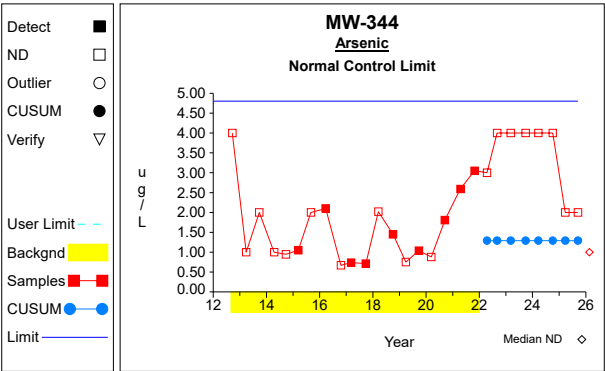


Graph 120

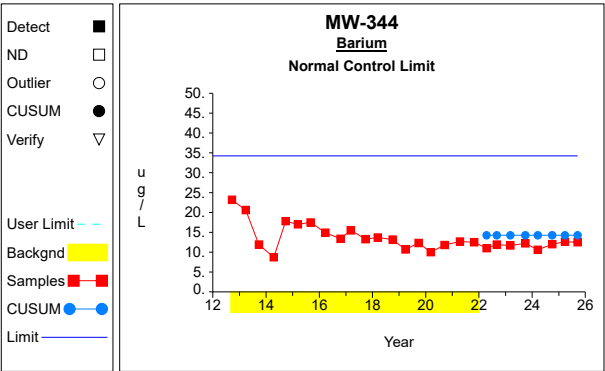
Intra-Well Control Charts / Prediction Limits



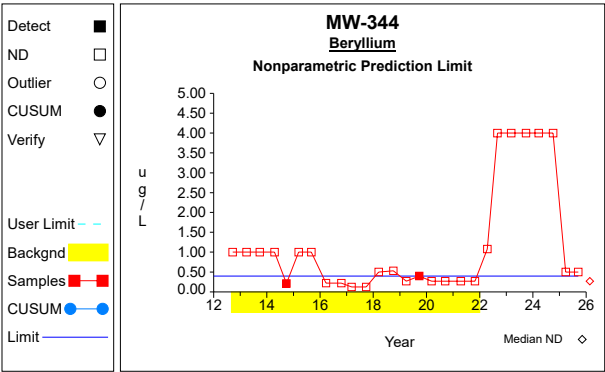
Graph 121



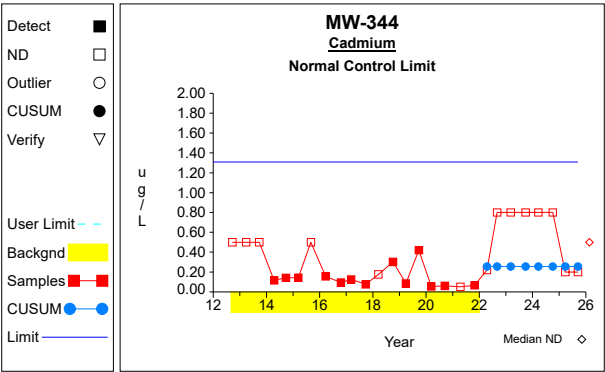
Graph 122



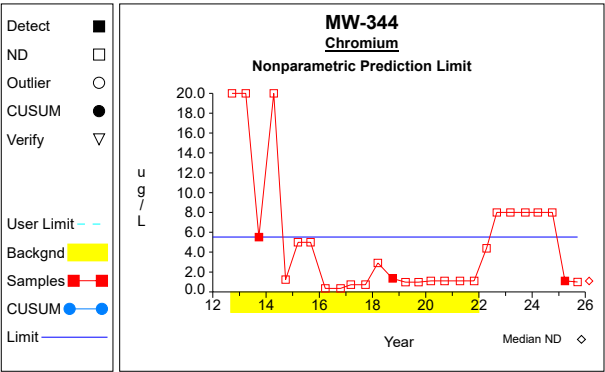
Graph 123



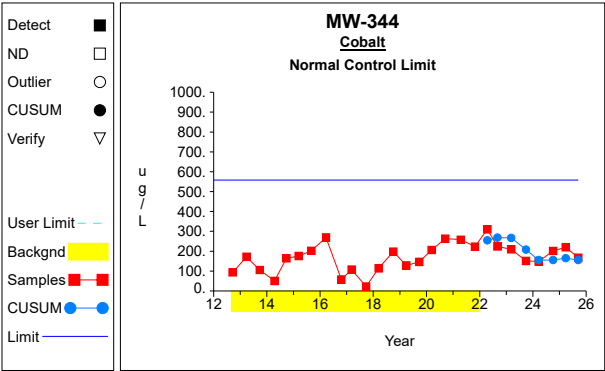
Graph 124



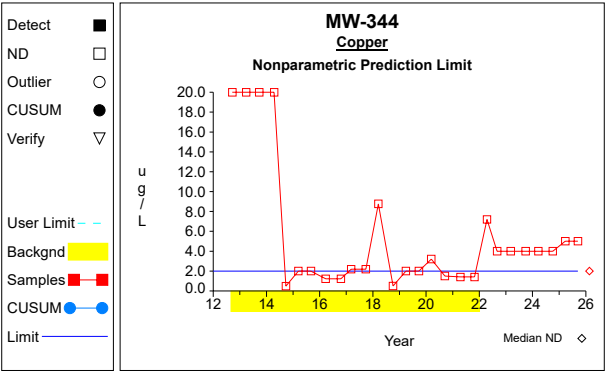
Graph 125



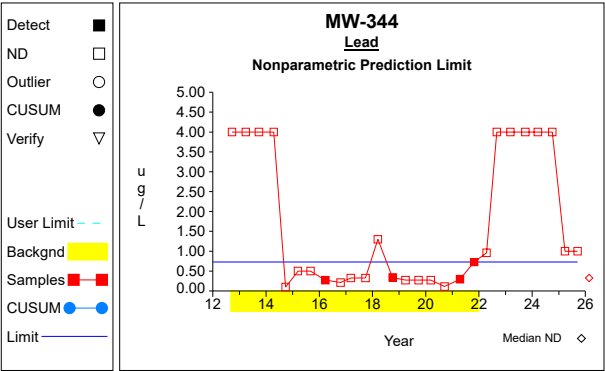
Graph 126



Graph 127

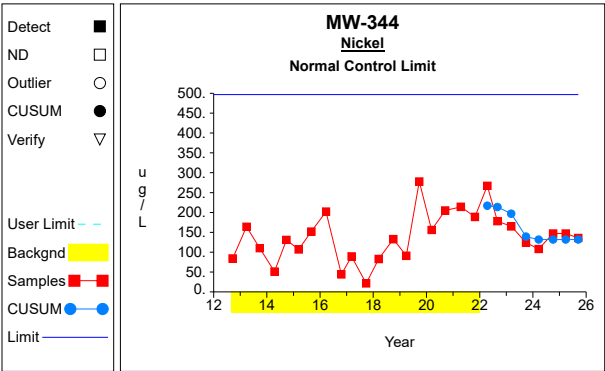


Graph 128

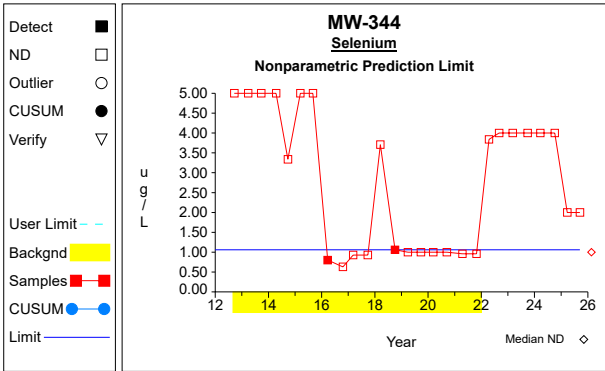


Graph 129

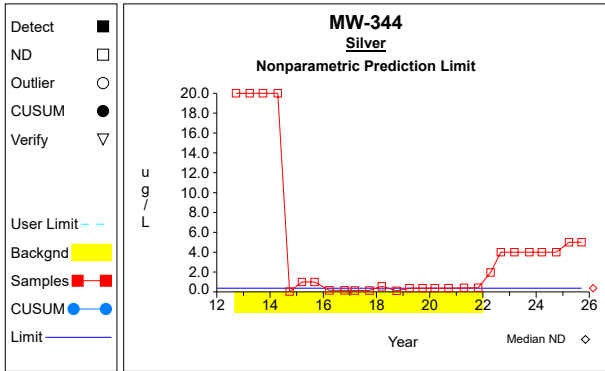
Intra-Well Control Charts / Prediction Limits



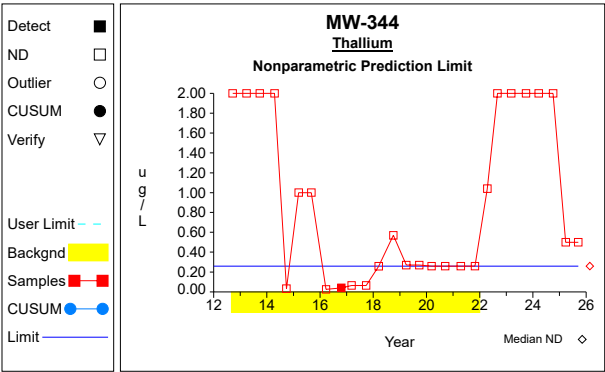
Graph 130



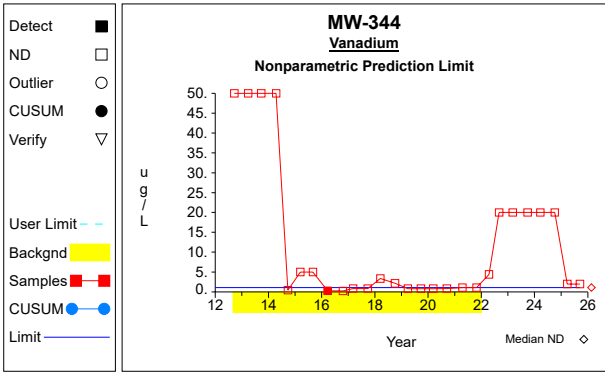
Graph 131



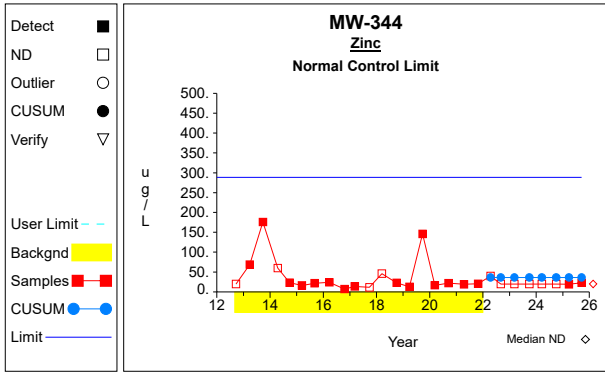
Graph 132



Graph 133

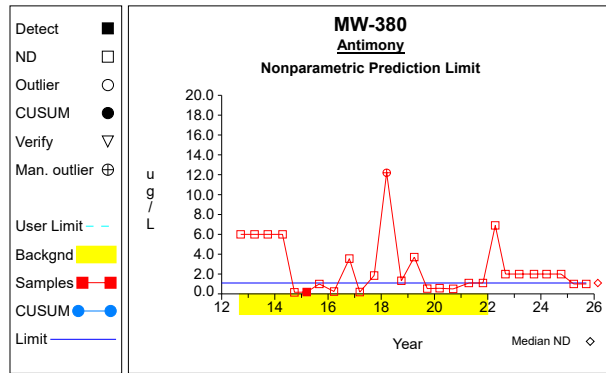


Graph 134

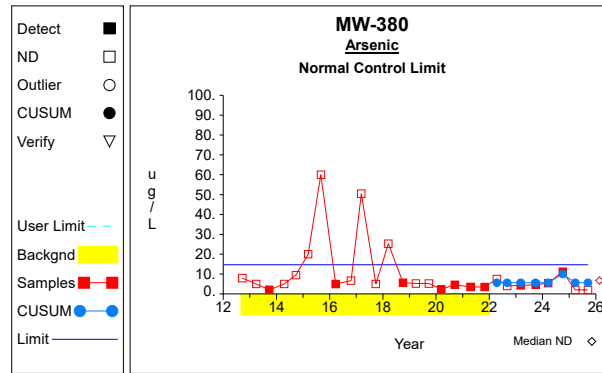


Graph 135

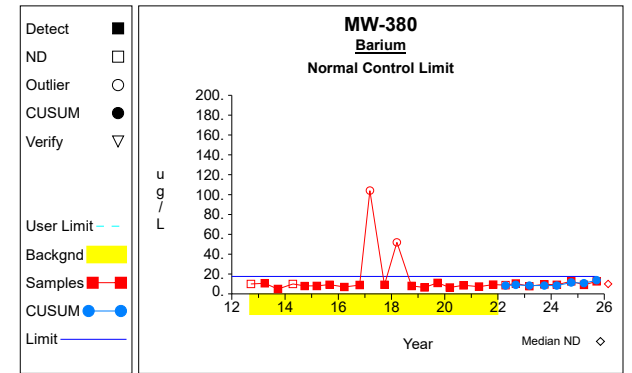
Intra-Well Control Charts / Prediction Limits



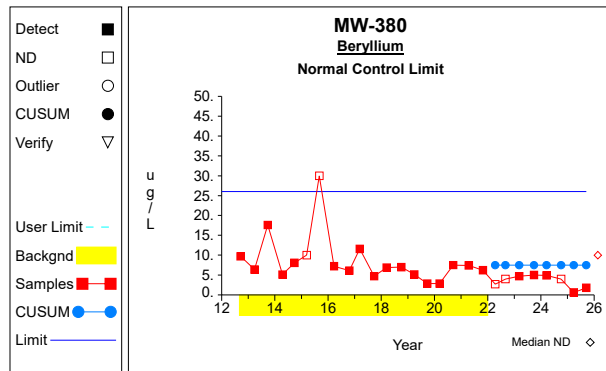
Graph 136



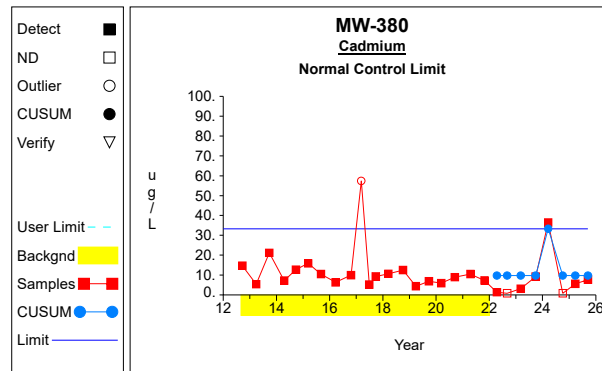
Graph 137



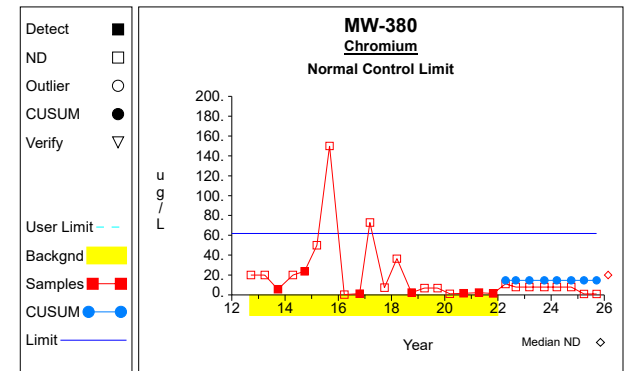
Graph 138



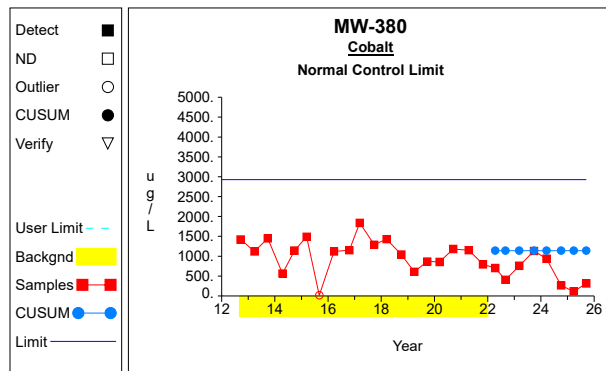
Graph 139



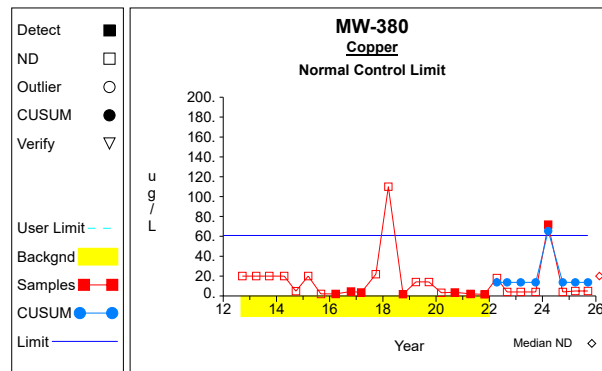
Graph 140



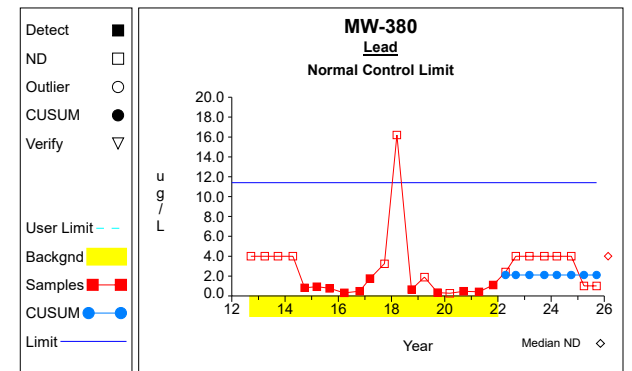
Graph 141



Graph 142

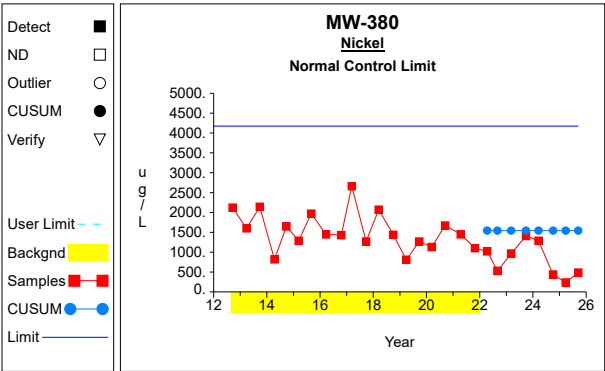


Graph 143

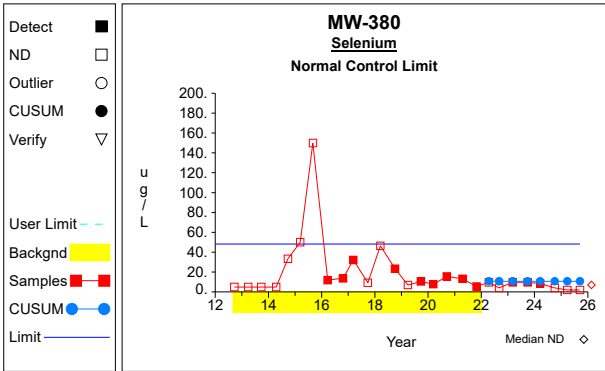


Graph 144

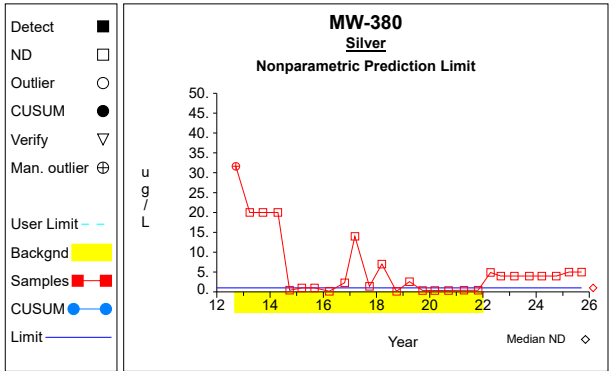
Intra-Well Control Charts / Prediction Limits



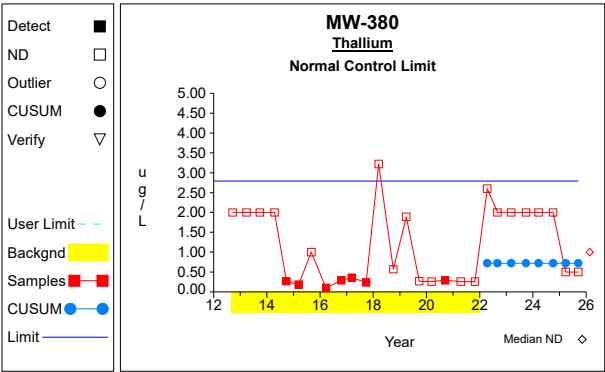
Graph 145



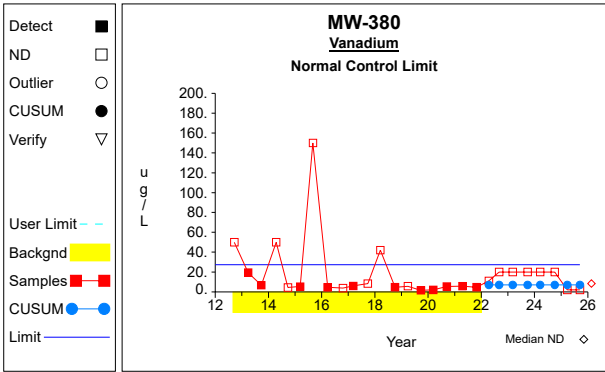
Graph 146



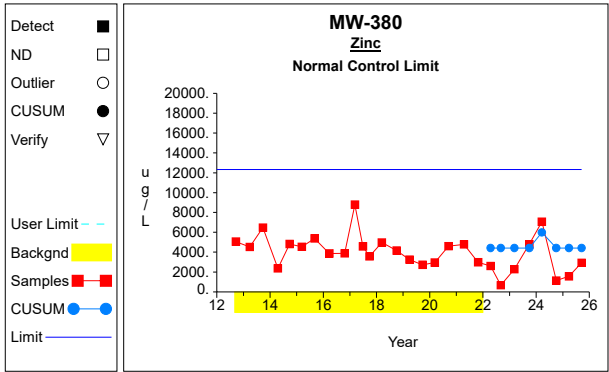
Graph 147



Graph 148

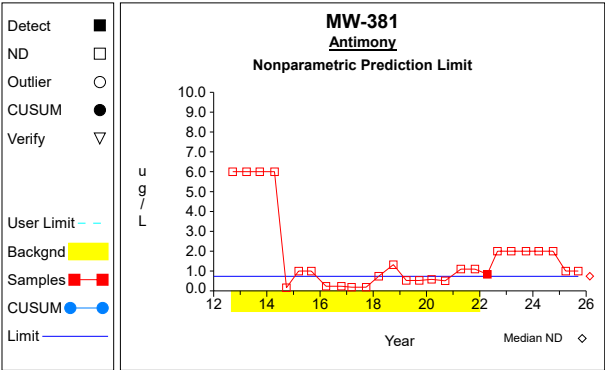


Graph 149

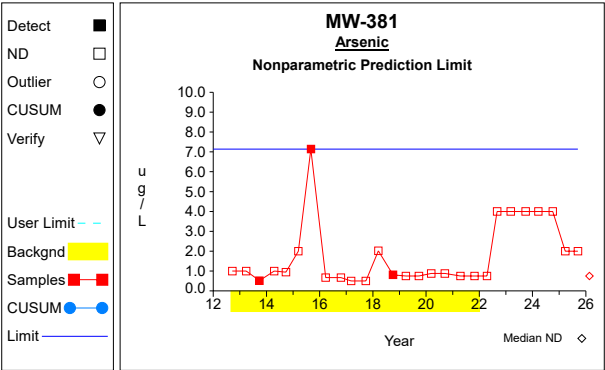


Graph 150

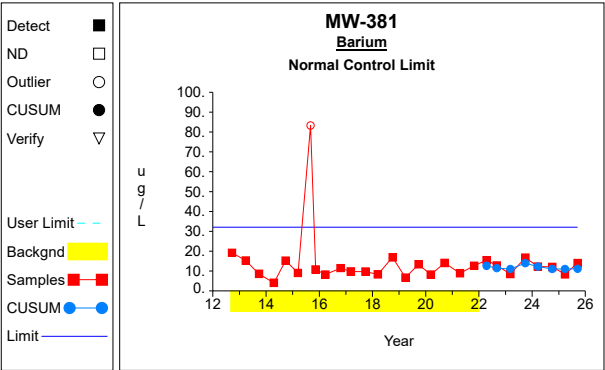
Intra-Well Control Charts / Prediction Limits



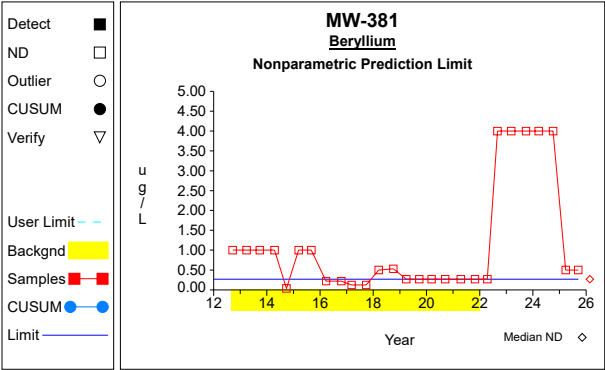
Graph 151



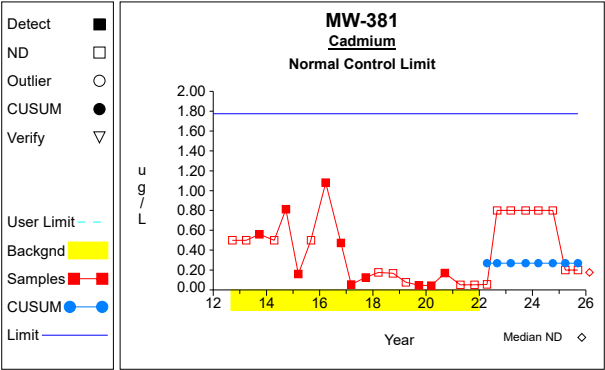
Graph 152



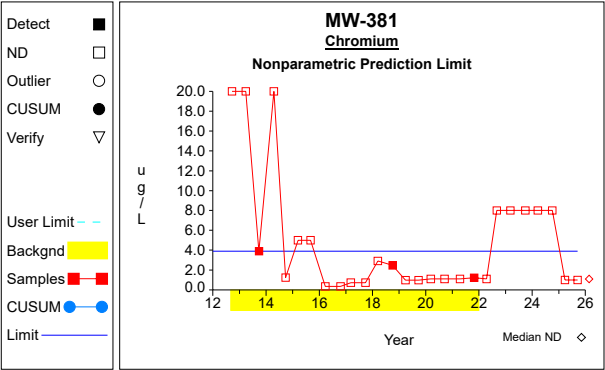
Graph 153



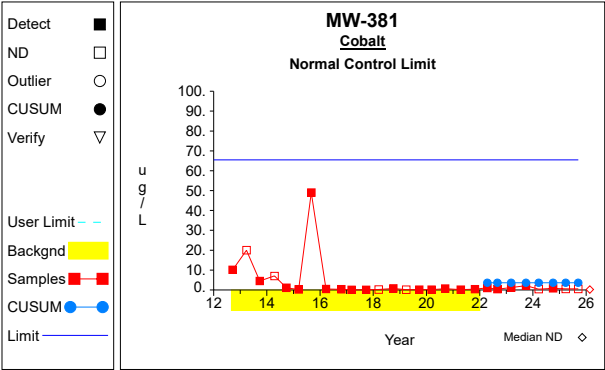
Graph 154



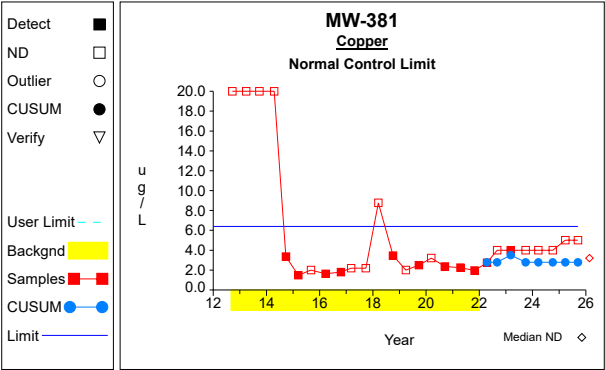
Graph 155



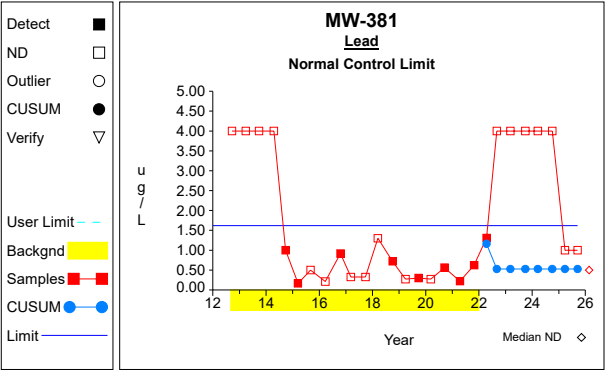
Graph 156



Graph 157

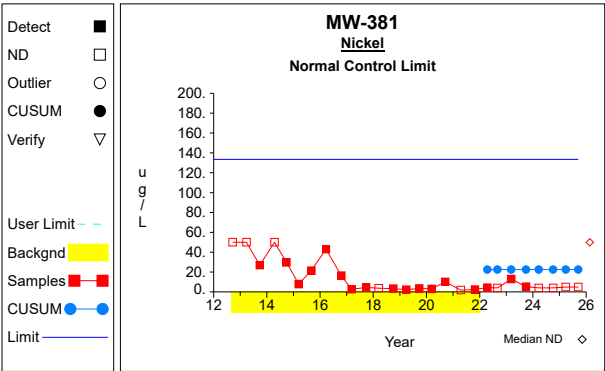


Graph 158

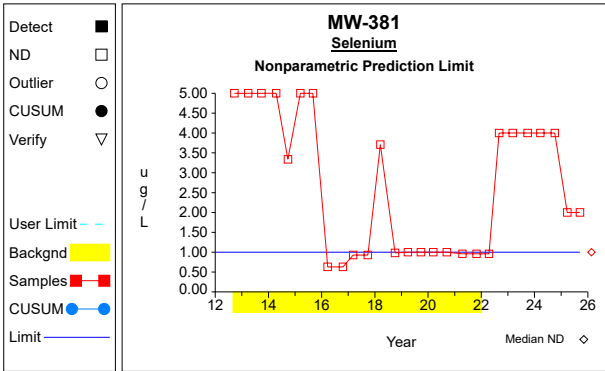


Graph 159

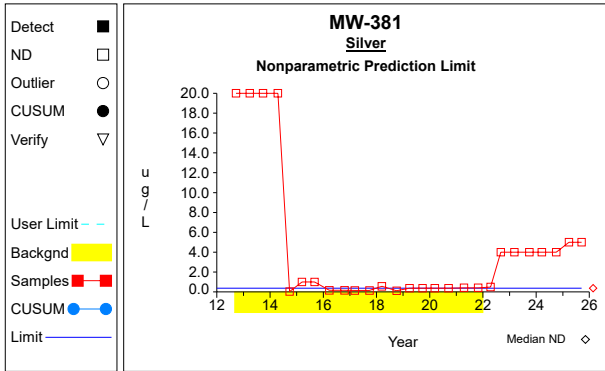
Intra-Well Control Charts / Prediction Limits



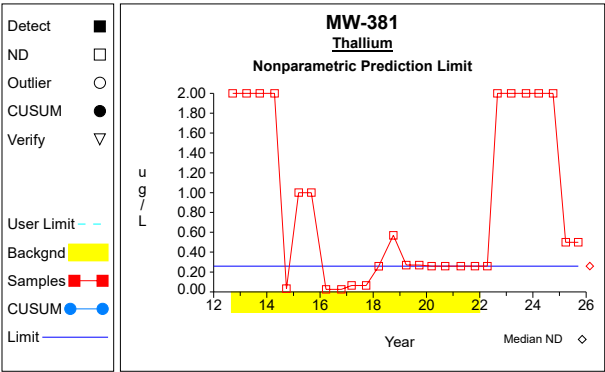
Graph 160



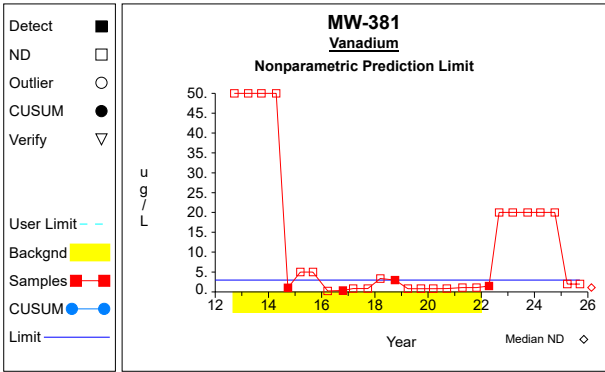
Graph 161



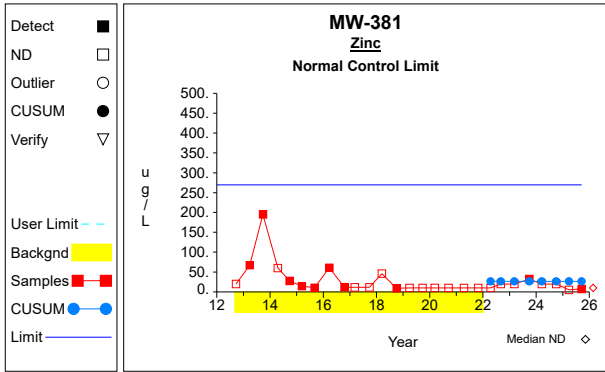
Graph 162



Graph 163

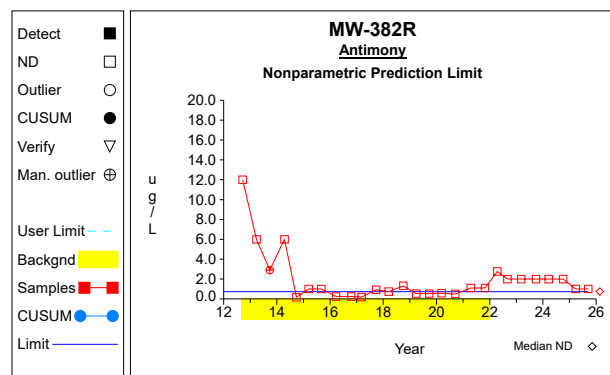


Graph 164

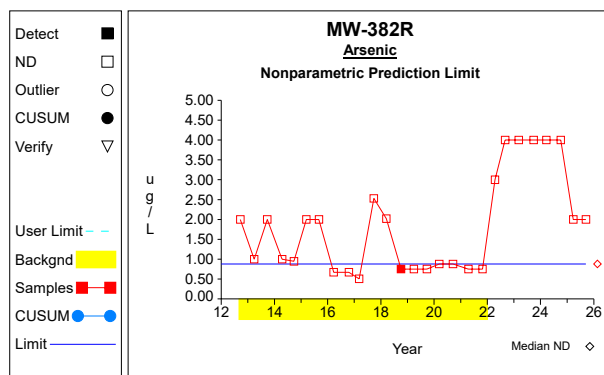


Graph 165

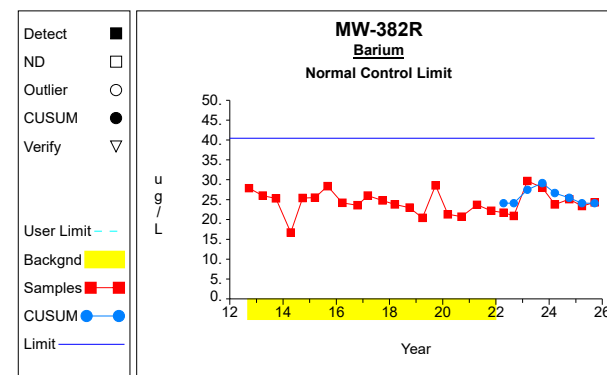
Intra-Well Control Charts / Prediction Limits



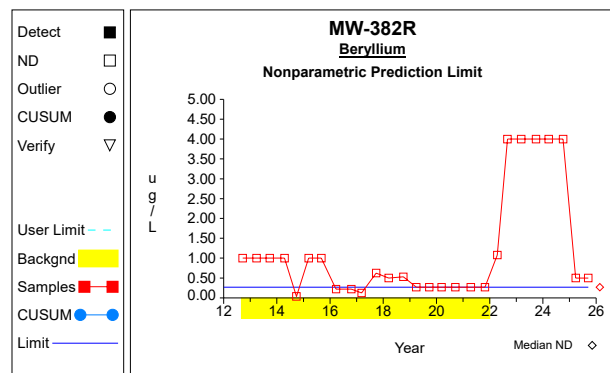
Graph 166



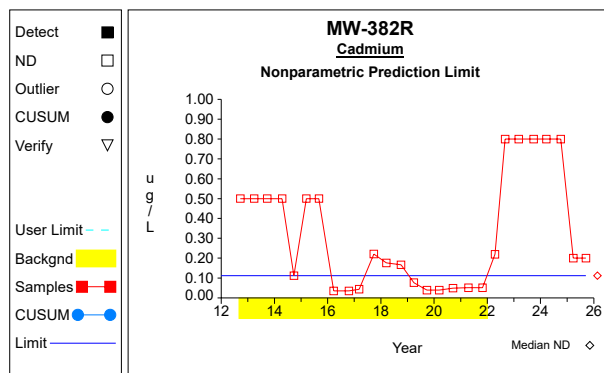
Graph 167



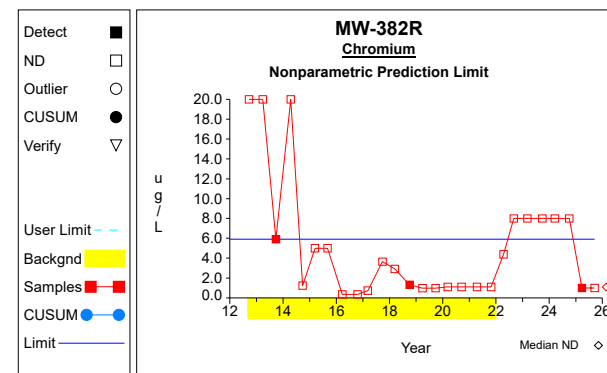
Graph 168



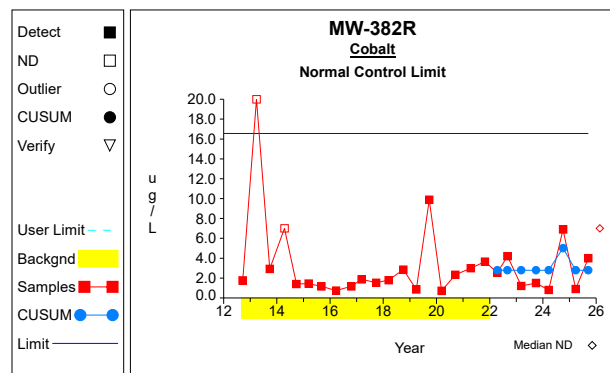
Graph 169



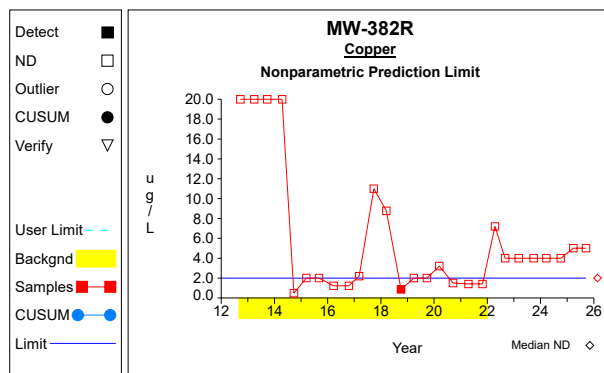
Graph 170



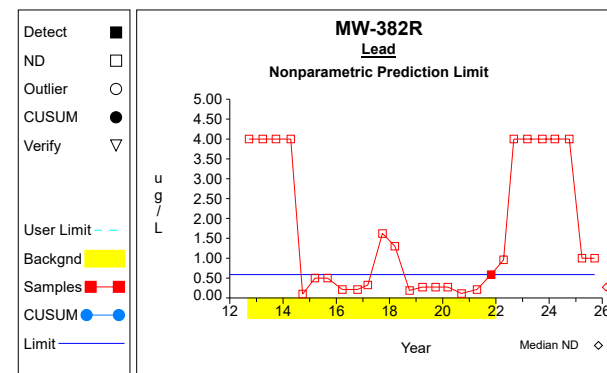
Graph 171



Graph 172

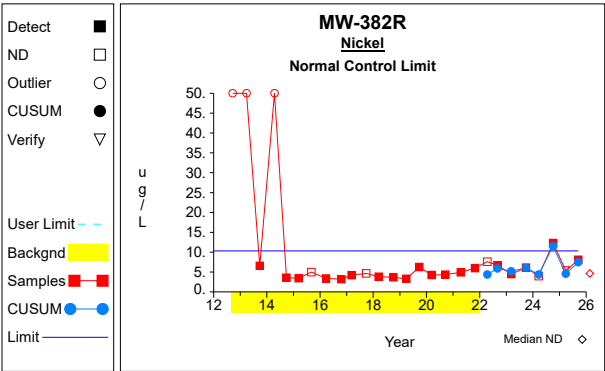


Graph 173

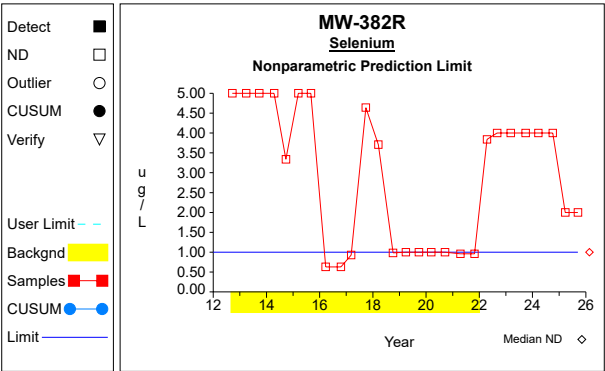


Graph 174

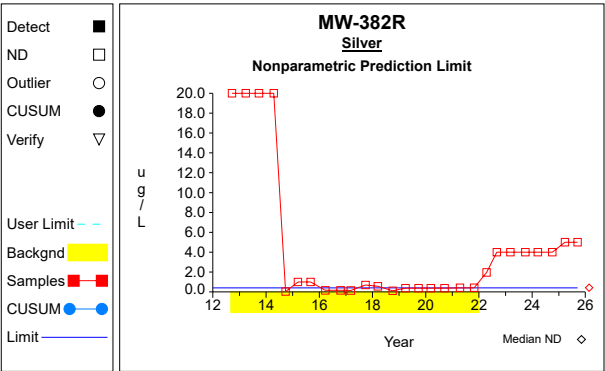
Intra-Well Control Charts / Prediction Limits



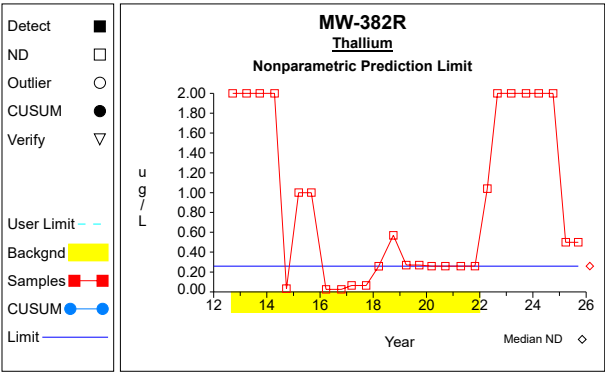
Graph 175



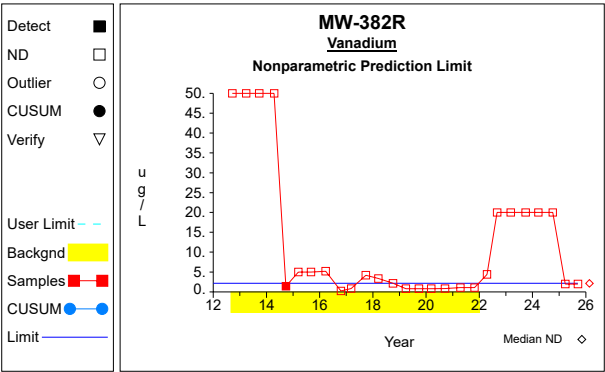
Graph 176



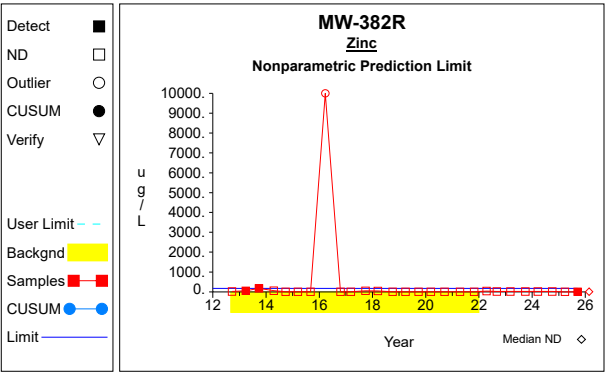
Graph 177



Graph 178

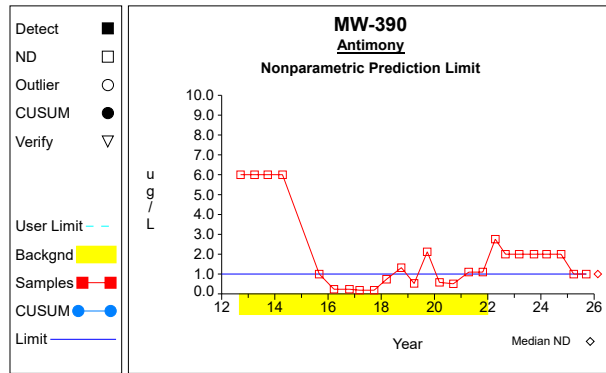


Graph 179

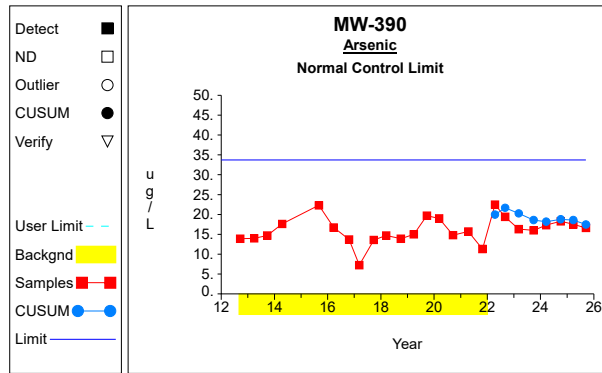


Graph 180

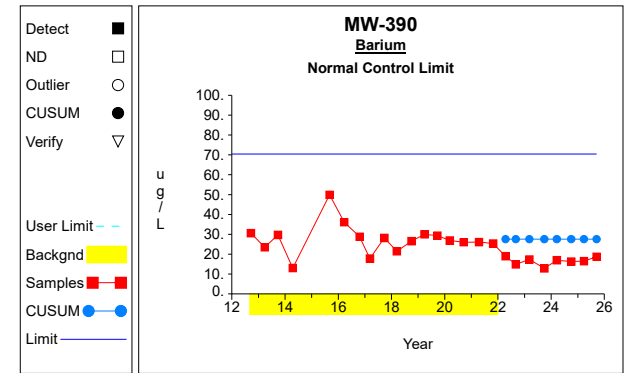
Intra-Well Control Charts / Prediction Limits



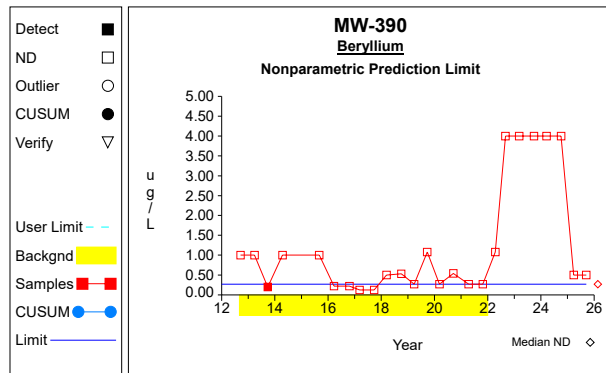
Graph 181



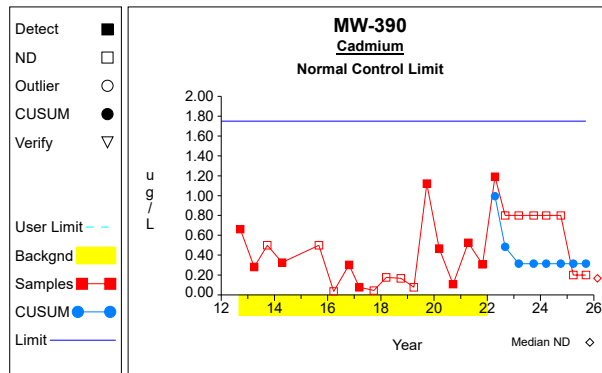
Graph 182



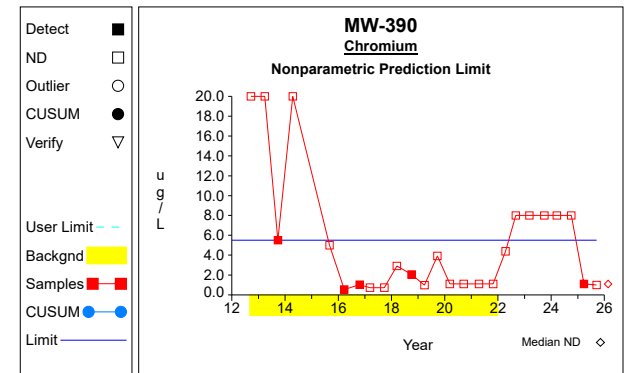
Graph 183



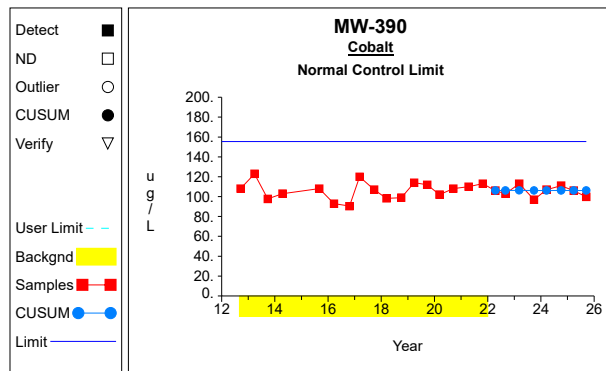
Graph 184



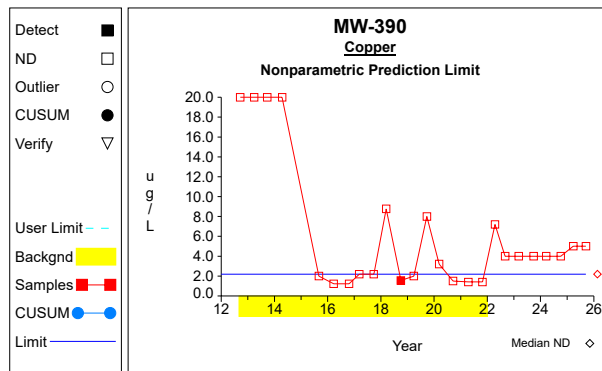
Graph 185



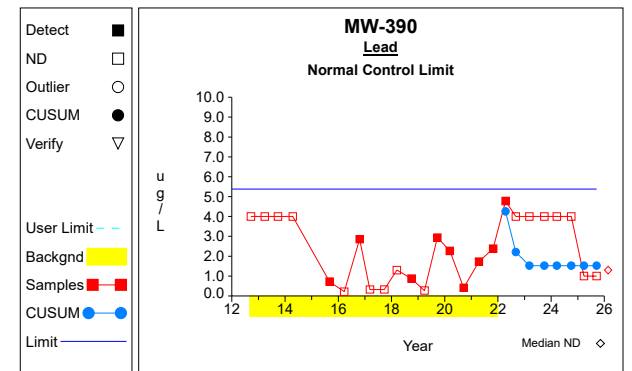
Graph 186



Graph 187

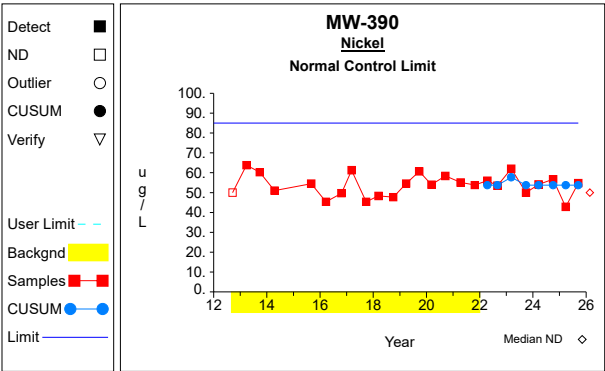


Graph 188

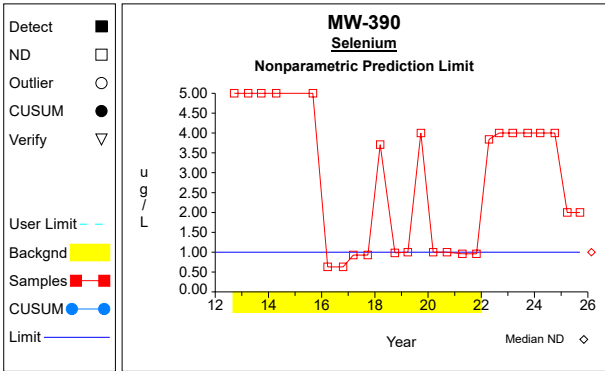


Graph 189

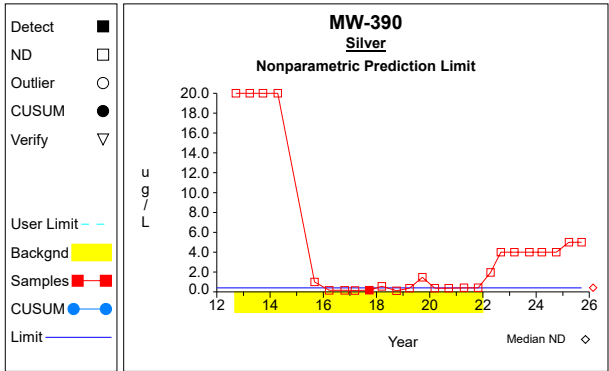
Intra-Well Control Charts / Prediction Limits



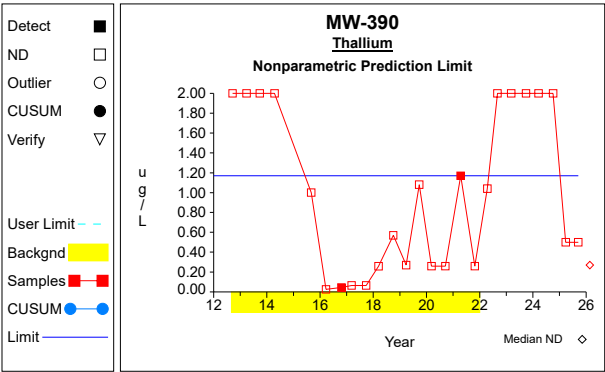
Graph 190



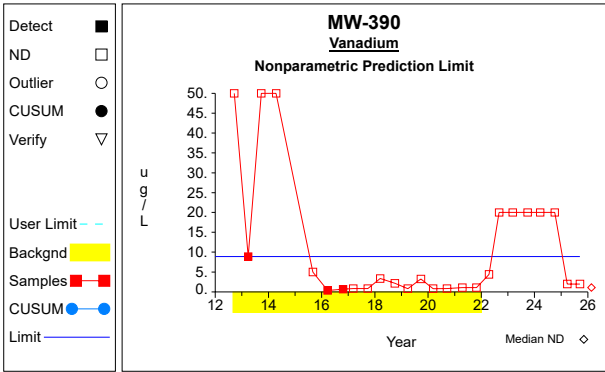
Graph 191



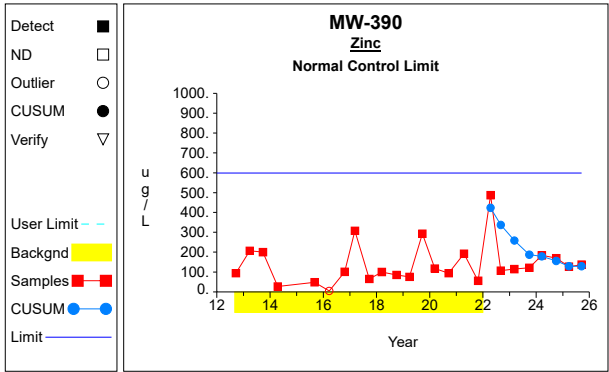
Graph 192



Graph 193

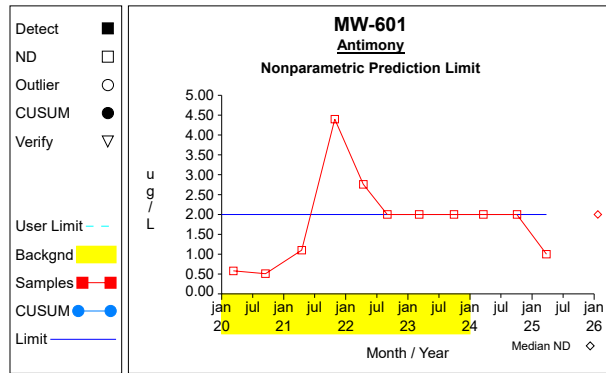


Graph 194

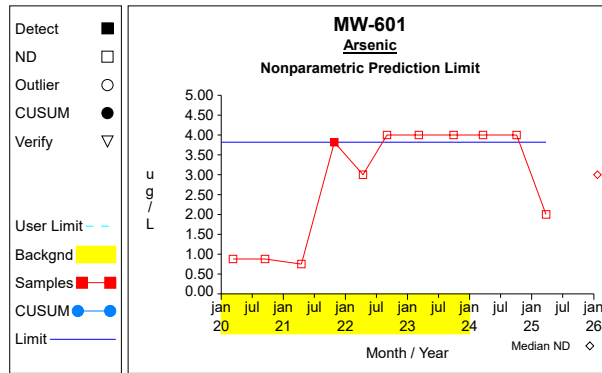


Graph 195

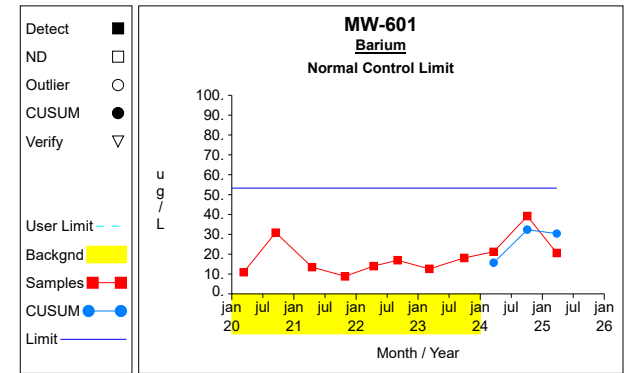
Intra-Well Control Charts / Prediction Limits



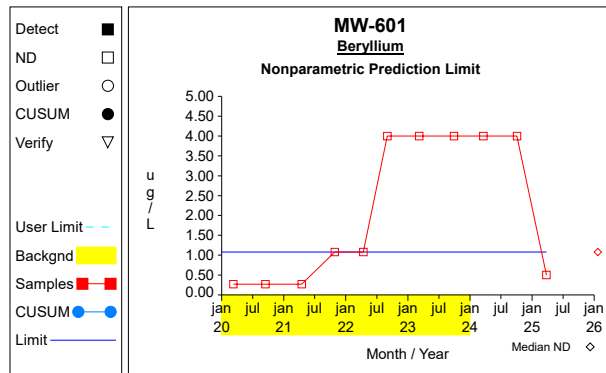
Graph 196



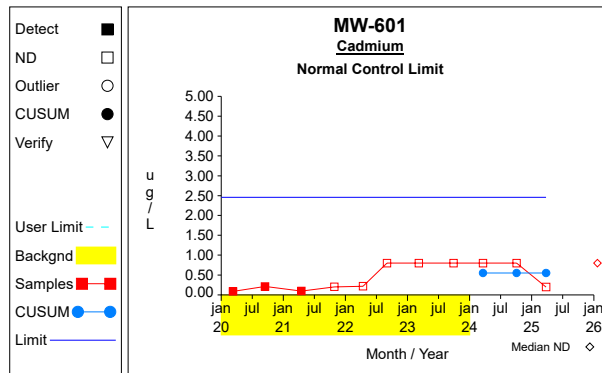
Graph 197



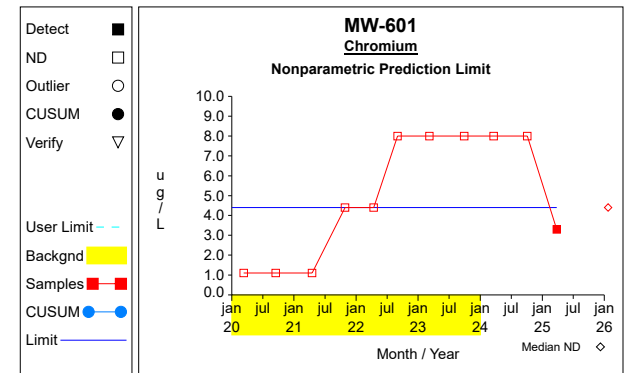
Graph 198



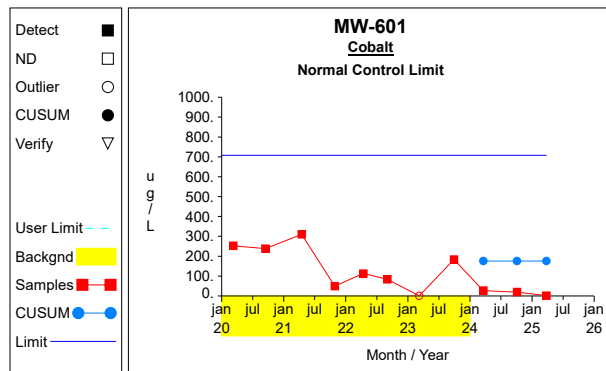
Graph 199



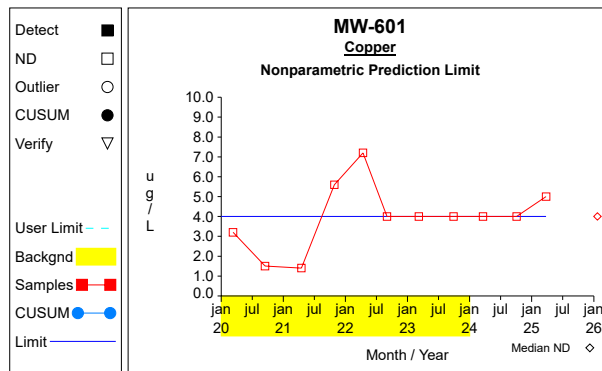
Graph 200



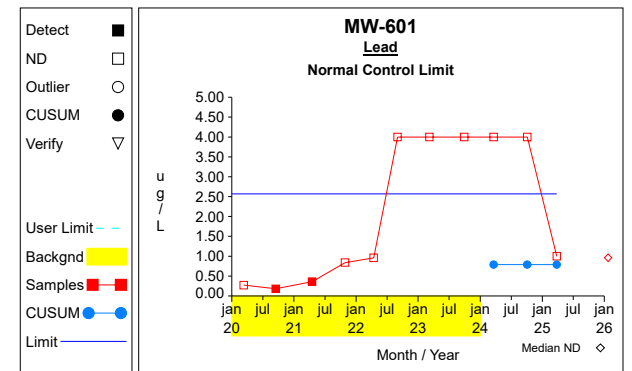
Graph 201



Graph 202

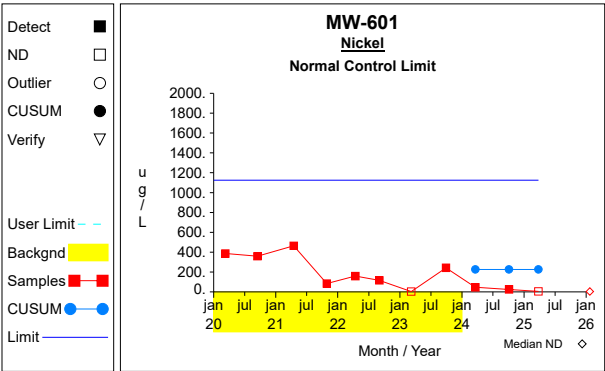


Graph 203

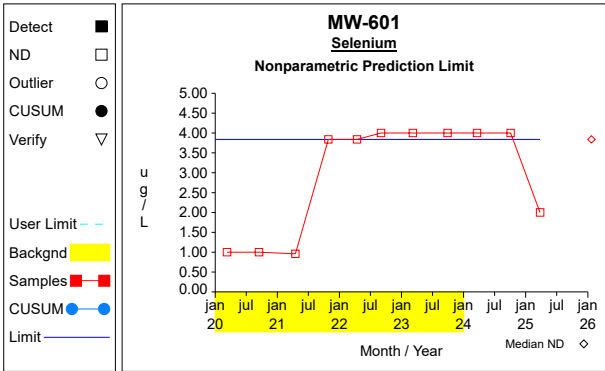


Graph 204

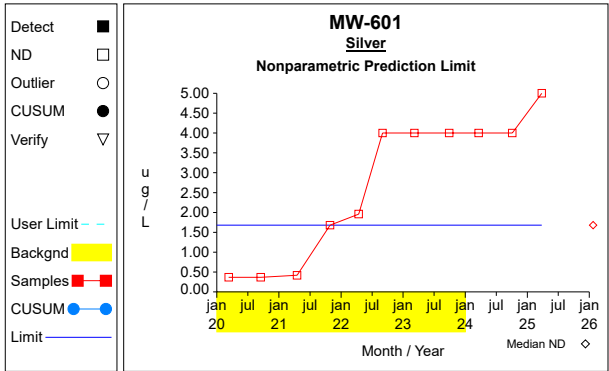
Intra-Well Control Charts / Prediction Limits



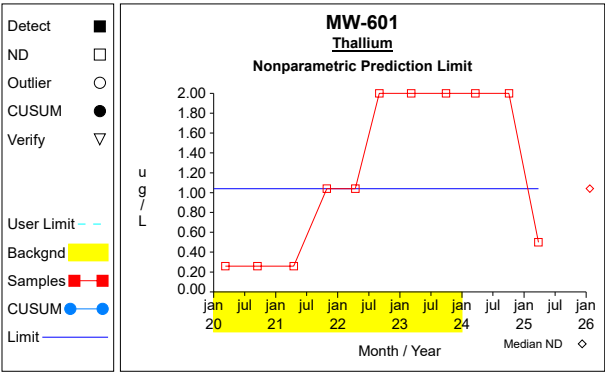
Graph 205



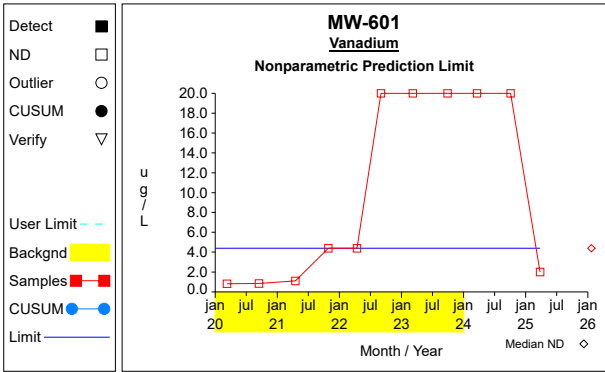
Graph 206



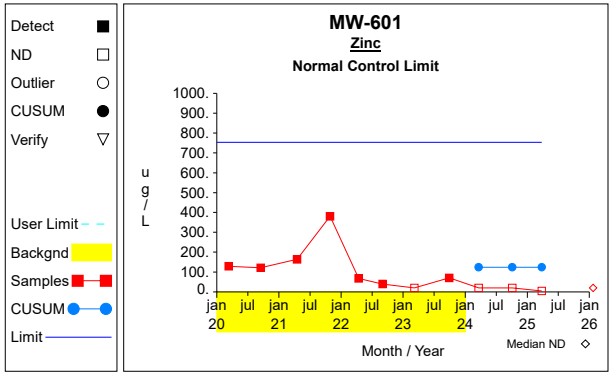
Graph 207



Graph 208

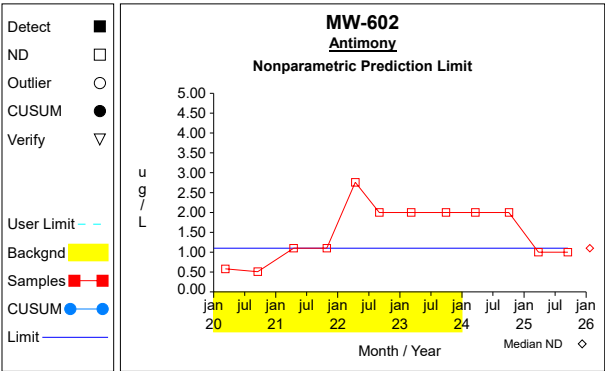


Graph 209

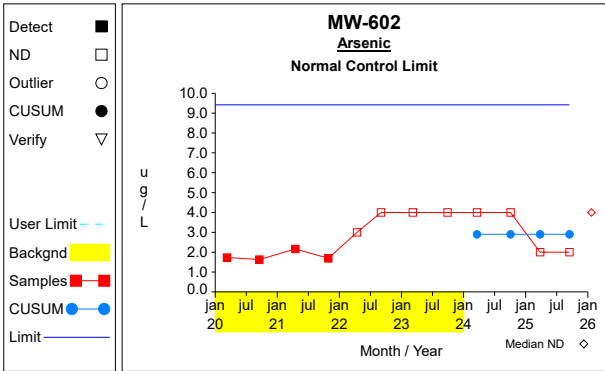


Graph 210

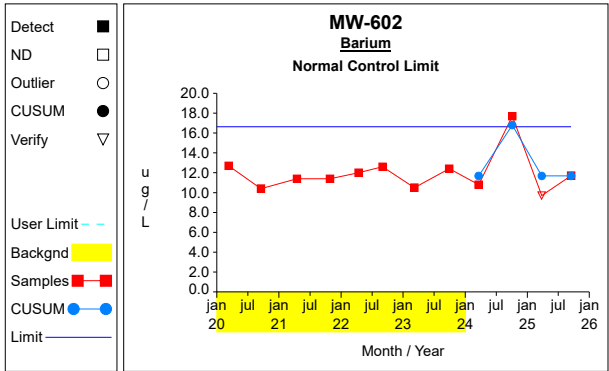
Intra-Well Control Charts / Prediction Limits



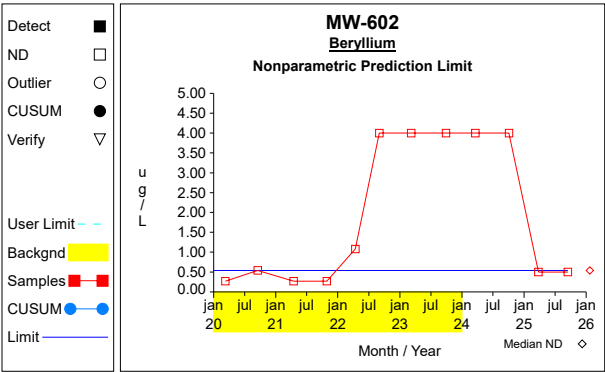
Graph 211



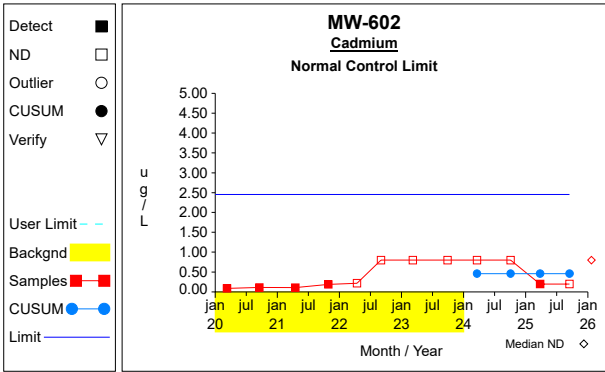
Graph 212



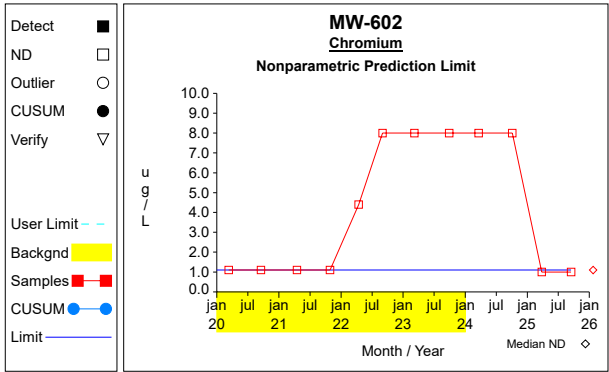
Graph 213



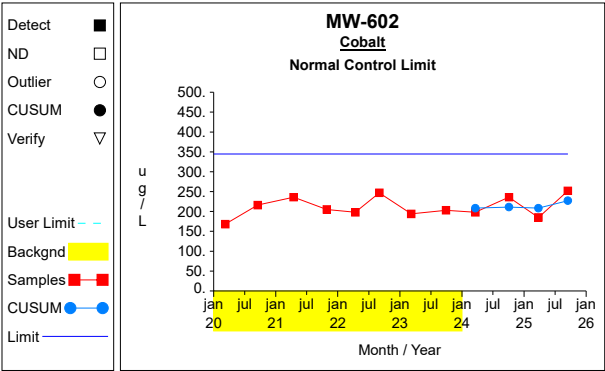
Graph 214



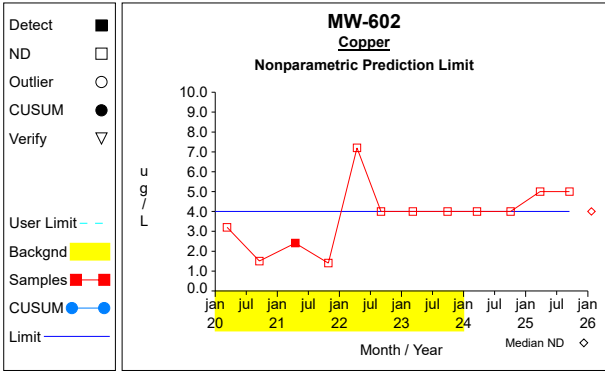
Graph 215



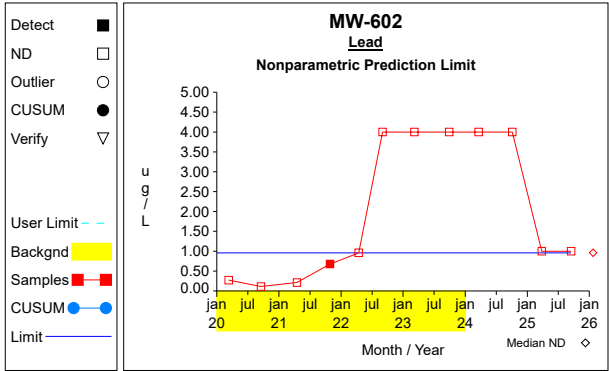
Graph 216



Graph 217

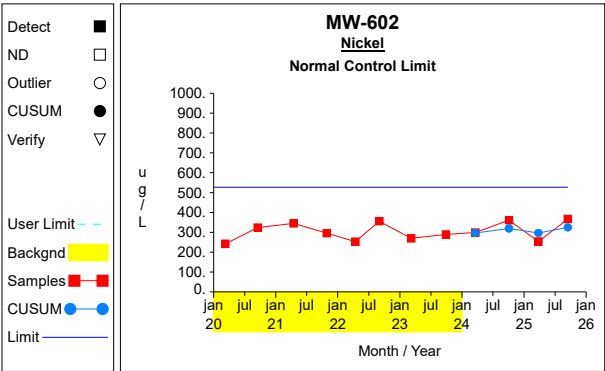


Graph 218

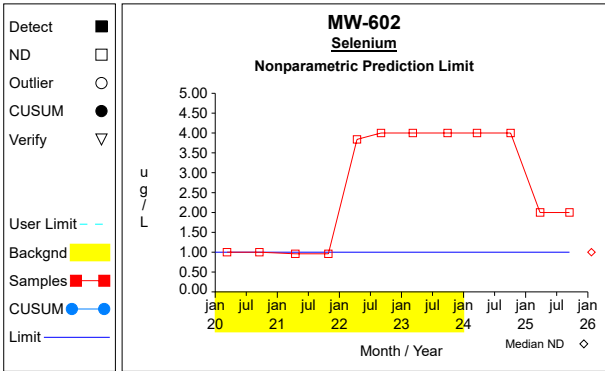


Graph 219

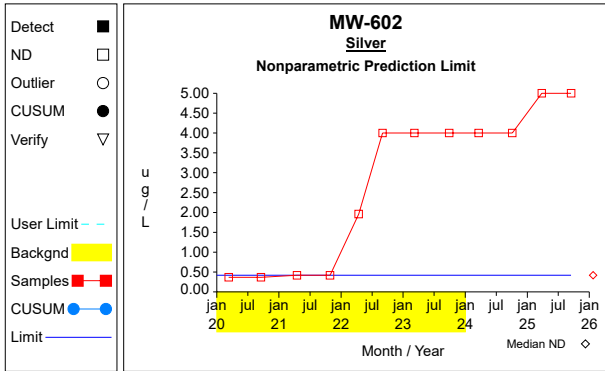
Intra-Well Control Charts / Prediction Limits



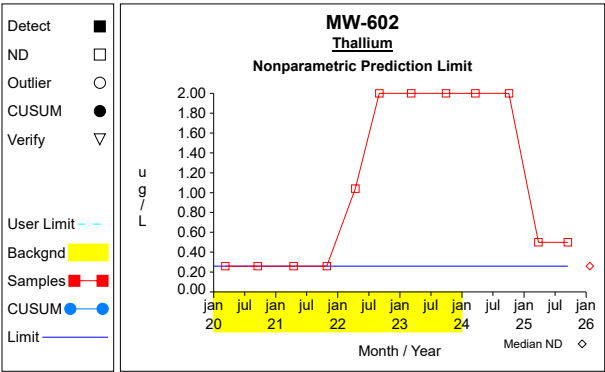
Graph 220



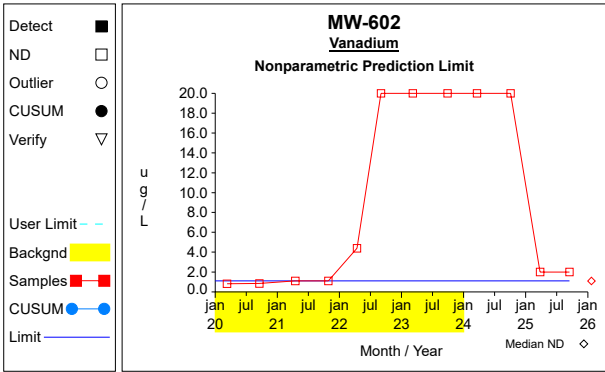
Graph 221



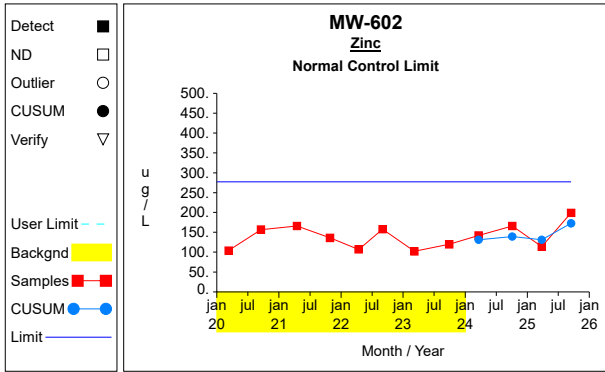
Graph 222



Graph 223

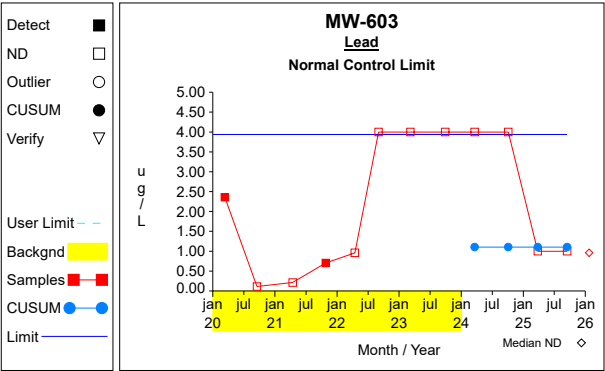
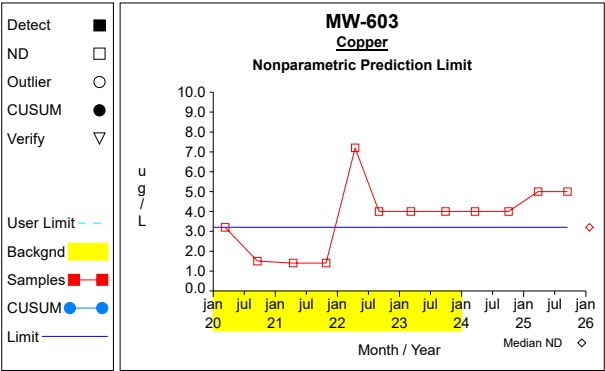
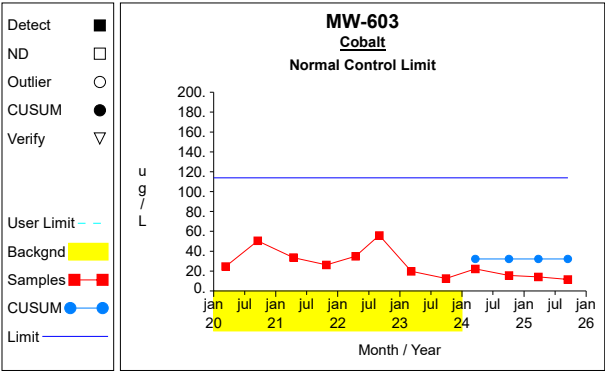
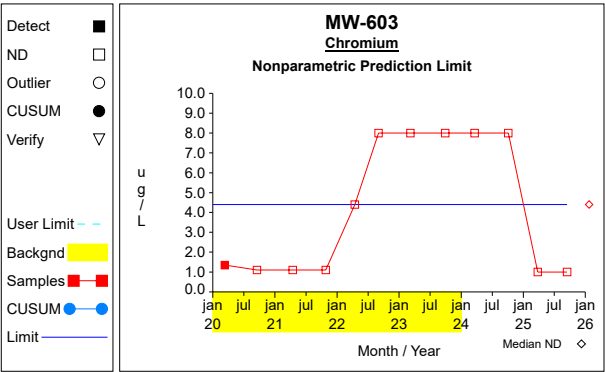
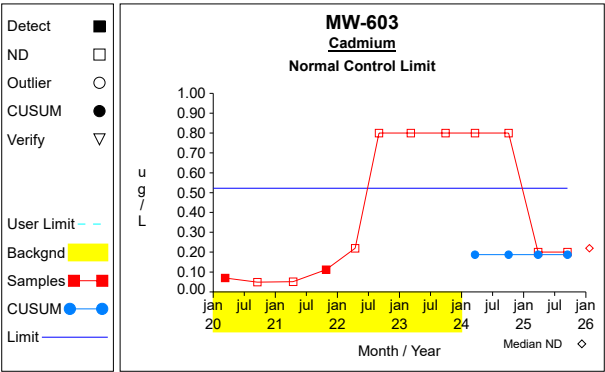
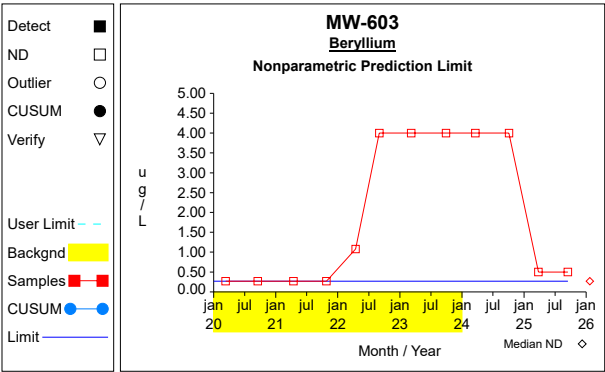
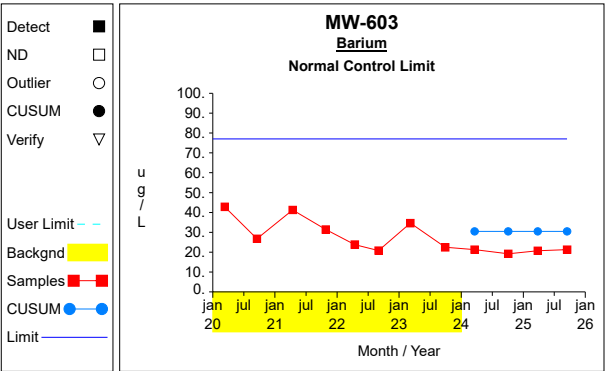
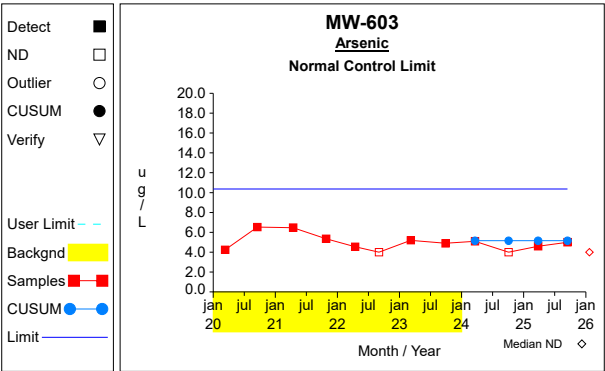
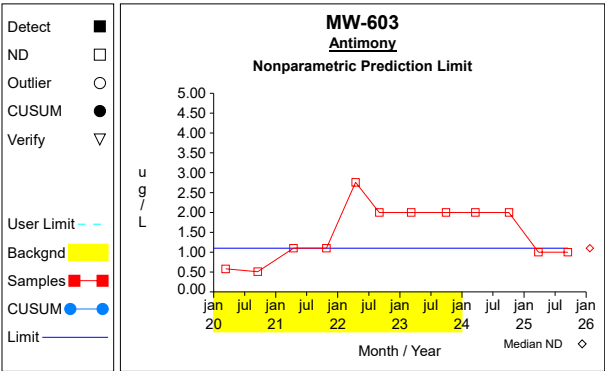


Graph 224

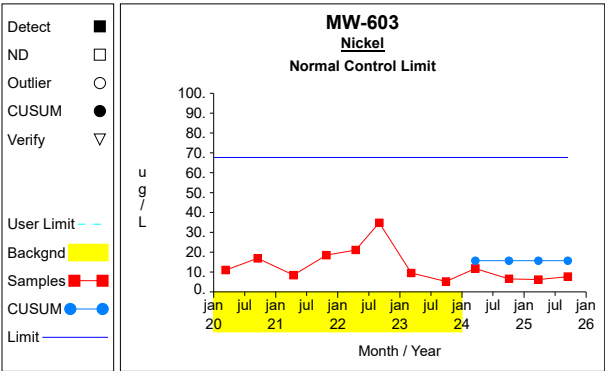


Graph 225

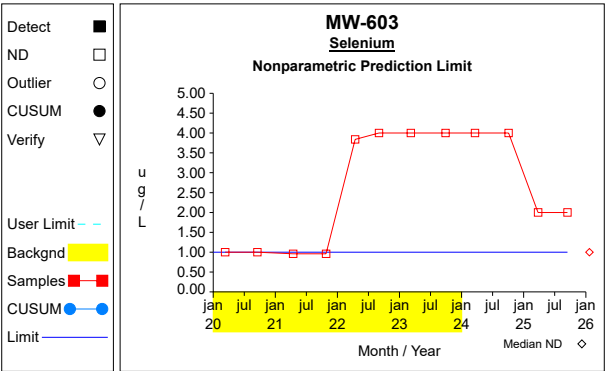
Intra-Well Control Charts / Prediction Limits



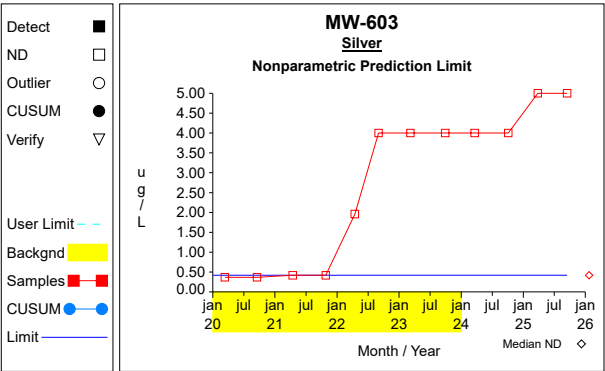
Intra-Well Control Charts / Prediction Limits



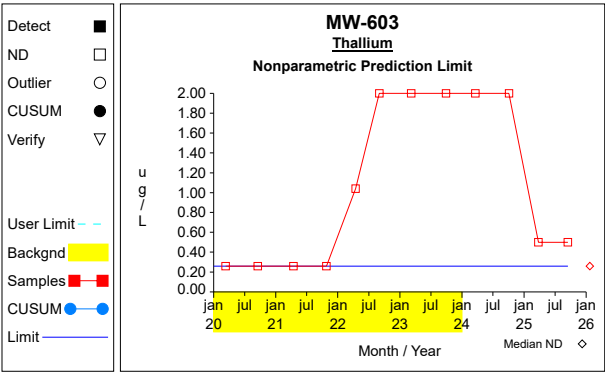
Graph 235



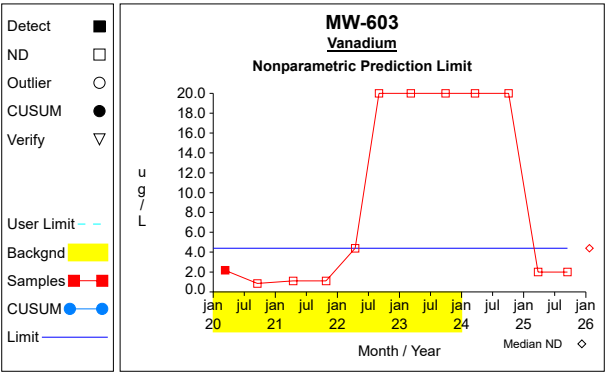
Graph 236



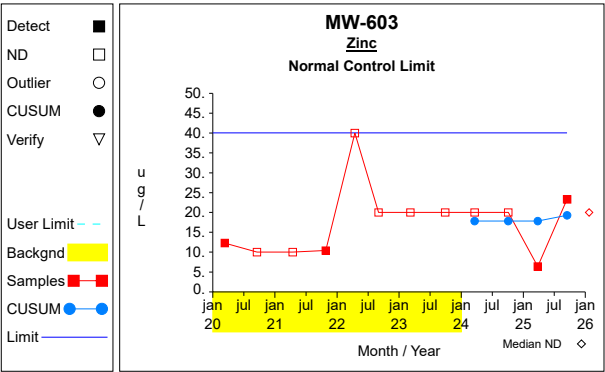
Graph 237



Graph 238

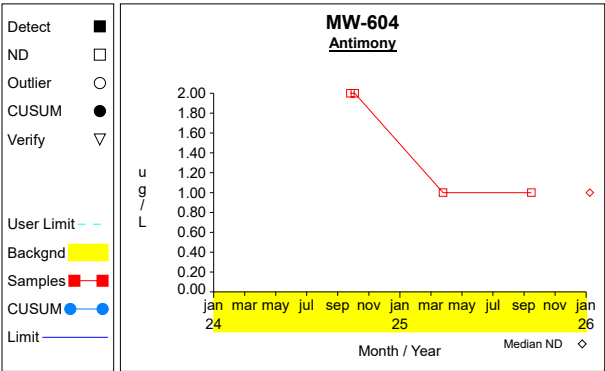


Graph 239

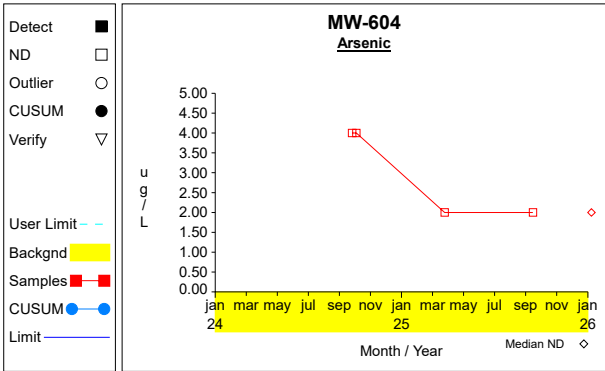


Graph 240

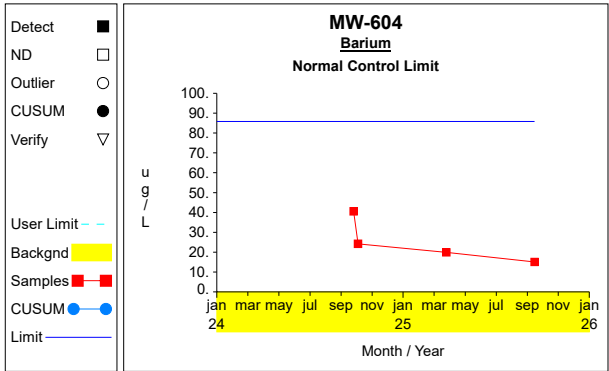
Intra-Well Control Charts / Prediction Limits



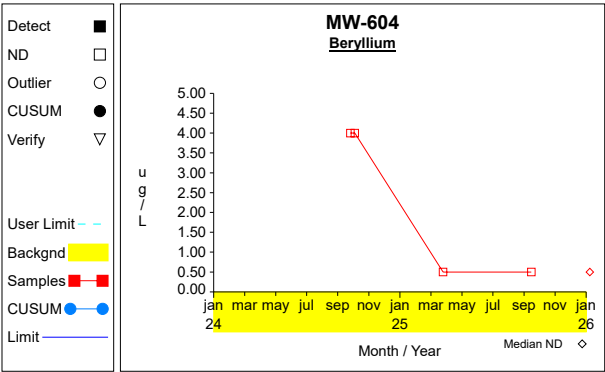
Graph 241



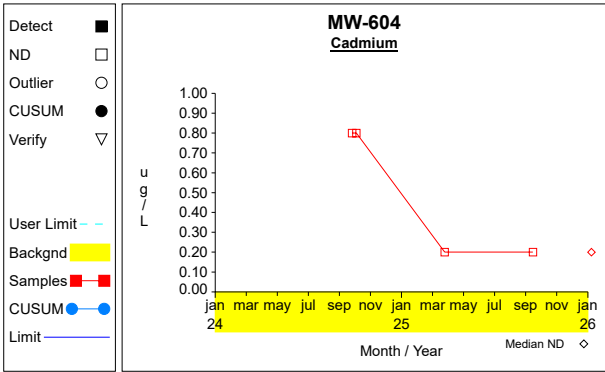
Graph 242



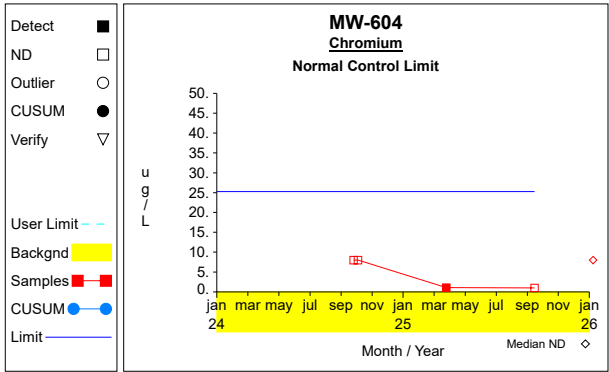
Graph 243



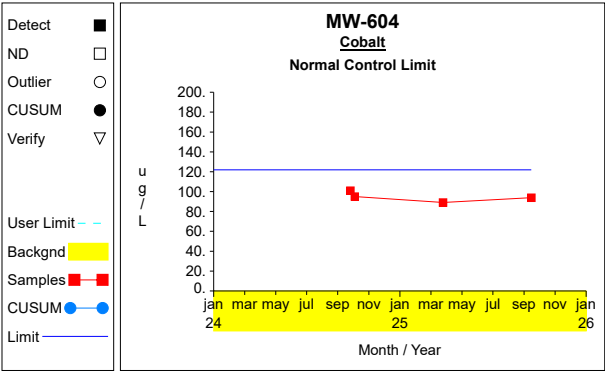
Graph 244



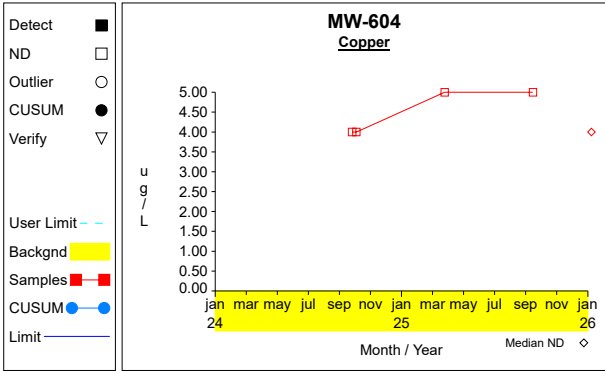
Graph 245



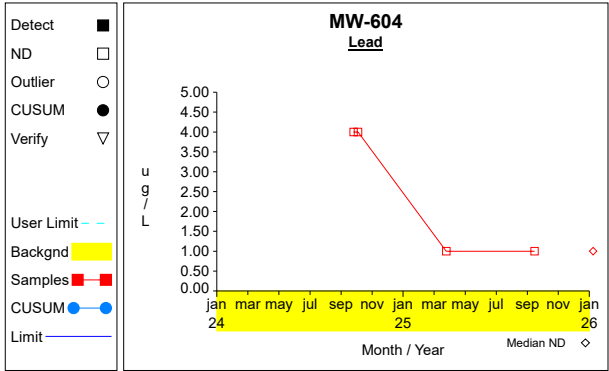
Graph 246



Graph 247

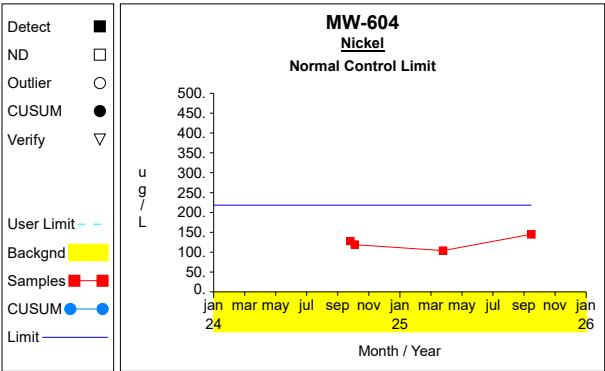


Graph 248

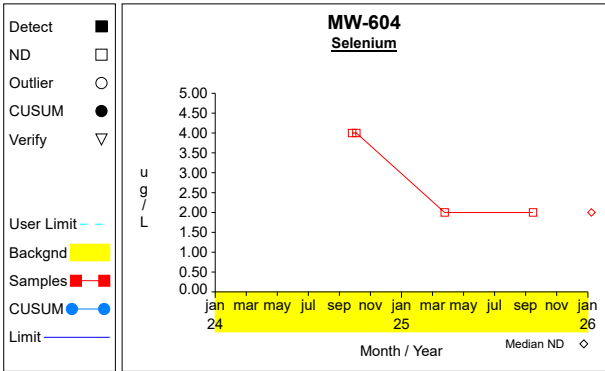


Graph 249

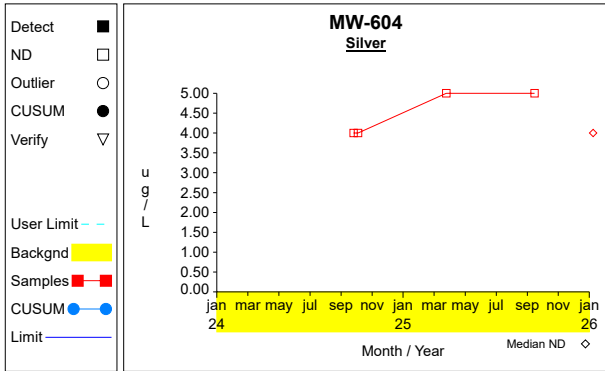
Intra-Well Control Charts / Prediction Limits



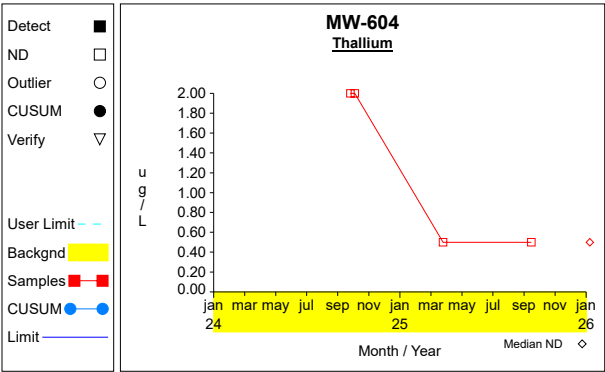
Graph 250



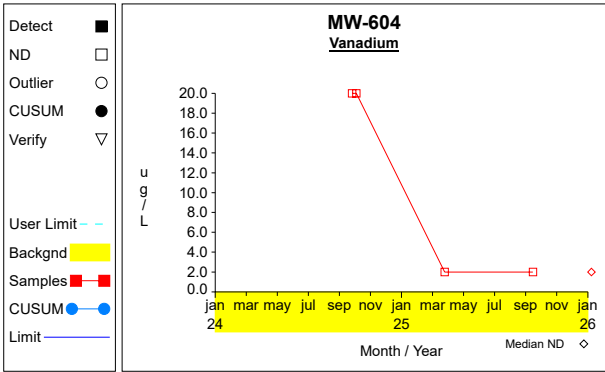
Graph 251



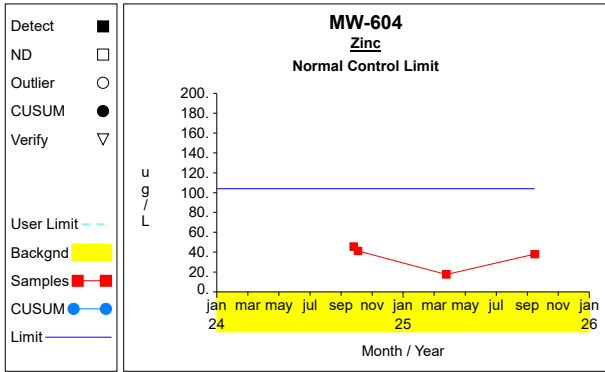
Graph 252



Graph 253

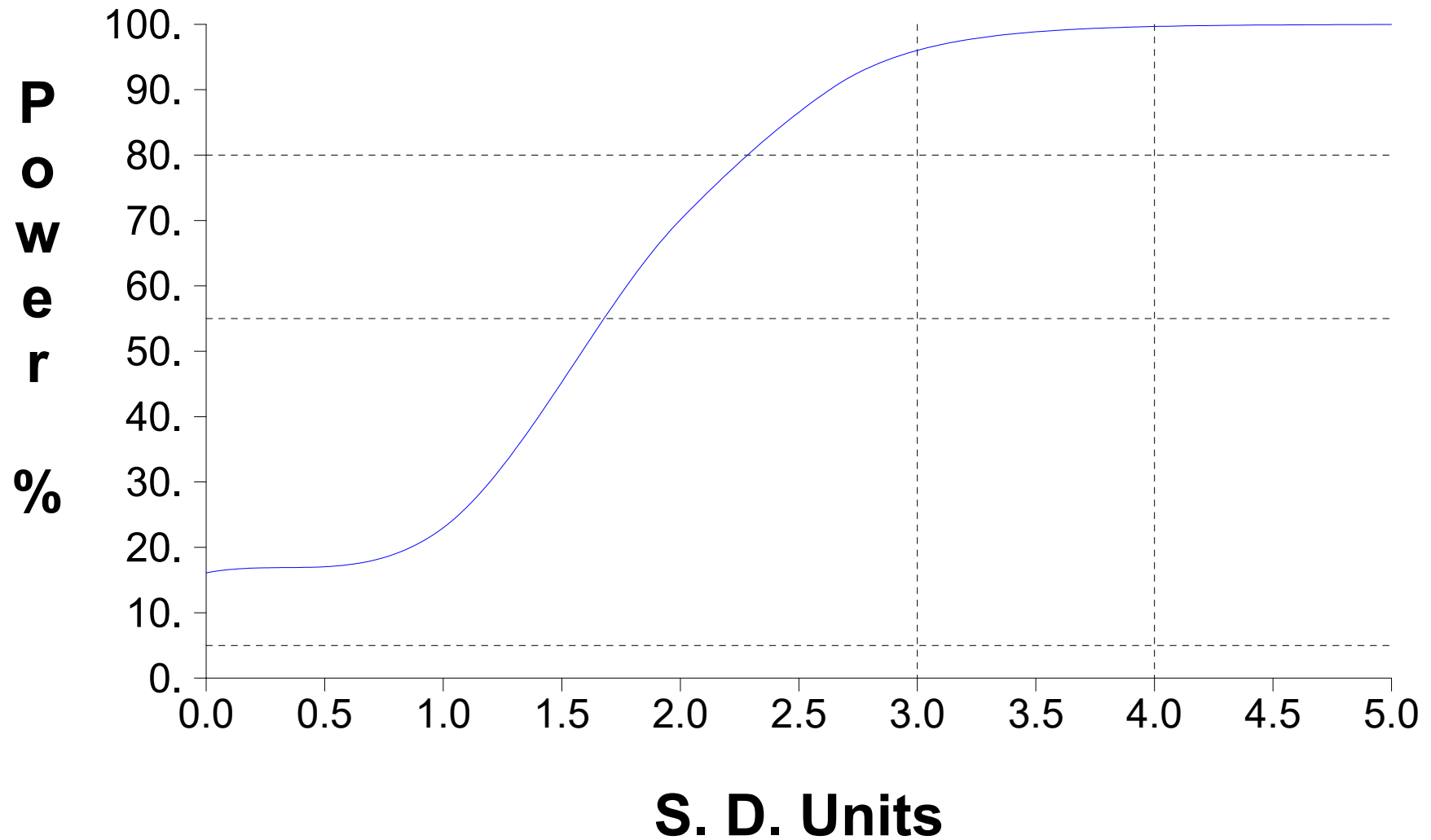


Graph 254



Graph 255

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



Attachment C

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony	ug/L	MW-307	09/18/2012	ND	12.0000	1.1000	**
Antimony	ug/L	MW-307	03/27/2013	ND	6.0000	1.1000	**
Antimony	ug/L	MW-307	09/26/2013	ND	6.0000	1.1000	**
Antimony	ug/L	MW-307	04/15/2014	ND	6.0000	1.1000	**
Antimony	ug/L	MW-307	09/01/2015	ND	1.0000	1.1000	**
Antimony	ug/L	MW-307	03/22/2016	ND	0.2370	1.1000	**
Antimony	ug/L	MW-307	10/21/2016	ND	0.2370	1.1000	**
Antimony	ug/L	MW-307	03/08/2017	ND	0.1850	1.1000	**
Antimony	ug/L	MW-307	09/25/2017	ND	0.1850	1.1000	**
Antimony	ug/L	MW-307	03/13/2018	ND	0.7400	1.1000	**
Antimony	ug/L	MW-307	10/01/2018	ND	1.3200	1.1000	**
Antimony	ug/L	MW-307	03/27/2019	ND	0.5300	1.1000	**
Antimony	ug/L	MW-307	09/23/2019	ND	2.1200	1.1000	**
Antimony	ug/L	MW-307	03/09/2020	ND	0.5800	1.1000	**
Antimony	ug/L	MW-307	09/17/2020	ND	0.5100	1.1000	**
Antimony	ug/L	MW-307	04/16/2021	ND	1.1000		
Antimony	ug/L	MW-307	10/28/2021	ND	1.1000		
Antimony	ug/L	MW-307	04/13/2022	ND	2.7600	1.1000	**
Antimony	ug/L	MW-307	09/01/2022	ND	2.0000	1.1000	**
Antimony	ug/L	MW-307	03/06/2023	ND	2.0000	1.1000	**
Antimony	ug/L	MW-307	09/29/2023		4.4000		
Antimony	ug/L	MW-307	03/19/2024	ND	2.0000	1.1000	**
Antimony	ug/L	MW-307	10/03/2024	ND	2.0000	1.1000	**
Antimony	ug/L	MW-307	03/25/2025	ND	1.0000	1.1000	**
Antimony	ug/L	MW-307	09/15/2025	ND	1.0000	1.1000	**
Arsenic	ug/L	MW-307	09/18/2012		2.0100		
Arsenic	ug/L	MW-307	03/27/2013	ND	2.0000		
Arsenic	ug/L	MW-307	09/26/2013		4.6700		
Arsenic	ug/L	MW-307	04/15/2014	ND	1.0000	2.0000	**
Arsenic	ug/L	MW-307	09/01/2015		3.7000		
Arsenic	ug/L	MW-307	03/22/2016		4.3500		
Arsenic	ug/L	MW-307	10/21/2016		3.9600		
Arsenic	ug/L	MW-307	03/08/2017	ND	5.0500	2.0000	**
Arsenic	ug/L	MW-307	09/25/2017		3.8900		
Arsenic	ug/L	MW-307	03/13/2018		3.7200		
Arsenic	ug/L	MW-307	10/01/2018		4.4100		
Arsenic	ug/L	MW-307	03/27/2019		3.6900		
Arsenic	ug/L	MW-307	09/23/2019		3.9100		
Arsenic	ug/L	MW-307	03/09/2020		3.9700		
Arsenic	ug/L	MW-307	09/17/2020		3.9200		
Arsenic	ug/L	MW-307	04/16/2021		4.3400		
Arsenic	ug/L	MW-307	10/28/2021	ND	0.7500		*
Arsenic	ug/L	MW-307	04/13/2022		3.9200		
Arsenic	ug/L	MW-307	09/01/2022	ND	4.0000	2.0000	**
Arsenic	ug/L	MW-307	03/06/2023		4.3000		
Arsenic	ug/L	MW-307	09/29/2023		31.9000		*
Arsenic	ug/L	MW-307	03/19/2024		4.0000		
Arsenic	ug/L	MW-307	10/03/2024		4.5000		
Arsenic	ug/L	MW-307	03/25/2025	ND	2.0000		
Arsenic	ug/L	MW-307	09/15/2025		2.6000		
Barium	ug/L	MW-307	09/18/2012	ND	10.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium	ug/L	MW-307	03/27/2013		10.4000		
Barium	ug/L	MW-307	09/26/2013	ND	30.0000	10.0000	**
Barium	ug/L	MW-307	04/15/2014	ND	10.0000		
Barium	ug/L	MW-307	09/01/2015		9.5900		
Barium	ug/L	MW-307	03/22/2016		8.5100		
Barium	ug/L	MW-307	10/21/2016		8.9200		
Barium	ug/L	MW-307	03/08/2017		8.7100		
Barium	ug/L	MW-307	09/25/2017		8.5700		
Barium	ug/L	MW-307	03/13/2018		9.2700		
Barium	ug/L	MW-307	10/01/2018		7.2400		
Barium	ug/L	MW-307	03/27/2019		7.8600		
Barium	ug/L	MW-307	09/23/2019		7.9700		
Barium	ug/L	MW-307	03/09/2020		8.2600		
Barium	ug/L	MW-307	09/17/2020		7.6700		
Barium	ug/L	MW-307	04/16/2021		9.9100		
Barium	ug/L	MW-307	10/28/2021		17.6000		
Barium	ug/L	MW-307	04/13/2022		8.8200		
Barium	ug/L	MW-307	09/01/2022		8.3000		
Barium	ug/L	MW-307	03/06/2023		8.9000		
Barium	ug/L	MW-307	09/29/2023		21.8000		
Barium	ug/L	MW-307	03/19/2024		9.0000		
Barium	ug/L	MW-307	10/03/2024		12.8000		
Barium	ug/L	MW-307	03/25/2025		9.5000		
Barium	ug/L	MW-307	09/15/2025		9.9000		
Beryllium	ug/L	MW-307	09/18/2012	ND	1.0000		
Beryllium	ug/L	MW-307	03/27/2013		0.6240		
Beryllium	ug/L	MW-307	09/26/2013		0.5800		
Beryllium	ug/L	MW-307	04/15/2014		0.2650		
Beryllium	ug/L	MW-307	09/01/2015	ND	1.0000		
Beryllium	ug/L	MW-307	03/22/2016		0.5390		
Beryllium	ug/L	MW-307	10/21/2016		0.4770		
Beryllium	ug/L	MW-307	03/08/2017		0.4550		
Beryllium	ug/L	MW-307	09/25/2017		0.4270		
Beryllium	ug/L	MW-307	03/13/2018	ND	0.5000	1.0000	**
Beryllium	ug/L	MW-307	10/01/2018	ND	0.5300	1.0000	**
Beryllium	ug/L	MW-307	03/27/2019		0.3750		
Beryllium	ug/L	MW-307	09/23/2019	ND	1.0800	1.0000	**
Beryllium	ug/L	MW-307	03/09/2020		0.3300		
Beryllium	ug/L	MW-307	09/17/2020	ND	1.0800	1.0000	**
Beryllium	ug/L	MW-307	04/16/2021		0.5770		
Beryllium	ug/L	MW-307	10/28/2021	ND	0.2700	1.0000	**
Beryllium	ug/L	MW-307	04/13/2022	ND	1.0800	1.0000	**
Beryllium	ug/L	MW-307	09/01/2022	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-307	03/06/2023	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-307	09/29/2023	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-307	03/19/2024	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-307	10/03/2024	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-307	03/25/2025	ND	0.5000	1.0000	**
Beryllium	ug/L	MW-307	09/15/2025	ND	0.5000	1.0000	**
Cadmium	ug/L	MW-307	09/18/2012	ND	0.5000		
Cadmium	ug/L	MW-307	03/27/2013	ND	0.5000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium	ug/L	MW-307	09/26/2013	ND	0.5000		
Cadmium	ug/L	MW-307	04/15/2014		0.1470		
Cadmium	ug/L	MW-307	09/01/2015	ND	0.5000		
Cadmium	ug/L	MW-307	03/22/2016		0.1620		
Cadmium	ug/L	MW-307	10/21/2016		0.1150		
Cadmium	ug/L	MW-307	03/08/2017		0.1060		
Cadmium	ug/L	MW-307	09/25/2017		0.0750		
Cadmium	ug/L	MW-307	03/13/2018	ND	0.1760	0.5000	**
Cadmium	ug/L	MW-307	10/01/2018		0.8170		
Cadmium	ug/L	MW-307	03/27/2019		0.0910		
Cadmium	ug/L	MW-307	09/23/2019	ND	0.1560	0.5000	**
Cadmium	ug/L	MW-307	03/09/2020		0.1280		
Cadmium	ug/L	MW-307	09/17/2020		0.0860		
Cadmium	ug/L	MW-307	04/16/2021		0.1160		
Cadmium	ug/L	MW-307	10/28/2021		0.0840		
Cadmium	ug/L	MW-307	04/13/2022	ND	0.2200	0.5000	**
Cadmium	ug/L	MW-307	09/01/2022	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-307	03/06/2023	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-307	09/29/2023	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-307	03/19/2024	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-307	10/03/2024	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-307	03/25/2025		0.2000		
Cadmium	ug/L	MW-307	09/15/2025	ND	0.2000	0.5000	**
Chromium	ug/L	MW-307	09/18/2012	ND	20.0000	3.9200	**
Chromium	ug/L	MW-307	03/27/2013	ND	20.0000	3.9200	**
Chromium	ug/L	MW-307	09/26/2013	ND	60.0000	3.9200	**
Chromium	ug/L	MW-307	04/15/2014	ND	20.0000	3.9200	**
Chromium	ug/L	MW-307	09/01/2015	ND	5.0000	3.9200	**
Chromium	ug/L	MW-307	03/22/2016	ND	0.3550	3.9200	**
Chromium	ug/L	MW-307	10/21/2016	ND	0.3550	3.9200	**
Chromium	ug/L	MW-307	03/08/2017	ND	7.2900	3.9200	**
Chromium	ug/L	MW-307	09/25/2017	ND	0.7290	3.9200	**
Chromium	ug/L	MW-307	03/13/2018	ND	2.9200	3.9200	**
Chromium	ug/L	MW-307	10/01/2018		1.6000		
Chromium	ug/L	MW-307	03/27/2019	ND	0.9800	3.9200	**
Chromium	ug/L	MW-307	09/23/2019	ND	3.9200		
Chromium	ug/L	MW-307	03/09/2020	ND	1.1000	3.9200	**
Chromium	ug/L	MW-307	09/17/2020	ND	1.1000	3.9200	**
Chromium	ug/L	MW-307	04/16/2021	ND	1.1000	3.9200	**
Chromium	ug/L	MW-307	10/28/2021	ND	1.1000	3.9200	**
Chromium	ug/L	MW-307	04/13/2022	ND	4.4000	3.9200	**
Chromium	ug/L	MW-307	09/01/2022	ND	8.0000	3.9200	**
Chromium	ug/L	MW-307	03/06/2023	ND	8.0000	3.9200	**
Chromium	ug/L	MW-307	09/29/2023	ND	8.0000	3.9200	**
Chromium	ug/L	MW-307	03/19/2024	ND	8.0000	3.9200	**
Chromium	ug/L	MW-307	10/03/2024	ND	8.0000	3.9200	**
Chromium	ug/L	MW-307	03/25/2025	ND	1.0000	3.9200	**
Chromium	ug/L	MW-307	09/15/2025	ND	1.0000	3.9200	**
Cobalt	ug/L	MW-307	09/18/2012		60.1000		
Cobalt	ug/L	MW-307	03/27/2013		83.8000		
Cobalt	ug/L	MW-307	09/26/2013		44.3000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt	ug/L	MW-307	04/15/2014		59.8000		
Cobalt	ug/L	MW-307	09/01/2015		41.9000		
Cobalt	ug/L	MW-307	03/22/2016		50.9000		
Cobalt	ug/L	MW-307	10/21/2016		59.1000		
Cobalt	ug/L	MW-307	03/08/2017		68.4000		
Cobalt	ug/L	MW-307	09/25/2017		58.0000		
Cobalt	ug/L	MW-307	03/13/2018		65.1000		
Cobalt	ug/L	MW-307	10/01/2018		52.4000		
Cobalt	ug/L	MW-307	03/27/2019		35.6000		
Cobalt	ug/L	MW-307	09/23/2019		44.9000		
Cobalt	ug/L	MW-307	03/09/2020		42.0000		
Cobalt	ug/L	MW-307	09/17/2020		45.8000		
Cobalt	ug/L	MW-307	04/16/2021		59.1000		
Cobalt	ug/L	MW-307	10/28/2021		14.8000		*
Cobalt	ug/L	MW-307	04/13/2022		53.5000		
Cobalt	ug/L	MW-307	09/01/2022		39.9000		
Cobalt	ug/L	MW-307	03/06/2023		48.5000		
Cobalt	ug/L	MW-307	09/29/2023		36.6000		
Cobalt	ug/L	MW-307	03/19/2024		42.8000		
Cobalt	ug/L	MW-307	10/03/2024		39.7000		
Cobalt	ug/L	MW-307	03/25/2025		37.4000		
Cobalt	ug/L	MW-307	09/15/2025		36.5000		
Copper	ug/L	MW-307	09/18/2012	ND	20.0000	4.0000	**
Copper	ug/L	MW-307	03/27/2013	ND	20.0000	4.0000	**
Copper	ug/L	MW-307	09/26/2013	ND	60.0000	4.0000	**
Copper	ug/L	MW-307	04/15/2014	ND	20.0000	4.0000	**
Copper	ug/L	MW-307	09/01/2015	ND	2.0000	4.0000	**
Copper	ug/L	MW-307	03/22/2016	ND	1.2200	4.0000	**
Copper	ug/L	MW-307	10/21/2016	ND	1.2200	4.0000	**
Copper	ug/L	MW-307	03/08/2017	ND	2.1900	4.0000	**
Copper	ug/L	MW-307	09/25/2017	ND	2.1900	4.0000	**
Copper	ug/L	MW-307	03/13/2018	ND	8.7600	4.0000	**
Copper	ug/L	MW-307	10/01/2018		1.2400		
Copper	ug/L	MW-307	03/27/2019	ND	2.0000	4.0000	**
Copper	ug/L	MW-307	09/23/2019	ND	8.0000	4.0000	**
Copper	ug/L	MW-307	03/09/2020	ND	3.2000	4.0000	**
Copper	ug/L	MW-307	09/17/2020	ND	1.5000	4.0000	**
Copper	ug/L	MW-307	04/16/2021	ND	1.4000	4.0000	**
Copper	ug/L	MW-307	10/28/2021		1.5400		
Copper	ug/L	MW-307	04/13/2022	ND	7.2000	4.0000	**
Copper	ug/L	MW-307	09/01/2022	ND	4.0000		
Copper	ug/L	MW-307	03/06/2023	ND	4.0000		
Copper	ug/L	MW-307	09/29/2023		4.2000		
Copper	ug/L	MW-307	03/19/2024	ND	4.0000		
Copper	ug/L	MW-307	10/03/2024	ND	4.0000		
Copper	ug/L	MW-307	03/25/2025	ND	5.0000	4.0000	**
Copper	ug/L	MW-307	09/15/2025	ND	5.0000	4.0000	**
Lead	ug/L	MW-307	09/18/2012	ND	4.0000	1.0800	**
Lead	ug/L	MW-307	03/27/2013	ND	4.0000	1.0800	**
Lead	ug/L	MW-307	09/26/2013	ND	4.0000	1.0800	**
Lead	ug/L	MW-307	04/15/2014	ND	4.0000	1.0800	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead	ug/L	MW-307	09/01/2015	ND	0.5000	1.0800	**
Lead	ug/L	MW-307	03/22/2016	ND	0.2110	1.0800	**
Lead	ug/L	MW-307	10/21/2016	ND	0.2110	1.0800	**
Lead	ug/L	MW-307	03/08/2017	ND	0.3240	1.0800	**
Lead	ug/L	MW-307	09/25/2017	ND	0.3240	1.0800	**
Lead	ug/L	MW-307	03/13/2018	ND	1.3000	1.0800	**
Lead	ug/L	MW-307	10/01/2018	ND	0.1860	1.0800	**
Lead	ug/L	MW-307	03/27/2019	ND	0.2700	1.0800	**
Lead	ug/L	MW-307	09/23/2019	ND	1.0800		
Lead	ug/L	MW-307	03/09/2020	ND	0.2700	1.0800	**
Lead	ug/L	MW-307	09/17/2020	ND	0.1100	1.0800	**
Lead	ug/L	MW-307	04/16/2021	ND	0.2100	1.0800	**
Lead	ug/L	MW-307	10/28/2021		0.7700		
Lead	ug/L	MW-307	04/13/2022	ND	0.9600	1.0800	**
Lead	ug/L	MW-307	09/01/2022	ND	4.0000	1.0800	**
Lead	ug/L	MW-307	03/06/2023	ND	4.0000	1.0800	**
Lead	ug/L	MW-307	09/29/2023	ND	4.0000	1.0800	**
Lead	ug/L	MW-307	03/19/2024	ND	4.0000	1.0800	**
Lead	ug/L	MW-307	10/03/2024	ND	4.0000	1.0800	**
Lead	ug/L	MW-307	03/25/2025	ND	1.0000	1.0800	**
Lead	ug/L	MW-307	09/15/2025	ND	1.0000	1.0800	**
Nickel	ug/L	MW-307	09/18/2012		115.0000		
Nickel	ug/L	MW-307	03/27/2013		122.0000		
Nickel	ug/L	MW-307	09/26/2013		79.6000		
Nickel	ug/L	MW-307	04/15/2014		101.0000		
Nickel	ug/L	MW-307	09/01/2015		70.9000		
Nickel	ug/L	MW-307	03/22/2016		84.3000		
Nickel	ug/L	MW-307	10/21/2016		69.8000		
Nickel	ug/L	MW-307	03/08/2017		112.0000		
Nickel	ug/L	MW-307	09/25/2017		62.0000		
Nickel	ug/L	MW-307	03/13/2018		98.9000		
Nickel	ug/L	MW-307	10/01/2018		92.9000		
Nickel	ug/L	MW-307	03/27/2019		79.1000		
Nickel	ug/L	MW-307	09/23/2019		75.9000		
Nickel	ug/L	MW-307	03/09/2020		71.1000		
Nickel	ug/L	MW-307	09/17/2020		76.9000		
Nickel	ug/L	MW-307	04/16/2021		104.0000		
Nickel	ug/L	MW-307	10/28/2021		31.5000		
Nickel	ug/L	MW-307	04/13/2022		88.8000		
Nickel	ug/L	MW-307	09/01/2022		70.0000		
Nickel	ug/L	MW-307	03/06/2023		83.7000		
Nickel	ug/L	MW-307	09/29/2023		68.1000		
Nickel	ug/L	MW-307	03/19/2024		74.2000		
Nickel	ug/L	MW-307	10/03/2024		69.8000		
Nickel	ug/L	MW-307	03/25/2025		53.4000		
Nickel	ug/L	MW-307	09/15/2025		62.8000		
Selenium	ug/L	MW-307	09/18/2012	ND	5.0000	3.8400	**
Selenium	ug/L	MW-307	03/27/2013	ND	5.0000	3.8400	**
Selenium	ug/L	MW-307	09/26/2013	ND	5.0000	3.8400	**
Selenium	ug/L	MW-307	04/15/2014	ND	5.0000	3.8400	**
Selenium	ug/L	MW-307	09/01/2015	ND	5.0000	3.8400	**

* - 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	ug/L	MW-307	03/22/2016		0.6430		
Selenium	ug/L	MW-307	10/21/2016		1.4800		
Selenium	ug/L	MW-307	03/08/2017		2.3100		
Selenium	ug/L	MW-307	09/25/2017		1.0600		
Selenium	ug/L	MW-307	03/13/2018	ND	3.7100	3.8400	**
Selenium	ug/L	MW-307	10/01/2018		1.0400		
Selenium	ug/L	MW-307	03/27/2019		1.2300		
Selenium	ug/L	MW-307	09/23/2019	ND	4.0000	3.8400	**
Selenium	ug/L	MW-307	03/09/2020		1.2400		
Selenium	ug/L	MW-307	09/17/2020	ND	1.0000	3.8400	**
Selenium	ug/L	MW-307	04/16/2021	ND	0.9600	3.8400	**
Selenium	ug/L	MW-307	10/28/2021	ND	0.9600	3.8400	**
Selenium	ug/L	MW-307	04/13/2022	ND	3.8400		
Selenium	ug/L	MW-307	09/01/2022	ND	4.0000	3.8400	**
Selenium	ug/L	MW-307	03/06/2023	ND	4.0000	3.8400	**
Selenium	ug/L	MW-307	09/29/2023		6.4000		
Selenium	ug/L	MW-307	03/19/2024	ND	4.0000	3.8400	**
Selenium	ug/L	MW-307	10/03/2024	ND	4.0000	3.8400	**
Selenium	ug/L	MW-307	03/25/2025	ND	2.0000	3.8400	**
Selenium	ug/L	MW-307	09/15/2025	ND	2.0000	3.8400	**
Silver	ug/L	MW-307	09/18/2012		36.0000		*
Silver	ug/L	MW-307	03/27/2013	ND	20.0000	1.4800	**
Silver	ug/L	MW-307	09/26/2013		18.1000		*
Silver	ug/L	MW-307	04/15/2014	ND	20.0000	1.4800	**
Silver	ug/L	MW-307	09/01/2015	ND	1.0000	1.4800	**
Silver	ug/L	MW-307	03/22/2016	ND	0.1530	1.4800	**
Silver	ug/L	MW-307	10/21/2016	ND	0.1530	1.4800	**
Silver	ug/L	MW-307	03/08/2017	ND	1.4000	1.4800	**
Silver	ug/L	MW-307	09/25/2017	ND	0.1400	1.4800	**
Silver	ug/L	MW-307	03/13/2018	ND	0.5600	1.4800	**
Silver	ug/L	MW-307	10/01/2018	ND	0.1150	1.4800	**
Silver	ug/L	MW-307	03/27/2019	ND	0.3700	1.4800	**
Silver	ug/L	MW-307	09/23/2019	ND	1.4800		
Silver	ug/L	MW-307	03/09/2020	ND	0.3700	1.4800	**
Silver	ug/L	MW-307	09/17/2020	ND	0.3700	1.4800	**
Silver	ug/L	MW-307	04/16/2021	ND	0.4200	1.4800	**
Silver	ug/L	MW-307	10/28/2021	ND	0.4200	1.4800	**
Silver	ug/L	MW-307	04/13/2022	ND	1.9600	1.4800	**
Silver	ug/L	MW-307	09/01/2022	ND	4.0000	1.4800	**
Silver	ug/L	MW-307	03/06/2023	ND	4.0000	1.4800	**
Silver	ug/L	MW-307	09/29/2023	ND	4.0000	1.4800	**
Silver	ug/L	MW-307	03/19/2024	ND	4.0000	1.4800	**
Silver	ug/L	MW-307	10/03/2024	ND	4.0000	1.4800	**
Silver	ug/L	MW-307	03/25/2025	ND	5.0000	1.4800	**
Silver	ug/L	MW-307	09/15/2025	ND	5.0000	1.4800	**
Thallium	ug/L	MW-307	09/18/2012	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	03/27/2013	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	09/26/2013	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	04/15/2014	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	09/01/2015	ND	1.0000		
Thallium	ug/L	MW-307	03/22/2016		0.0460		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium	ug/L	MW-307	10/21/2016		0.0440		
Thallium	ug/L	MW-307	03/08/2017	ND	0.0644	1.0000	**
Thallium	ug/L	MW-307	09/25/2017	ND	0.0644	1.0000	**
Thallium	ug/L	MW-307	03/13/2018	ND	0.2580	1.0000	**
Thallium	ug/L	MW-307	10/01/2018	ND	0.5700	1.0000	**
Thallium	ug/L	MW-307	03/27/2019	ND	0.2700	1.0000	**
Thallium	ug/L	MW-307	09/23/2019	ND	1.0800	1.0000	**
Thallium	ug/L	MW-307	03/09/2020	ND	0.2600	1.0000	**
Thallium	ug/L	MW-307	09/17/2020	ND	0.2600	1.0000	**
Thallium	ug/L	MW-307	04/16/2021	ND	0.2600	1.0000	**
Thallium	ug/L	MW-307	10/28/2021	ND	0.2600	1.0000	**
Thallium	ug/L	MW-307	04/13/2022	ND	1.0400	1.0000	**
Thallium	ug/L	MW-307	09/01/2022	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	03/06/2023	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	09/29/2023	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	03/19/2024	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	10/03/2024	ND	2.0000	1.0000	**
Thallium	ug/L	MW-307	03/25/2025	ND	0.5000	1.0000	**
Thallium	ug/L	MW-307	09/15/2025	ND	0.5000	1.0000	**
Vanadium	ug/L	MW-307	09/18/2012	ND	50.0000	3.2800	**
Vanadium	ug/L	MW-307	03/27/2013		22.7000		*
Vanadium	ug/L	MW-307	09/26/2013	ND	150.0000	3.2800	**
Vanadium	ug/L	MW-307	04/15/2014	ND	50.0000	3.2800	**
Vanadium	ug/L	MW-307	09/01/2015	ND	5.0000	3.2800	**
Vanadium	ug/L	MW-307	03/22/2016	ND	0.2550	3.2800	**
Vanadium	ug/L	MW-307	10/21/2016	ND	0.2550	3.2800	**
Vanadium	ug/L	MW-307	03/08/2017	ND	0.8400	3.2800	**
Vanadium	ug/L	MW-307	09/25/2017	ND	0.8400	3.2800	**
Vanadium	ug/L	MW-307	03/13/2018	ND	3.3600	3.2800	**
Vanadium	ug/L	MW-307	10/01/2018	ND	2.1500	3.2800	**
Vanadium	ug/L	MW-307	03/27/2019	ND	0.8200	3.2800	**
Vanadium	ug/L	MW-307	09/23/2019	ND	3.2800		
Vanadium	ug/L	MW-307	03/09/2020	ND	0.8200	3.2800	**
Vanadium	ug/L	MW-307	09/17/2020	ND	0.8500	3.2800	**
Vanadium	ug/L	MW-307	04/16/2021	ND	1.1000	3.2800	**
Vanadium	ug/L	MW-307	10/28/2021	ND	1.1000	3.2800	**
Vanadium	ug/L	MW-307	04/13/2022	ND	4.4000	3.2800	**
Vanadium	ug/L	MW-307	09/01/2022	ND	20.0000	3.2800	**
Vanadium	ug/L	MW-307	03/06/2023	ND	20.0000	3.2800	**
Vanadium	ug/L	MW-307	09/29/2023	ND	20.0000	3.2800	**
Vanadium	ug/L	MW-307	03/19/2024	ND	20.0000	3.2800	**
Vanadium	ug/L	MW-307	10/03/2024	ND	20.0000	3.2800	**
Vanadium	ug/L	MW-307	03/25/2025	ND	2.0000	3.2800	**
Vanadium	ug/L	MW-307	09/15/2025	ND	2.0000	3.2800	**
Zinc	ug/L	MW-307	09/18/2012		434.0000		
Zinc	ug/L	MW-307	03/27/2013		663.0000		
Zinc	ug/L	MW-307	09/26/2013		695.0000		
Zinc	ug/L	MW-307	04/15/2014		356.0000		
Zinc	ug/L	MW-307	09/01/2015		338.0000		
Zinc	ug/L	MW-307	03/22/2016		385.0000		
Zinc	ug/L	MW-307	10/21/2016		456.0000		

* - 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	ug/L	MW-307	03/08/2017		492.0000		
Zinc	ug/L	MW-307	09/25/2017		283.0000		
Zinc	ug/L	MW-307	03/13/2018		447.0000		
Zinc	ug/L	MW-307	10/01/2018		424.0000		
Zinc	ug/L	MW-307	03/27/2019		346.0000		
Zinc	ug/L	MW-307	09/23/2019		322.0000		
Zinc	ug/L	MW-307	03/09/2020		308.0000		
Zinc	ug/L	MW-307	09/17/2020		349.0000		
Zinc	ug/L	MW-307	04/16/2021		443.0000		
Zinc	ug/L	MW-307	10/28/2021		10.6000		*
Zinc	ug/L	MW-307	04/13/2022		374.0000		
Zinc	ug/L	MW-307	09/01/2022		271.0000		
Zinc	ug/L	MW-307	03/06/2023		324.0000		
Zinc	ug/L	MW-307	09/29/2023		383.0000		
Zinc	ug/L	MW-307	03/19/2024		304.0000		
Zinc	ug/L	MW-307	10/03/2024		253.0000		
Zinc	ug/L	MW-307	03/25/2025		238.0000		
Zinc	ug/L	MW-307	09/15/2025		311.0000		
Antimony	ug/L	MW-312	09/20/2012	ND	6.0000	1.1000	**
Antimony	ug/L	MW-312	12/12/2012	ND	6.0000	1.1000	**
Antimony	ug/L	MW-312	03/28/2013	ND	6.0000	1.1000	**
Antimony	ug/L	MW-312	06/19/2013	ND	6.0000	1.1000	**
Antimony	ug/L	MW-312	09/26/2013	ND	6.0000	1.1000	**
Antimony	ug/L	MW-312	04/16/2014	ND	6.0000	1.1000	**
Antimony	ug/L	MW-312	09/01/2015	ND	1.0000	1.1000	**
Antimony	ug/L	MW-312	03/22/2016	ND	0.2370	1.1000	**
Antimony	ug/L	MW-312	10/21/2016	ND	0.2370	1.1000	**
Antimony	ug/L	MW-312	03/08/2017	ND	0.1850	1.1000	**
Antimony	ug/L	MW-312	09/25/2017	ND	0.1850	1.1000	**
Antimony	ug/L	MW-312	03/13/2018	ND	0.7400	1.1000	**
Antimony	ug/L	MW-312	10/01/2018	ND	1.3200	1.1000	**
Antimony	ug/L	MW-312	03/27/2019	ND	0.5300	1.1000	**
Antimony	ug/L	MW-312	09/23/2019	ND	0.5300	1.1000	**
Antimony	ug/L	MW-312	03/09/2020	ND	0.5800	1.1000	**
Antimony	ug/L	MW-312	09/15/2020	ND	0.5100	1.1000	**
Antimony	ug/L	MW-312	04/15/2021	ND	1.1000		
Antimony	ug/L	MW-312	10/27/2021	ND	1.1000		
Antimony	ug/L	MW-312	04/14/2022	ND	2.7600	1.1000	**
Antimony	ug/L	MW-312	09/01/2022	ND	2.0000	1.1000	**
Antimony	ug/L	MW-312	03/06/2023	ND	2.0000	1.1000	**
Antimony	ug/L	MW-312	09/29/2023	ND	2.0000	1.1000	**
Antimony	ug/L	MW-312	03/19/2024	ND	2.0000	1.1000	**
Antimony	ug/L	MW-312	10/03/2024	ND	2.0000	1.1000	**
Antimony	ug/L	MW-312	03/25/2025	ND	1.0000	1.1000	**
Antimony	ug/L	MW-312	09/15/2025	ND	1.0000	1.1000	**
Arsenic	ug/L	MW-312	09/20/2012	ND	1.0000	2.0000	**
Arsenic	ug/L	MW-312	12/12/2012	ND	2.0000		
Arsenic	ug/L	MW-312	03/28/2013	ND	1.0000	2.0000	**
Arsenic	ug/L	MW-312	06/19/2013	ND	3.0000	2.0000	**
Arsenic	ug/L	MW-312	09/26/2013		2.3200		
Arsenic	ug/L	MW-312	04/16/2014	ND	1.0000	2.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic	ug/L	MW-312	09/01/2015	ND	2.0000		
Arsenic	ug/L	MW-312	03/22/2016	ND	0.6720	2.0000	**
Arsenic	ug/L	MW-312	10/21/2016		1.4300		
Arsenic	ug/L	MW-312	03/08/2017		1.0200		
Arsenic	ug/L	MW-312	09/25/2017		1.2300		
Arsenic	ug/L	MW-312	03/13/2018	ND	2.0200	2.0000	**
Arsenic	ug/L	MW-312	10/01/2018		1.8400		
Arsenic	ug/L	MW-312	03/27/2019		1.1300		
Arsenic	ug/L	MW-312	09/23/2019		1.2200		
Arsenic	ug/L	MW-312	03/09/2020	ND	0.8800	2.0000	**
Arsenic	ug/L	MW-312	09/15/2020		2.1500		
Arsenic	ug/L	MW-312	04/15/2021		1.2800		
Arsenic	ug/L	MW-312	10/27/2021		1.2900		
Arsenic	ug/L	MW-312	04/14/2022	ND	3.0000	2.0000	**
Arsenic	ug/L	MW-312	09/01/2022	ND	4.0000	2.0000	**
Arsenic	ug/L	MW-312	03/06/2023	ND	4.0000	2.0000	**
Arsenic	ug/L	MW-312	09/29/2023	ND	4.0000	2.0000	**
Arsenic	ug/L	MW-312	03/19/2024	ND	4.0000	2.0000	**
Arsenic	ug/L	MW-312	10/03/2024	ND	4.0000	2.0000	**
Arsenic	ug/L	MW-312	03/25/2025	ND	2.0000		
Arsenic	ug/L	MW-312	09/15/2025	ND	2.0000		
Barium	ug/L	MW-312	09/20/2012		16.6000		
Barium	ug/L	MW-312	12/12/2012		18.5000		
Barium	ug/L	MW-312	03/28/2013		12.3000		
Barium	ug/L	MW-312	06/19/2013		16.7000		
Barium	ug/L	MW-312	09/26/2013		8.4700		
Barium	ug/L	MW-312	04/16/2014		10.7000		
Barium	ug/L	MW-312	09/01/2015		15.4000		
Barium	ug/L	MW-312	03/22/2016		24.9000		
Barium	ug/L	MW-312	10/21/2016		13.8000		
Barium	ug/L	MW-312	03/08/2017		14.1000		
Barium	ug/L	MW-312	09/25/2017		16.5000		
Barium	ug/L	MW-312	03/13/2018		12.8000		
Barium	ug/L	MW-312	10/01/2018		13.4000		
Barium	ug/L	MW-312	03/27/2019		14.6000		
Barium	ug/L	MW-312	09/23/2019		11.1000		
Barium	ug/L	MW-312	03/09/2020		14.9000		
Barium	ug/L	MW-312	09/15/2020		13.6000		
Barium	ug/L	MW-312	04/15/2021		12.5000		
Barium	ug/L	MW-312	10/27/2021		11.9000		
Barium	ug/L	MW-312	04/14/2022		14.6000		
Barium	ug/L	MW-312	09/01/2022		23.9000		
Barium	ug/L	MW-312	03/06/2023		25.3000		
Barium	ug/L	MW-312	09/29/2023		22.9000		
Barium	ug/L	MW-312	03/19/2024		24.3000		
Barium	ug/L	MW-312	10/03/2024		24.9000		
Barium	ug/L	MW-312	03/25/2025		25.6000		
Barium	ug/L	MW-312	09/15/2025		23.3000		
Beryllium	ug/L	MW-312	09/20/2012	ND	1.0000		
Beryllium	ug/L	MW-312	12/12/2012	ND	1.0000		
Beryllium	ug/L	MW-312	03/28/2013	ND	1.0000		

* - 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	ug/L	MW-312	06/19/2013	ND	1.0000		
Beryllium	ug/L	MW-312	09/26/2013		0.2800		
Beryllium	ug/L	MW-312	04/16/2014	ND	1.0000		
Beryllium	ug/L	MW-312	09/01/2015	ND	1.0000		
Beryllium	ug/L	MW-312	03/22/2016	ND	0.2210	1.0000	**
Beryllium	ug/L	MW-312	10/21/2016	ND	0.2210	1.0000	**
Beryllium	ug/L	MW-312	03/08/2017		0.1430		
Beryllium	ug/L	MW-312	09/25/2017		0.1980		
Beryllium	ug/L	MW-312	03/13/2018	ND	0.5000	1.0000	**
Beryllium	ug/L	MW-312	10/01/2018	ND	0.5300	1.0000	**
Beryllium	ug/L	MW-312	03/27/2019	ND	0.2700	1.0000	**
Beryllium	ug/L	MW-312	09/23/2019		0.3180		
Beryllium	ug/L	MW-312	03/09/2020	ND	0.2700	1.0000	**
Beryllium	ug/L	MW-312	09/15/2020	ND	0.2700	1.0000	**
Beryllium	ug/L	MW-312	04/15/2021		0.3120		
Beryllium	ug/L	MW-312	10/27/2021		0.2750		
Beryllium	ug/L	MW-312	04/14/2022	ND	1.0800	1.0000	**
Beryllium	ug/L	MW-312	09/01/2022	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-312	03/06/2023	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-312	09/29/2023	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-312	03/19/2024	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-312	10/03/2024	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-312	03/25/2025	ND	0.5000	1.0000	**
Beryllium	ug/L	MW-312	09/15/2025	ND	0.5000	1.0000	**
Cadmium	ug/L	MW-312	09/20/2012	ND	0.5000		
Cadmium	ug/L	MW-312	12/12/2012	ND	0.5000		
Cadmium	ug/L	MW-312	03/28/2013	ND	0.5000		
Cadmium	ug/L	MW-312	06/19/2013		0.2460		
Cadmium	ug/L	MW-312	09/26/2013	ND	0.5000		
Cadmium	ug/L	MW-312	04/16/2014	ND	0.5000		
Cadmium	ug/L	MW-312	09/01/2015	ND	0.5000		
Cadmium	ug/L	MW-312	03/22/2016		0.0670		
Cadmium	ug/L	MW-312	10/21/2016	ND	0.0351	0.5000	**
Cadmium	ug/L	MW-312	03/08/2017	ND	0.0441	0.5000	**
Cadmium	ug/L	MW-312	09/25/2017	ND	0.0441	0.5000	**
Cadmium	ug/L	MW-312	03/13/2018	ND	0.1760	0.5000	**
Cadmium	ug/L	MW-312	10/01/2018	ND	0.1670	0.5000	**
Cadmium	ug/L	MW-312	03/27/2019	ND	0.0770	0.5000	**
Cadmium	ug/L	MW-312	09/23/2019	ND	0.0390	0.5000	**
Cadmium	ug/L	MW-312	03/09/2020		0.0680		
Cadmium	ug/L	MW-312	09/15/2020	ND	0.0490	0.5000	**
Cadmium	ug/L	MW-312	04/15/2021	ND	0.0510	0.5000	**
Cadmium	ug/L	MW-312	10/27/2021	ND	0.0510	0.5000	**
Cadmium	ug/L	MW-312	04/14/2022	ND	0.2200	0.5000	**
Cadmium	ug/L	MW-312	09/01/2022	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-312	03/06/2023	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-312	09/29/2023	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-312	03/19/2024	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-312	10/03/2024	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-312	03/25/2025	ND	0.2000	0.5000	**
Cadmium	ug/L	MW-312	09/15/2025		0.2000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium	ug/L	MW-312	09/20/2012	ND	20.0000	3.9200	**
Chromium	ug/L	MW-312	12/12/2012	ND	20.0000	3.9200	**
Chromium	ug/L	MW-312	03/28/2013	ND	20.0000	3.9200	**
Chromium	ug/L	MW-312	06/19/2013	ND	20.0000	3.9200	**
Chromium	ug/L	MW-312	09/26/2013		3.9000		
Chromium	ug/L	MW-312	04/16/2014	ND	20.0000	3.9200	**
Chromium	ug/L	MW-312	09/01/2015	ND	5.0000	3.9200	**
Chromium	ug/L	MW-312	03/22/2016	ND	0.3550	3.9200	**
Chromium	ug/L	MW-312	10/21/2016	ND	0.3550	3.9200	**
Chromium	ug/L	MW-312	03/08/2017	ND	0.7290	3.9200	**
Chromium	ug/L	MW-312	09/25/2017	ND	0.7290	3.9200	**
Chromium	ug/L	MW-312	03/13/2018	ND	2.9200	3.9200	**
Chromium	ug/L	MW-312	10/01/2018		1.2600		
Chromium	ug/L	MW-312	03/27/2019	ND	0.9800	3.9200	**
Chromium	ug/L	MW-312	09/23/2019	ND	0.9800	3.9200	**
Chromium	ug/L	MW-312	03/09/2020	ND	1.1000	3.9200	**
Chromium	ug/L	MW-312	09/15/2020	ND	1.1000	3.9200	**
Chromium	ug/L	MW-312	04/15/2021	ND	1.1000	3.9200	**
Chromium	ug/L	MW-312	10/27/2021	ND	1.1000	3.9200	**
Chromium	ug/L	MW-312	04/14/2022	ND	4.4000	3.9200	**
Chromium	ug/L	MW-312	09/01/2022	ND	8.0000	3.9200	**
Chromium	ug/L	MW-312	03/06/2023	ND	8.0000	3.9200	**
Chromium	ug/L	MW-312	09/29/2023	ND	8.0000	3.9200	**
Chromium	ug/L	MW-312	03/19/2024	ND	8.0000	3.9200	**
Chromium	ug/L	MW-312	10/03/2024	ND	8.0000	3.9200	**
Chromium	ug/L	MW-312	03/25/2025	ND	1.0000	3.9200	**
Chromium	ug/L	MW-312	09/15/2025	ND	1.0000	3.9200	**
Cobalt	ug/L	MW-312	09/20/2012		36.2000		
Cobalt	ug/L	MW-312	12/12/2012		34.3000		
Cobalt	ug/L	MW-312	03/28/2013		54.5000		
Cobalt	ug/L	MW-312	06/19/2013		43.7000		
Cobalt	ug/L	MW-312	09/26/2013		44.9000		
Cobalt	ug/L	MW-312	04/16/2014		20.8000		
Cobalt	ug/L	MW-312	09/01/2015		32.4000		
Cobalt	ug/L	MW-312	03/22/2016		37.1000		
Cobalt	ug/L	MW-312	10/21/2016		36.4000		
Cobalt	ug/L	MW-312	03/08/2017		35.0000		
Cobalt	ug/L	MW-312	09/25/2017		30.3000		
Cobalt	ug/L	MW-312	03/13/2018		24.1000		
Cobalt	ug/L	MW-312	10/01/2018		29.8000		
Cobalt	ug/L	MW-312	03/27/2019		32.7000		
Cobalt	ug/L	MW-312	09/23/2019		34.9000		
Cobalt	ug/L	MW-312	03/09/2020		34.7000		
Cobalt	ug/L	MW-312	09/15/2020		41.4000		
Cobalt	ug/L	MW-312	04/15/2021		52.3000		
Cobalt	ug/L	MW-312	10/27/2021		38.6000		
Cobalt	ug/L	MW-312	04/14/2022		47.4000		
Cobalt	ug/L	MW-312	09/01/2022		34.0000		
Cobalt	ug/L	MW-312	03/06/2023		44.8000		
Cobalt	ug/L	MW-312	09/29/2023		42.9000		
Cobalt	ug/L	MW-312	03/19/2024		44.2000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt	ug/L	MW-312	10/03/2024		38.9000		
Cobalt	ug/L	MW-312	03/25/2025		36.7000		
Cobalt	ug/L	MW-312	09/15/2025		40.5000		
Copper	ug/L	MW-312	09/20/2012	ND	20.0000	4.0000	**
Copper	ug/L	MW-312	12/12/2012	ND	20.0000	4.0000	**
Copper	ug/L	MW-312	03/28/2013		2.1900		
Copper	ug/L	MW-312	06/19/2013	ND	20.0000	4.0000	**
Copper	ug/L	MW-312	09/26/2013	ND	20.0000	4.0000	**
Copper	ug/L	MW-312	04/16/2014	ND	20.0000	4.0000	**
Copper	ug/L	MW-312	09/01/2015	ND	2.0000	4.0000	**
Copper	ug/L	MW-312	03/22/2016	ND	1.2200	4.0000	**
Copper	ug/L	MW-312	10/21/2016	ND	1.2200	4.0000	**
Copper	ug/L	MW-312	03/08/2017	ND	2.1900	4.0000	**
Copper	ug/L	MW-312	09/25/2017	ND	2.1900	4.0000	**
Copper	ug/L	MW-312	03/13/2018	ND	8.7600	4.0000	**
Copper	ug/L	MW-312	10/01/2018		1.1800		
Copper	ug/L	MW-312	03/27/2019	ND	2.0000	4.0000	**
Copper	ug/L	MW-312	09/23/2019	ND	2.0000	4.0000	**
Copper	ug/L	MW-312	03/09/2020	ND	3.2000	4.0000	**
Copper	ug/L	MW-312	09/15/2020	ND	1.5000	4.0000	**
Copper	ug/L	MW-312	04/15/2021	ND	1.4000	4.0000	**
Copper	ug/L	MW-312	10/27/2021	ND	1.4000	4.0000	**
Copper	ug/L	MW-312	04/14/2022		7.9900		
Copper	ug/L	MW-312	09/01/2022	ND	4.0000		
Copper	ug/L	MW-312	03/06/2023	ND	4.0000		
Copper	ug/L	MW-312	09/29/2023	ND	4.0000		
Copper	ug/L	MW-312	03/19/2024	ND	4.0000		
Copper	ug/L	MW-312	10/03/2024	ND	4.0000		
Copper	ug/L	MW-312	03/25/2025	ND	5.0000	4.0000	**
Copper	ug/L	MW-312	09/15/2025	ND	5.0000	4.0000	**
Lead	ug/L	MW-312	09/20/2012	ND	4.0000	1.0800	**
Lead	ug/L	MW-312	12/12/2012	ND	4.0000	1.0800	**
Lead	ug/L	MW-312	03/28/2013	ND	4.0000	1.0800	**
Lead	ug/L	MW-312	06/19/2013		1.6700		
Lead	ug/L	MW-312	09/26/2013	ND	4.0000	1.0800	**
Lead	ug/L	MW-312	04/16/2014	ND	4.0000	1.0800	**
Lead	ug/L	MW-312	09/01/2015	ND	0.5000	1.0800	**
Lead	ug/L	MW-312	03/22/2016	ND	0.2110	1.0800	**
Lead	ug/L	MW-312	10/21/2016	ND	0.2110	1.0800	**
Lead	ug/L	MW-312	03/08/2017	ND	0.3240	1.0800	**
Lead	ug/L	MW-312	09/25/2017	ND	0.3240	1.0800	**
Lead	ug/L	MW-312	03/13/2018	ND	1.3000	1.0800	**
Lead	ug/L	MW-312	10/01/2018	ND	0.1860	1.0800	**
Lead	ug/L	MW-312	03/27/2019	ND	0.2700	1.0800	**
Lead	ug/L	MW-312	09/23/2019		0.2740		
Lead	ug/L	MW-312	03/09/2020	ND	0.2700	1.0800	**
Lead	ug/L	MW-312	09/15/2020		0.1770		
Lead	ug/L	MW-312	04/15/2021	ND	0.2100	1.0800	**
Lead	ug/L	MW-312	10/27/2021		1.4100		
Lead	ug/L	MW-312	04/14/2022	ND	0.9600	1.0800	**
Lead	ug/L	MW-312	09/01/2022	ND	4.0000	1.0800	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead	ug/L	MW-312	03/06/2023	ND	4.0000	1.0800	**
Lead	ug/L	MW-312	09/29/2023	ND	4.0000	1.0800	**
Lead	ug/L	MW-312	03/19/2024	ND	4.0000	1.0800	**
Lead	ug/L	MW-312	10/03/2024	ND	4.0000	1.0800	**
Lead	ug/L	MW-312	03/25/2025	ND	1.0000	1.0800	**
Lead	ug/L	MW-312	09/15/2025	ND	1.0000	1.0800	**
Nickel	ug/L	MW-312	09/20/2012		89.5000		
Nickel	ug/L	MW-312	12/12/2012		82.0000		
Nickel	ug/L	MW-312	03/28/2013		121.0000		
Nickel	ug/L	MW-312	06/19/2013		119.0000		
Nickel	ug/L	MW-312	09/26/2013		117.0000		
Nickel	ug/L	MW-312	04/16/2014		101.0000		
Nickel	ug/L	MW-312	09/01/2015		108.0000		
Nickel	ug/L	MW-312	03/22/2016		45.0000		
Nickel	ug/L	MW-312	10/21/2016		94.4000		
Nickel	ug/L	MW-312	03/08/2017		100.0000		
Nickel	ug/L	MW-312	09/25/2017		80.1000		
Nickel	ug/L	MW-312	03/13/2018		88.8000		
Nickel	ug/L	MW-312	10/01/2018		91.6000		
Nickel	ug/L	MW-312	03/27/2019		101.0000		
Nickel	ug/L	MW-312	09/23/2019		120.0000		
Nickel	ug/L	MW-312	03/09/2020		85.8000		
Nickel	ug/L	MW-312	09/15/2020		119.0000		
Nickel	ug/L	MW-312	04/15/2021		150.0000		
Nickel	ug/L	MW-312	10/27/2021		128.0000		
Nickel	ug/L	MW-312	04/14/2022		141.0000		
Nickel	ug/L	MW-312	09/01/2022		64.5000		
Nickel	ug/L	MW-312	03/06/2023		64.8000		
Nickel	ug/L	MW-312	09/29/2023		72.1000		
Nickel	ug/L	MW-312	03/19/2024		58.4000		
Nickel	ug/L	MW-312	10/03/2024		57.6000		
Nickel	ug/L	MW-312	03/25/2025		53.0000		
Nickel	ug/L	MW-312	09/15/2025		64.5000		
Selenium	ug/L	MW-312	09/20/2012	ND	5.0000	3.8400	**
Selenium	ug/L	MW-312	12/12/2012	ND	5.0000	3.8400	**
Selenium	ug/L	MW-312	03/28/2013	ND	5.0000	3.8400	**
Selenium	ug/L	MW-312	06/19/2013	ND	5.0000	3.8400	**
Selenium	ug/L	MW-312	09/26/2013	ND	5.0000	3.8400	**
Selenium	ug/L	MW-312	04/16/2014	ND	5.0000	3.8400	**
Selenium	ug/L	MW-312	09/01/2015	ND	5.0000	3.8400	**
Selenium	ug/L	MW-312	03/22/2016	ND	0.6300	3.8400	**
Selenium	ug/L	MW-312	10/21/2016	ND	0.6300	3.8400	**
Selenium	ug/L	MW-312	03/08/2017	ND	0.9280	3.8400	**
Selenium	ug/L	MW-312	09/25/2017	ND	0.9280	3.8400	**
Selenium	ug/L	MW-312	03/13/2018	ND	3.7100	3.8400	**
Selenium	ug/L	MW-312	10/01/2018	ND	0.9820	3.8400	**
Selenium	ug/L	MW-312	03/27/2019	ND	1.0000	3.8400	**
Selenium	ug/L	MW-312	09/23/2019	ND	1.0000	3.8400	**
Selenium	ug/L	MW-312	03/09/2020	ND	1.0000	3.8400	**
Selenium	ug/L	MW-312	09/15/2020	ND	1.0000	3.8400	**
Selenium	ug/L	MW-312	04/15/2021	ND	0.9600	3.8400	**

* - 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	ug/L	MW-312	10/27/2021	ND	0.9600	3.8400	**
Selenium	ug/L	MW-312	04/14/2022	ND	3.8400		
Selenium	ug/L	MW-312	09/01/2022	ND	4.0000	3.8400	**
Selenium	ug/L	MW-312	03/06/2023	ND	4.0000	3.8400	**
Selenium	ug/L	MW-312	09/29/2023	ND	4.0000	3.8400	**
Selenium	ug/L	MW-312	03/19/2024	ND	4.0000	3.8400	**
Selenium	ug/L	MW-312	10/03/2024	ND	4.0000	3.8400	**
Selenium	ug/L	MW-312	03/25/2025	ND	2.0000	3.8400	**
Selenium	ug/L	MW-312	09/15/2025	ND	2.0000	3.8400	**
Silver	ug/L	MW-312	09/20/2012	ND	20.0000	1.4800	**
Silver	ug/L	MW-312	12/12/2012	ND	20.0000	1.4800	**
Silver	ug/L	MW-312	03/28/2013	ND	20.0000	1.4800	**
Silver	ug/L	MW-312	06/19/2013	ND	20.0000	1.4800	**
Silver	ug/L	MW-312	09/26/2013	ND	20.0000	1.4800	**
Silver	ug/L	MW-312	04/16/2014	ND	20.0000	1.4800	**
Silver	ug/L	MW-312	09/01/2015	ND	1.0000	1.4800	**
Silver	ug/L	MW-312	03/22/2016	ND	0.1530	1.4800	**
Silver	ug/L	MW-312	10/21/2016	ND	0.1530	1.4800	**
Silver	ug/L	MW-312	03/08/2017	ND	0.1400	1.4800	**
Silver	ug/L	MW-312	09/25/2017	ND	0.1400	1.4800	**
Silver	ug/L	MW-312	03/13/2018	ND	0.5600	1.4800	**
Silver	ug/L	MW-312	10/01/2018	ND	0.1150	1.4800	**
Silver	ug/L	MW-312	03/27/2019	ND	0.3700	1.4800	**
Silver	ug/L	MW-312	09/23/2019	ND	0.3700	1.4800	**
Silver	ug/L	MW-312	03/09/2020	ND	0.3700	1.4800	**
Silver	ug/L	MW-312	09/15/2020	ND	0.3700	1.4800	**
Silver	ug/L	MW-312	04/15/2021	ND	0.4200	1.4800	**
Silver	ug/L	MW-312	10/27/2021	ND	0.4200	1.4800	**
Silver	ug/L	MW-312	04/14/2022	ND	1.9600	1.4800	**
Silver	ug/L	MW-312	09/01/2022	ND	4.0000	1.4800	**
Silver	ug/L	MW-312	03/06/2023	ND	4.0000	1.4800	**
Silver	ug/L	MW-312	09/29/2023	ND	4.0000	1.4800	**
Silver	ug/L	MW-312	03/19/2024	ND	4.0000	1.4800	**
Silver	ug/L	MW-312	10/03/2024	ND	4.0000	1.4800	**
Silver	ug/L	MW-312	03/25/2025	ND	5.0000	1.4800	**
Silver	ug/L	MW-312	09/15/2025	ND	5.0000	1.4800	**
Thallium	ug/L	MW-312	09/20/2012	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	12/12/2012	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	03/28/2013	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	06/19/2013	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	09/26/2013	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	04/16/2014	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	09/01/2015	ND	1.0000		
Thallium	ug/L	MW-312	03/22/2016		0.0650		
Thallium	ug/L	MW-312	10/21/2016	ND	0.0255	1.0000	**
Thallium	ug/L	MW-312	03/08/2017	ND	0.0644	1.0000	**
Thallium	ug/L	MW-312	09/25/2017	ND	0.0644	1.0000	**
Thallium	ug/L	MW-312	03/13/2018	ND	0.2580	1.0000	**
Thallium	ug/L	MW-312	10/01/2018	ND	0.5700	1.0000	**
Thallium	ug/L	MW-312	03/27/2019	ND	0.2700	1.0000	**
Thallium	ug/L	MW-312	09/23/2019	ND	0.2700	1.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium	ug/L	MW-312	03/09/2020	ND	0.2600	1.0000	**
Thallium	ug/L	MW-312	09/15/2020	ND	0.2600	1.0000	**
Thallium	ug/L	MW-312	04/15/2021	ND	0.2600	1.0000	**
Thallium	ug/L	MW-312	10/27/2021	ND	0.2600	1.0000	**
Thallium	ug/L	MW-312	04/14/2022	ND	1.0400	1.0000	**
Thallium	ug/L	MW-312	09/01/2022	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	03/06/2023	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	09/29/2023	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	03/19/2024	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	10/03/2024	ND	2.0000	1.0000	**
Thallium	ug/L	MW-312	03/25/2025	ND	0.5000	1.0000	**
Thallium	ug/L	MW-312	09/15/2025	ND	0.5000	1.0000	**
Vanadium	ug/L	MW-312	09/20/2012	ND	50.0000	3.2800	**
Vanadium	ug/L	MW-312	12/12/2012	ND	50.0000	3.2800	**
Vanadium	ug/L	MW-312	03/28/2013	ND	50.0000	3.2800	**
Vanadium	ug/L	MW-312	06/19/2013	ND	50.0000	3.2800	**
Vanadium	ug/L	MW-312	09/26/2013	ND	50.0000	3.2800	**
Vanadium	ug/L	MW-312	04/16/2014	ND	50.0000	3.2800	**
Vanadium	ug/L	MW-312	09/01/2015	ND	5.0000	3.2800	**
Vanadium	ug/L	MW-312	03/22/2016	ND	0.2550	3.2800	**
Vanadium	ug/L	MW-312	10/21/2016	ND	0.2550	3.2800	**
Vanadium	ug/L	MW-312	03/08/2017	ND	0.8400	3.2800	**
Vanadium	ug/L	MW-312	09/25/2017	ND	0.8400	3.2800	**
Vanadium	ug/L	MW-312	03/13/2018	ND	3.3600	3.2800	**
Vanadium	ug/L	MW-312	10/01/2018	ND	2.1500	3.2800	**
Vanadium	ug/L	MW-312	03/27/2019	ND	0.8200	3.2800	**
Vanadium	ug/L	MW-312	09/23/2019	ND	0.8200	3.2800	**
Vanadium	ug/L	MW-312	03/09/2020	ND	0.8200	3.2800	**
Vanadium	ug/L	MW-312	09/15/2020	ND	0.8500	3.2800	**
Vanadium	ug/L	MW-312	04/15/2021	ND	1.1000	3.2800	**
Vanadium	ug/L	MW-312	10/27/2021	ND	1.1000	3.2800	**
Vanadium	ug/L	MW-312	04/14/2022	ND	4.4000	3.2800	**
Vanadium	ug/L	MW-312	09/01/2022	ND	20.0000	3.2800	**
Vanadium	ug/L	MW-312	03/06/2023	ND	20.0000	3.2800	**
Vanadium	ug/L	MW-312	09/29/2023	ND	20.0000	3.2800	**
Vanadium	ug/L	MW-312	03/19/2024	ND	20.0000	3.2800	**
Vanadium	ug/L	MW-312	10/03/2024	ND	20.0000	3.2800	**
Vanadium	ug/L	MW-312	03/25/2025	ND	2.0000	3.2800	**
Vanadium	ug/L	MW-312	09/15/2025	ND	2.0000	3.2800	**
Zinc	ug/L	MW-312	09/20/2012	ND	20.0000		
Zinc	ug/L	MW-312	12/12/2012		85.0000		
Zinc	ug/L	MW-312	03/28/2013		84.9000		
Zinc	ug/L	MW-312	06/19/2013		70.1000		
Zinc	ug/L	MW-312	09/26/2013		209.0000		
Zinc	ug/L	MW-312	04/16/2014	ND	60.0000	20.0000	**
Zinc	ug/L	MW-312	09/01/2015	ND	10.0000	20.0000	**
Zinc	ug/L	MW-312	03/22/2016		6.8000		
Zinc	ug/L	MW-312	10/21/2016		12.3000		
Zinc	ug/L	MW-312	03/08/2017		17.6000		
Zinc	ug/L	MW-312	09/25/2017	ND	11.5000	20.0000	**
Zinc	ug/L	MW-312	03/13/2018	ND	46.0000	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	ug/L	MW-312	10/01/2018		10.0000		
Zinc	ug/L	MW-312	03/27/2019	ND	10.0000	20.0000	**
Zinc	ug/L	MW-312	09/23/2019	ND	10.0000	20.0000	**
Zinc	ug/L	MW-312	03/09/2020	ND	10.0000	20.0000	**
Zinc	ug/L	MW-312	09/15/2020		12.9000		
Zinc	ug/L	MW-312	04/15/2021	ND	10.0000	20.0000	**
Zinc	ug/L	MW-312	10/27/2021	ND	10.0000	20.0000	**
Zinc	ug/L	MW-312	04/14/2022	ND	40.0000	20.0000	**
Zinc	ug/L	MW-312	09/01/2022	ND	20.0000		
Zinc	ug/L	MW-312	03/06/2023	ND	20.0000		
Zinc	ug/L	MW-312	09/29/2023	ND	20.0000		
Zinc	ug/L	MW-312	03/19/2024	ND	20.0000		
Zinc	ug/L	MW-312	10/03/2024	ND	20.0000		
Zinc	ug/L	MW-312	03/25/2025		8.9000		
Zinc	ug/L	MW-312	09/15/2025		17.2000		
Antimony	ug/L	MW-390	09/18/2012	ND	6.0000	1.1000	**
Antimony	ug/L	MW-390	03/27/2013	ND	6.0000	1.1000	**
Antimony	ug/L	MW-390	09/25/2013	ND	6.0000	1.1000	**
Antimony	ug/L	MW-390	04/15/2014	ND	6.0000	1.1000	**
Antimony	ug/L	MW-390	09/01/2015	ND	1.0000	1.1000	**
Antimony	ug/L	MW-390	03/22/2016	ND	0.2370	1.1000	**
Antimony	ug/L	MW-390	10/21/2016	ND	0.2370	1.1000	**
Antimony	ug/L	MW-390	03/08/2017	ND	0.1850	1.1000	**
Antimony	ug/L	MW-390	09/25/2017	ND	0.1850	1.1000	**
Antimony	ug/L	MW-390	03/13/2018	ND	0.7400	1.1000	**
Antimony	ug/L	MW-390	10/01/2018	ND	1.3200	1.1000	**
Antimony	ug/L	MW-390	03/27/2019	ND	0.5300	1.1000	**
Antimony	ug/L	MW-390	09/23/2019	ND	2.1200	1.1000	**
Antimony	ug/L	MW-390	03/09/2020	ND	0.5800	1.1000	**
Antimony	ug/L	MW-390	09/17/2020	ND	0.5100	1.1000	**
Antimony	ug/L	MW-390	04/14/2021	ND	1.1000		
Antimony	ug/L	MW-390	10/26/2021	ND	1.1000		
Antimony	ug/L	MW-390	04/14/2022	ND	2.7600	1.1000	**
Antimony	ug/L	MW-390	09/01/2022	ND	2.0000	1.1000	**
Antimony	ug/L	MW-390	03/06/2023	ND	2.0000	1.1000	**
Antimony	ug/L	MW-390	09/29/2023	ND	2.0000	1.1000	**
Antimony	ug/L	MW-390	03/18/2024	ND	2.0000	1.1000	**
Antimony	ug/L	MW-390	10/03/2024	ND	2.0000	1.1000	**
Antimony	ug/L	MW-390	03/25/2025	ND	1.0000	1.1000	**
Antimony	ug/L	MW-390	09/15/2025	ND	1.0000	1.1000	**
Arsenic	ug/L	MW-390	09/18/2012		13.9000		
Arsenic	ug/L	MW-390	03/27/2013		14.0000		
Arsenic	ug/L	MW-390	09/25/2013		14.7000		
Arsenic	ug/L	MW-390	04/15/2014		17.6000		
Arsenic	ug/L	MW-390	09/01/2015		22.3000		
Arsenic	ug/L	MW-390	03/22/2016		16.7000		
Arsenic	ug/L	MW-390	10/21/2016		13.7000		
Arsenic	ug/L	MW-390	03/08/2017		7.2500		
Arsenic	ug/L	MW-390	09/25/2017		13.6000		
Arsenic	ug/L	MW-390	03/13/2018		14.7000		
Arsenic	ug/L	MW-390	10/01/2018		13.9000		

* - 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	
Arsenic	ug/L	MW-390	03/27/2019		15.0000		
Arsenic	ug/L	MW-390	09/23/2019		19.7000		
Arsenic	ug/L	MW-390	03/09/2020		19.0000		
Arsenic	ug/L	MW-390	09/17/2020		14.8000		
Arsenic	ug/L	MW-390	04/14/2021		15.7000		
Arsenic	ug/L	MW-390	10/26/2021		11.3000		
Arsenic	ug/L	MW-390	04/14/2022		22.5000		
Arsenic	ug/L	MW-390	09/01/2022		19.4000		
Arsenic	ug/L	MW-390	03/06/2023		16.3000		
Arsenic	ug/L	MW-390	09/29/2023		16.0000		
Arsenic	ug/L	MW-390	03/18/2024		17.3000		
Arsenic	ug/L	MW-390	10/03/2024		18.3000		
Arsenic	ug/L	MW-390	03/25/2025		17.5000		
Arsenic	ug/L	MW-390	09/15/2025		16.6000		
Barium	ug/L	MW-390	09/18/2012		30.6000		
Barium	ug/L	MW-390	03/27/2013		23.5000		
Barium	ug/L	MW-390	09/25/2013		29.7000		
Barium	ug/L	MW-390	04/15/2014		13.0000		
Barium	ug/L	MW-390	09/01/2015		49.9000		
Barium	ug/L	MW-390	03/22/2016		36.1000		
Barium	ug/L	MW-390	10/21/2016		28.8000		
Barium	ug/L	MW-390	03/08/2017		17.8000		
Barium	ug/L	MW-390	09/25/2017		28.2000		
Barium	ug/L	MW-390	03/13/2018		21.5000		
Barium	ug/L	MW-390	10/01/2018		26.6000		
Barium	ug/L	MW-390	03/27/2019		30.0000		
Barium	ug/L	MW-390	09/23/2019		29.3000		
Barium	ug/L	MW-390	03/09/2020		26.9000		
Barium	ug/L	MW-390	09/17/2020		26.0000		
Barium	ug/L	MW-390	04/14/2021		26.1000		
Barium	ug/L	MW-390	10/26/2021		25.4000		
Barium	ug/L	MW-390	04/14/2022		19.0000		
Barium	ug/L	MW-390	09/01/2022		14.9000		
Barium	ug/L	MW-390	03/06/2023		17.3000		
Barium	ug/L	MW-390	09/29/2023		12.9000		
Barium	ug/L	MW-390	03/18/2024		17.0000		
Barium	ug/L	MW-390	10/03/2024		16.3000		
Barium	ug/L	MW-390	03/25/2025		16.5000		
Barium	ug/L	MW-390	09/15/2025		18.7000		
Beryllium	ug/L	MW-390	09/18/2012	ND	1.0000		
Beryllium	ug/L	MW-390	03/27/2013	ND	1.0000		
Beryllium	ug/L	MW-390	09/25/2013		0.2000		
Beryllium	ug/L	MW-390	04/15/2014	ND	1.0000		
Beryllium	ug/L	MW-390	09/01/2015	ND	1.0000		
Beryllium	ug/L	MW-390	03/22/2016	ND	0.2210	1.0000	**
Beryllium	ug/L	MW-390	10/21/2016	ND	0.2210	1.0000	**
Beryllium	ug/L	MW-390	03/08/2017	ND	0.1250	1.0000	**
Beryllium	ug/L	MW-390	09/25/2017	ND	0.1250	1.0000	**
Beryllium	ug/L	MW-390	03/13/2018	ND	0.5000	1.0000	**
Beryllium	ug/L	MW-390	10/01/2018	ND	0.5300	1.0000	**
Beryllium	ug/L	MW-390	03/27/2019	ND	0.2700	1.0000	**

* - 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	ug/L	MW-390	09/23/2019	ND	1.0800	1.0000	**
Beryllium	ug/L	MW-390	03/09/2020	ND	0.2700	1.0000	**
Beryllium	ug/L	MW-390	09/17/2020	ND	0.5400	1.0000	**
Beryllium	ug/L	MW-390	04/14/2021	ND	0.2700	1.0000	**
Beryllium	ug/L	MW-390	10/26/2021	ND	0.2700	1.0000	**
Beryllium	ug/L	MW-390	04/14/2022	ND	1.0800	1.0000	**
Beryllium	ug/L	MW-390	09/01/2022	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-390	03/06/2023	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-390	09/29/2023	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-390	03/18/2024	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-390	10/03/2024	ND	4.0000	1.0000	**
Beryllium	ug/L	MW-390	03/25/2025	ND	0.5000	1.0000	**
Beryllium	ug/L	MW-390	09/15/2025	ND	0.5000	1.0000	**
Cadmium	ug/L	MW-390	09/18/2012		0.6620		
Cadmium	ug/L	MW-390	03/27/2013		0.2810		
Cadmium	ug/L	MW-390	09/25/2013	ND	0.5000		
Cadmium	ug/L	MW-390	04/15/2014		0.3260		
Cadmium	ug/L	MW-390	09/01/2015	ND	0.5000		
Cadmium	ug/L	MW-390	03/22/2016	ND	0.0351	0.5000	**
Cadmium	ug/L	MW-390	10/21/2016		0.3020		
Cadmium	ug/L	MW-390	03/08/2017		0.0770		
Cadmium	ug/L	MW-390	09/25/2017	ND	0.0441	0.5000	**
Cadmium	ug/L	MW-390	03/13/2018	ND	0.1760	0.5000	**
Cadmium	ug/L	MW-390	10/01/2018	ND	0.1670	0.5000	**
Cadmium	ug/L	MW-390	03/27/2019	ND	0.0770	0.5000	**
Cadmium	ug/L	MW-390	09/23/2019		1.1200		
Cadmium	ug/L	MW-390	03/09/2020		0.4670		
Cadmium	ug/L	MW-390	09/17/2020		0.1080		
Cadmium	ug/L	MW-390	04/14/2021		0.5250		
Cadmium	ug/L	MW-390	10/26/2021		0.3080		
Cadmium	ug/L	MW-390	04/14/2022		1.1900		
Cadmium	ug/L	MW-390	09/01/2022	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-390	03/06/2023	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-390	09/29/2023	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-390	03/18/2024	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-390	10/03/2024	ND	0.8000	0.5000	**
Cadmium	ug/L	MW-390	03/25/2025	ND	0.2000	0.5000	**
Cadmium	ug/L	MW-390	09/15/2025	ND	0.2000	0.5000	**
Chromium	ug/L	MW-390	09/18/2012	ND	20.0000	3.9200	**
Chromium	ug/L	MW-390	03/27/2013	ND	20.0000	3.9200	**
Chromium	ug/L	MW-390	09/25/2013		5.5100		
Chromium	ug/L	MW-390	04/15/2014	ND	20.0000	3.9200	**
Chromium	ug/L	MW-390	09/01/2015	ND	5.0000	3.9200	**
Chromium	ug/L	MW-390	03/22/2016		0.5420		
Chromium	ug/L	MW-390	10/21/2016		1.0200		
Chromium	ug/L	MW-390	03/08/2017	ND	0.7290	3.9200	**
Chromium	ug/L	MW-390	09/25/2017	ND	0.7290	3.9200	**
Chromium	ug/L	MW-390	03/13/2018	ND	2.9200	3.9200	**
Chromium	ug/L	MW-390	10/01/2018		2.0600		
Chromium	ug/L	MW-390	03/27/2019	ND	0.9800	3.9200	**
Chromium	ug/L	MW-390	09/23/2019	ND	3.9200		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium	ug/L	MW-390	03/09/2020	ND	1.1000	3.9200	**
Chromium	ug/L	MW-390	09/17/2020	ND	1.1000	3.9200	**
Chromium	ug/L	MW-390	04/14/2021	ND	1.1000	3.9200	**
Chromium	ug/L	MW-390	10/26/2021	ND	1.1000	3.9200	**
Chromium	ug/L	MW-390	04/14/2022	ND	4.4000	3.9200	**
Chromium	ug/L	MW-390	09/01/2022	ND	8.0000	3.9200	**
Chromium	ug/L	MW-390	03/06/2023	ND	8.0000	3.9200	**
Chromium	ug/L	MW-390	09/29/2023	ND	8.0000	3.9200	**
Chromium	ug/L	MW-390	03/18/2024	ND	8.0000	3.9200	**
Chromium	ug/L	MW-390	10/03/2024	ND	8.0000	3.9200	**
Chromium	ug/L	MW-390	03/25/2025		1.1000		
Chromium	ug/L	MW-390	09/15/2025	ND	1.0000	3.9200	**
Cobalt	ug/L	MW-390	09/18/2012		108.0000		
Cobalt	ug/L	MW-390	03/27/2013		123.0000		
Cobalt	ug/L	MW-390	09/25/2013		97.7000		
Cobalt	ug/L	MW-390	04/15/2014		103.0000		
Cobalt	ug/L	MW-390	09/01/2015		108.0000		
Cobalt	ug/L	MW-390	03/22/2016		92.9000		
Cobalt	ug/L	MW-390	10/21/2016		90.4000		
Cobalt	ug/L	MW-390	03/08/2017		120.0000		
Cobalt	ug/L	MW-390	09/25/2017		107.0000		
Cobalt	ug/L	MW-390	03/13/2018		98.2000		
Cobalt	ug/L	MW-390	10/01/2018		98.9000		
Cobalt	ug/L	MW-390	03/27/2019		114.0000		
Cobalt	ug/L	MW-390	09/23/2019		112.0000		
Cobalt	ug/L	MW-390	03/09/2020		102.0000		
Cobalt	ug/L	MW-390	09/17/2020		108.0000		
Cobalt	ug/L	MW-390	04/14/2021		110.0000		
Cobalt	ug/L	MW-390	10/26/2021		113.0000		
Cobalt	ug/L	MW-390	04/14/2022		106.0000		
Cobalt	ug/L	MW-390	09/01/2022		103.0000		
Cobalt	ug/L	MW-390	03/06/2023		113.0000		
Cobalt	ug/L	MW-390	09/29/2023		96.9000		
Cobalt	ug/L	MW-390	03/18/2024		107.0000		
Cobalt	ug/L	MW-390	10/03/2024		111.0000		
Cobalt	ug/L	MW-390	03/25/2025		106.0000		
Cobalt	ug/L	MW-390	09/15/2025		99.7000		
Copper	ug/L	MW-390	09/18/2012	ND	20.0000	4.0000	**
Copper	ug/L	MW-390	03/27/2013	ND	20.0000	4.0000	**
Copper	ug/L	MW-390	09/25/2013	ND	20.0000	4.0000	**
Copper	ug/L	MW-390	04/15/2014	ND	20.0000	4.0000	**
Copper	ug/L	MW-390	09/01/2015	ND	2.0000	4.0000	**
Copper	ug/L	MW-390	03/22/2016	ND	1.2200	4.0000	**
Copper	ug/L	MW-390	10/21/2016	ND	1.2200	4.0000	**
Copper	ug/L	MW-390	03/08/2017	ND	2.1900	4.0000	**
Copper	ug/L	MW-390	09/25/2017	ND	2.1900	4.0000	**
Copper	ug/L	MW-390	03/13/2018	ND	8.7600	4.0000	**
Copper	ug/L	MW-390	10/01/2018		1.5500		
Copper	ug/L	MW-390	03/27/2019	ND	2.0000	4.0000	**
Copper	ug/L	MW-390	09/23/2019	ND	8.0000	4.0000	**
Copper	ug/L	MW-390	03/09/2020	ND	3.2000	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	ug/L	MW-390	09/17/2020	ND	1.5000	4.0000	**
Copper	ug/L	MW-390	04/14/2021	ND	1.4000	4.0000	**
Copper	ug/L	MW-390	10/26/2021	ND	1.4000	4.0000	**
Copper	ug/L	MW-390	04/14/2022	ND	7.2000	4.0000	**
Copper	ug/L	MW-390	09/01/2022	ND	4.0000		
Copper	ug/L	MW-390	03/06/2023	ND	4.0000		
Copper	ug/L	MW-390	09/29/2023	ND	4.0000		
Copper	ug/L	MW-390	03/18/2024	ND	4.0000		
Copper	ug/L	MW-390	10/03/2024	ND	4.0000		
Copper	ug/L	MW-390	03/25/2025	ND	5.0000	4.0000	**
Copper	ug/L	MW-390	09/15/2025	ND	5.0000	4.0000	**
Lead	ug/L	MW-390	09/18/2012	ND	4.0000	1.0800	**
Lead	ug/L	MW-390	03/27/2013	ND	4.0000	1.0800	**
Lead	ug/L	MW-390	09/25/2013	ND	4.0000	1.0800	**
Lead	ug/L	MW-390	04/15/2014	ND	4.0000	1.0800	**
Lead	ug/L	MW-390	09/01/2015		0.7200		
Lead	ug/L	MW-390	03/22/2016	ND	0.2110	1.0800	**
Lead	ug/L	MW-390	10/21/2016		2.8600		
Lead	ug/L	MW-390	03/08/2017	ND	0.3240	1.0800	**
Lead	ug/L	MW-390	09/25/2017	ND	0.3240	1.0800	**
Lead	ug/L	MW-390	03/13/2018	ND	1.3000	1.0800	**
Lead	ug/L	MW-390	10/01/2018		0.8710		
Lead	ug/L	MW-390	03/27/2019	ND	0.2700	1.0800	**
Lead	ug/L	MW-390	09/23/2019		2.9400		
Lead	ug/L	MW-390	03/09/2020		2.2700		
Lead	ug/L	MW-390	09/17/2020		0.4100		
Lead	ug/L	MW-390	04/14/2021		1.7300		
Lead	ug/L	MW-390	10/26/2021		2.3800		
Lead	ug/L	MW-390	04/14/2022		4.7800		
Lead	ug/L	MW-390	09/01/2022	ND	4.0000	1.0800	**
Lead	ug/L	MW-390	03/06/2023	ND	4.0000	1.0800	**
Lead	ug/L	MW-390	09/29/2023	ND	4.0000	1.0800	**
Lead	ug/L	MW-390	03/18/2024	ND	4.0000	1.0800	**
Lead	ug/L	MW-390	10/03/2024	ND	4.0000	1.0800	**
Lead	ug/L	MW-390	03/25/2025	ND	1.0000	1.0800	**
Lead	ug/L	MW-390	09/15/2025	ND	1.0000	1.0800	**
Nickel	ug/L	MW-390	09/18/2012	ND	50.0000		
Nickel	ug/L	MW-390	03/27/2013		63.8000		
Nickel	ug/L	MW-390	09/25/2013		60.3000		
Nickel	ug/L	MW-390	04/15/2014		51.0000		
Nickel	ug/L	MW-390	09/01/2015		54.5000		
Nickel	ug/L	MW-390	03/22/2016		45.4000		
Nickel	ug/L	MW-390	10/21/2016		49.7000		
Nickel	ug/L	MW-390	03/08/2017		61.3000		
Nickel	ug/L	MW-390	09/25/2017		45.4000		
Nickel	ug/L	MW-390	03/13/2018		48.3000		
Nickel	ug/L	MW-390	10/01/2018		47.7000		
Nickel	ug/L	MW-390	03/27/2019		54.6000		
Nickel	ug/L	MW-390	09/23/2019		60.7000		
Nickel	ug/L	MW-390	03/09/2020		54.0000		
Nickel	ug/L	MW-390	09/17/2020		58.4000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel	ug/L	MW-390	04/14/2021		55.1000		
Nickel	ug/L	MW-390	10/26/2021		53.8000		
Nickel	ug/L	MW-390	04/14/2022		56.0000		
Nickel	ug/L	MW-390	09/01/2022		53.5000		
Nickel	ug/L	MW-390	03/06/2023		62.0000		
Nickel	ug/L	MW-390	09/29/2023		50.0000		
Nickel	ug/L	MW-390	03/18/2024		54.1000		
Nickel	ug/L	MW-390	10/03/2024		56.7000		
Nickel	ug/L	MW-390	03/25/2025		42.8000		
Nickel	ug/L	MW-390	09/15/2025		54.8000		
Selenium	ug/L	MW-390	09/18/2012	ND	5.0000	3.8400	**
Selenium	ug/L	MW-390	03/27/2013	ND	5.0000	3.8400	**
Selenium	ug/L	MW-390	09/25/2013	ND	5.0000	3.8400	**
Selenium	ug/L	MW-390	04/15/2014	ND	5.0000	3.8400	**
Selenium	ug/L	MW-390	09/01/2015	ND	5.0000	3.8400	**
Selenium	ug/L	MW-390	03/22/2016	ND	0.6300	3.8400	**
Selenium	ug/L	MW-390	10/21/2016	ND	0.6300	3.8400	**
Selenium	ug/L	MW-390	03/08/2017	ND	0.9280	3.8400	**
Selenium	ug/L	MW-390	09/25/2017	ND	0.9280	3.8400	**
Selenium	ug/L	MW-390	03/13/2018	ND	3.7100	3.8400	**
Selenium	ug/L	MW-390	10/01/2018	ND	0.9820	3.8400	**
Selenium	ug/L	MW-390	03/27/2019	ND	1.0000	3.8400	**
Selenium	ug/L	MW-390	09/23/2019	ND	4.0000	3.8400	**
Selenium	ug/L	MW-390	03/09/2020	ND	1.0000	3.8400	**
Selenium	ug/L	MW-390	09/17/2020	ND	1.0000	3.8400	**
Selenium	ug/L	MW-390	04/14/2021	ND	0.9600	3.8400	**
Selenium	ug/L	MW-390	10/26/2021	ND	0.9600	3.8400	**
Selenium	ug/L	MW-390	04/14/2022	ND	3.8400		
Selenium	ug/L	MW-390	09/01/2022	ND	4.0000	3.8400	**
Selenium	ug/L	MW-390	03/06/2023	ND	4.0000	3.8400	**
Selenium	ug/L	MW-390	09/29/2023	ND	4.0000	3.8400	**
Selenium	ug/L	MW-390	03/18/2024	ND	4.0000	3.8400	**
Selenium	ug/L	MW-390	10/03/2024	ND	4.0000	3.8400	**
Selenium	ug/L	MW-390	03/25/2025	ND	2.0000	3.8400	**
Selenium	ug/L	MW-390	09/15/2025	ND	2.0000	3.8400	**
Silver	ug/L	MW-390	09/18/2012	ND	20.0000	1.4800	**
Silver	ug/L	MW-390	03/27/2013	ND	20.0000	1.4800	**
Silver	ug/L	MW-390	09/25/2013	ND	20.0000	1.4800	**
Silver	ug/L	MW-390	04/15/2014	ND	20.0000	1.4800	**
Silver	ug/L	MW-390	09/01/2015	ND	1.0000	1.4800	**
Silver	ug/L	MW-390	03/22/2016	ND	0.1530	1.4800	**
Silver	ug/L	MW-390	10/21/2016	ND	0.1530	1.4800	**
Silver	ug/L	MW-390	03/08/2017	ND	0.1400	1.4800	**
Silver	ug/L	MW-390	09/25/2017		0.1730		
Silver	ug/L	MW-390	03/13/2018	ND	0.5600	1.4800	**
Silver	ug/L	MW-390	10/01/2018	ND	0.1150	1.4800	**
Silver	ug/L	MW-390	03/27/2019	ND	0.3700	1.4800	**
Silver	ug/L	MW-390	09/23/2019	ND	1.4800		
Silver	ug/L	MW-390	03/09/2020	ND	0.3700	1.4800	**
Silver	ug/L	MW-390	09/17/2020	ND	0.3700	1.4800	**
Silver	ug/L	MW-390	04/14/2021	ND	0.4200	1.4800	**

* - 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	ug/L	MW-390	10/26/2021	ND	0.4200	1.4800	**
Silver	ug/L	MW-390	04/14/2022	ND	1.9600	1.4800	**
Silver	ug/L	MW-390	09/01/2022	ND	4.0000	1.4800	**
Silver	ug/L	MW-390	03/06/2023	ND	4.0000	1.4800	**
Silver	ug/L	MW-390	09/29/2023	ND	4.0000	1.4800	**
Silver	ug/L	MW-390	03/18/2024	ND	4.0000	1.4800	**
Silver	ug/L	MW-390	10/03/2024	ND	4.0000	1.4800	**
Silver	ug/L	MW-390	03/25/2025	ND	5.0000	1.4800	**
Silver	ug/L	MW-390	09/15/2025	ND	5.0000	1.4800	**
Thallium	ug/L	MW-390	09/18/2012	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	03/27/2013	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	09/25/2013	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	04/15/2014	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	09/01/2015	ND	1.0000		
Thallium	ug/L	MW-390	03/22/2016	ND	0.0255	1.0000	**
Thallium	ug/L	MW-390	10/21/2016		0.0450		
Thallium	ug/L	MW-390	03/08/2017	ND	0.0644	1.0000	**
Thallium	ug/L	MW-390	09/25/2017	ND	0.0644	1.0000	**
Thallium	ug/L	MW-390	03/13/2018	ND	0.2580	1.0000	**
Thallium	ug/L	MW-390	10/01/2018	ND	0.5700	1.0000	**
Thallium	ug/L	MW-390	03/27/2019	ND	0.2700	1.0000	**
Thallium	ug/L	MW-390	09/23/2019	ND	1.0800	1.0000	**
Thallium	ug/L	MW-390	03/09/2020	ND	0.2600	1.0000	**
Thallium	ug/L	MW-390	09/17/2020	ND	0.2600	1.0000	**
Thallium	ug/L	MW-390	04/14/2021		1.1700		
Thallium	ug/L	MW-390	10/26/2021	ND	0.2600	1.0000	**
Thallium	ug/L	MW-390	04/14/2022	ND	1.0400	1.0000	**
Thallium	ug/L	MW-390	09/01/2022	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	03/06/2023	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	09/29/2023	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	03/18/2024	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	10/03/2024	ND	2.0000	1.0000	**
Thallium	ug/L	MW-390	03/25/2025	ND	0.5000	1.0000	**
Thallium	ug/L	MW-390	09/15/2025	ND	0.5000	1.0000	**
Vanadium	ug/L	MW-390	09/18/2012	ND	50.0000	3.2800	**
Vanadium	ug/L	MW-390	03/27/2013		8.9100		
Vanadium	ug/L	MW-390	09/25/2013	ND	50.0000	3.2800	**
Vanadium	ug/L	MW-390	04/15/2014	ND	50.0000	3.2800	**
Vanadium	ug/L	MW-390	09/01/2015	ND	5.0000	3.2800	**
Vanadium	ug/L	MW-390	03/22/2016		0.3780		
Vanadium	ug/L	MW-390	10/21/2016		0.6690		
Vanadium	ug/L	MW-390	03/08/2017	ND	0.8400	3.2800	**
Vanadium	ug/L	MW-390	09/25/2017	ND	0.8400	3.2800	**
Vanadium	ug/L	MW-390	03/13/2018	ND	3.3600	3.2800	**
Vanadium	ug/L	MW-390	10/01/2018	ND	2.1500	3.2800	**
Vanadium	ug/L	MW-390	03/27/2019	ND	0.8200	3.2800	**
Vanadium	ug/L	MW-390	09/23/2019	ND	3.2800		
Vanadium	ug/L	MW-390	03/09/2020	ND	0.8200	3.2800	**
Vanadium	ug/L	MW-390	09/17/2020	ND	0.8500	3.2800	**
Vanadium	ug/L	MW-390	04/14/2021	ND	1.1000	3.2800	**
Vanadium	ug/L	MW-390	10/26/2021	ND	1.1000	3.2800	**

* - 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	ug/L	MW-390	04/14/2022	ND	4.4000	3.2800	**
Vanadium	ug/L	MW-390	09/01/2022	ND	20.0000	3.2800	**
Vanadium	ug/L	MW-390	03/06/2023	ND	20.0000	3.2800	**
Vanadium	ug/L	MW-390	09/29/2023	ND	20.0000	3.2800	**
Vanadium	ug/L	MW-390	03/18/2024	ND	20.0000	3.2800	**
Vanadium	ug/L	MW-390	10/03/2024	ND	20.0000	3.2800	**
Vanadium	ug/L	MW-390	03/25/2025	ND	2.0000	3.2800	**
Vanadium	ug/L	MW-390	09/15/2025	ND	2.0000	3.2800	**
Zinc	ug/L	MW-390	09/18/2012	ND	94.0000		*
Zinc	ug/L	MW-390	03/27/2013		207.0000		
Zinc	ug/L	MW-390	09/25/2013		200.0000		
Zinc	ug/L	MW-390	04/15/2014		27.3000		
Zinc	ug/L	MW-390	09/01/2015		48.8000		
Zinc	ug/L	MW-390	03/22/2016		5.2100		
Zinc	ug/L	MW-390	10/21/2016		101.0000		
Zinc	ug/L	MW-390	03/08/2017		308.0000		
Zinc	ug/L	MW-390	09/25/2017		65.0000		
Zinc	ug/L	MW-390	03/13/2018		100.0000		
Zinc	ug/L	MW-390	10/01/2018		85.6000		
Zinc	ug/L	MW-390	03/27/2019		75.7000		
Zinc	ug/L	MW-390	09/23/2019		293.0000		
Zinc	ug/L	MW-390	03/09/2020		118.0000		
Zinc	ug/L	MW-390	09/17/2020		94.3000		
Zinc	ug/L	MW-390	04/14/2021		192.0000		
Zinc	ug/L	MW-390	10/26/2021		56.2000		
Zinc	ug/L	MW-390	04/14/2022		487.0000		
Zinc	ug/L	MW-390	09/01/2022		107.0000		
Zinc	ug/L	MW-390	03/06/2023		115.0000		
Zinc	ug/L	MW-390	09/29/2023		122.0000		
Zinc	ug/L	MW-390	03/18/2024		184.0000		
Zinc	ug/L	MW-390	10/03/2024		170.0000		
Zinc	ug/L	MW-390	03/25/2025		127.0000		
Zinc	ug/L	MW-390	09/15/2025		137.0000		

* - 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	ug/L	GU-4AR	09/15/2025	ND	1.0000		4.4000
Arsenic	ug/L	GU-4AR	09/15/2025		2.7000		22.5000
Barium	ug/L	GU-4AR	09/15/2025		11.0000		49.9000
Beryllium	ug/L	GU-4AR	09/15/2025	ND	0.5000		1.0000
Cadmium	ug/L	GU-4AR	09/15/2025	ND	0.2000		1.1900
Chromium	ug/L	GU-4AR	09/15/2025	ND	1.0000		5.5100
Cobalt	ug/L	GU-4AR	09/15/2025		50.0000		138.9681
Copper	ug/L	GU-4AR	09/15/2025	ND	5.0000		7.9900
Lead	ug/L	GU-4AR	09/15/2025	ND	1.0000		4.7800
Nickel	ug/L	GU-4AR	09/15/2025		98.7000		141.1872
Selenium	ug/L	GU-4AR	09/15/2025	ND	2.0000		6.4000
Silver	ug/L	GU-4AR	09/15/2025	ND	5.0000		1.4800
Thallium	ug/L	GU-4AR	09/15/2025	ND	0.5000		1.1700
Vanadium	ug/L	GU-4AR	09/15/2025	ND	2.0000		8.9100
Zinc	ug/L	GU-4AR	09/15/2025		242.0000		11972.2499
Antimony	ug/L	MW-300	09/15/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-300	09/15/2025	ND	2.0000		22.5000
Barium	ug/L	MW-300	09/15/2025		13.8000		49.9000
Beryllium	ug/L	MW-300	09/15/2025		2.7000	*	1.0000
Cadmium	ug/L	MW-300	09/15/2025		1.1000		1.1900
Chromium	ug/L	MW-300	09/15/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-300	09/15/2025		938.0000	***	138.9681
Copper	ug/L	MW-300	09/15/2025	ND	5.0000		7.9900
Lead	ug/L	MW-300	09/15/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-300	09/15/2025		1120.0000	***	141.1872
Selenium	ug/L	MW-300	09/15/2025	ND	2.0000		6.4000
Silver	ug/L	MW-300	09/15/2025	ND	5.0000		1.4800
Thallium	ug/L	MW-300	09/15/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-300	09/15/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-300	09/15/2025		1530.0000		11972.2499
Antimony	ug/L	MW-303	09/15/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-303	09/15/2025	ND	2.0000		22.5000
Barium	ug/L	MW-303	09/15/2025		78.6000	***	49.9000
Beryllium	ug/L	MW-303	09/15/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-303	09/15/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-303	09/15/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-303	09/15/2025		8.5000		138.9681
Copper	ug/L	MW-303	09/15/2025	ND	5.0000		7.9900
Lead	ug/L	MW-303	09/15/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-303	09/15/2025		12.3000		141.1872
Selenium	ug/L	MW-303	09/15/2025	ND	2.0000		6.4000
Silver	ug/L	MW-303	09/15/2025	ND	5.0000		1.4800
Thallium	ug/L	MW-303	09/15/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-303	09/15/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-303	09/15/2025		6.9000		11972.2499
Antimony	ug/L	MW-304	09/15/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-304	09/15/2025	ND	2.0000		22.5000
Barium	ug/L	MW-304	09/15/2025		74.7000	***	49.9000
Beryllium	ug/L	MW-304	09/15/2025	ND	0.5000		1.0000

* - 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
Cadmium	ug/L	MW-304	09/15/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-304	09/15/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-304	09/15/2025		0.8000		138.9681
Copper	ug/L	MW-304	09/15/2025	ND	5.0000		7.9900
Lead	ug/L	MW-304	09/15/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-304	09/15/2025	ND	5.0000		141.1872
Selenium	ug/L	MW-304	09/15/2025	ND	2.0000		6.4000
Silver	ug/L	MW-304	09/15/2025	ND	5.0000		1.4800
Thallium	ug/L	MW-304	09/15/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-304	09/15/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-304	09/15/2025	ND	5.0000		11972.2499
Antimony	ug/L	MW-313	09/15/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-313	09/15/2025		10.9000		22.5000
Barium	ug/L	MW-313	09/15/2025		42.5000		49.9000
Beryllium	ug/L	MW-313	09/15/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-313	09/15/2025		0.5000		1.1900
Chromium	ug/L	MW-313	09/15/2025		1.1000		5.5100
Cobalt	ug/L	MW-313	09/15/2025		0.7000		138.9681
Copper	ug/L	MW-313	09/15/2025	ND	5.0000		7.9900
Lead	ug/L	MW-313	09/15/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-313	09/15/2025		34.0000		141.1872
Selenium	ug/L	MW-313	09/15/2025	ND	2.0000		6.4000
Silver	ug/L	MW-313	09/15/2025	ND	5.0000		1.4800
Thallium	ug/L	MW-313	09/15/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-313	09/15/2025		10.9000	*	8.9100
Zinc	ug/L	MW-313	09/15/2025		17.9000		11972.2499
Antimony	ug/L	MW-335	09/15/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-335	09/15/2025		4.1000		22.5000
Barium	ug/L	MW-335	09/15/2025		11.4000		49.9000
Beryllium	ug/L	MW-335	09/15/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-335	09/15/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-335	09/15/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-335	09/15/2025		14.1000		138.9681
Copper	ug/L	MW-335	09/15/2025	ND	5.0000		7.9900
Lead	ug/L	MW-335	09/15/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-335	09/15/2025		36.3000		141.1872
Selenium	ug/L	MW-335	09/15/2025	ND	2.0000		6.4000
Silver	ug/L	MW-335	09/15/2025	ND	5.0000		1.4800
Thallium	ug/L	MW-335	09/15/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-335	09/15/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-335	09/15/2025		29.5000		11972.2499
Antimony	ug/L	MW-344	09/15/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-344	09/15/2025	ND	2.0000		22.5000
Barium	ug/L	MW-344	09/15/2025		12.5000		49.9000
Beryllium	ug/L	MW-344	09/15/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-344	09/15/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-344	09/15/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-344	09/15/2025		167.0000	***	138.9681
Copper	ug/L	MW-344	09/15/2025	ND	5.0000		7.9900

* - 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
Lead	ug/L	MW-344	09/15/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-344	09/15/2025		136.0000	**	141.1872
Selenium	ug/L	MW-344	09/15/2025	ND	2.0000		6.4000
Silver	ug/L	MW-344	09/15/2025	ND	5.0000		1.4800
Thallium	ug/L	MW-344	09/15/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-344	09/15/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-344	09/15/2025		22.9000		11972.2499
Antimony	ug/L	MW-380	09/15/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-380	09/15/2025	ND	2.0000		22.5000
Barium	ug/L	MW-380	09/15/2025		12.6000		49.9000
Beryllium	ug/L	MW-380	09/15/2025		1.8000	*	1.0000
Cadmium	ug/L	MW-380	09/15/2025		7.7000	*	1.1900
Chromium	ug/L	MW-380	09/15/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-380	09/15/2025		314.0000	*	138.9681
Copper	ug/L	MW-380	09/15/2025	ND	5.0000		7.9900
Lead	ug/L	MW-380	09/15/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-380	09/15/2025		485.0000	***	141.1872
Selenium	ug/L	MW-380	09/15/2025	ND	2.0000		6.4000
Silver	ug/L	MW-380	09/15/2025	ND	5.0000		1.4800
Thallium	ug/L	MW-380	09/15/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-380	09/15/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-380	09/15/2025		2930.0000		11972.2499
Antimony	ug/L	MW-381	09/15/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-381	09/15/2025	ND	2.0000		22.5000
Barium	ug/L	MW-381	09/15/2025		14.0000		49.9000
Beryllium	ug/L	MW-381	09/15/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-381	09/15/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-381	09/15/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-381	09/15/2025	ND	0.5000		138.9681
Copper	ug/L	MW-381	09/15/2025	ND	5.0000		7.9900
Lead	ug/L	MW-381	09/15/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-381	09/15/2025	ND	5.0000		141.1872
Selenium	ug/L	MW-381	09/15/2025	ND	2.0000		6.4000
Silver	ug/L	MW-381	09/15/2025	ND	5.0000		1.4800
Thallium	ug/L	MW-381	09/15/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-381	09/15/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-381	09/15/2025		7.5000		11972.2499
Antimony	ug/L	MW-382R	09/15/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-382R	09/15/2025	ND	2.0000		22.5000
Barium	ug/L	MW-382R	09/15/2025		24.3000		49.9000
Beryllium	ug/L	MW-382R	09/15/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-382R	09/15/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-382R	09/15/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-382R	09/15/2025		4.0000		138.9681
Copper	ug/L	MW-382R	09/15/2025	ND	5.0000		7.9900
Lead	ug/L	MW-382R	09/15/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-382R	09/15/2025		8.1000		141.1872
Selenium	ug/L	MW-382R	09/15/2025	ND	2.0000		6.4000
Silver	ug/L	MW-382R	09/15/2025	ND	5.0000		1.4800

* - 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	ug/L	MW-382R	09/15/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-382R	09/15/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-382R	09/15/2025		8.1000		11972.2499
Antimony	ug/L	MW-601	03/25/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-601	03/25/2025	ND	2.0000		22.5000
Barium	ug/L	MW-601	03/25/2025		20.6000		49.9000
Beryllium	ug/L	MW-601	03/25/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-601	03/25/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-601	03/25/2025		3.3000		5.5100
Cobalt	ug/L	MW-601	03/25/2025		1.1000		138.9681
Copper	ug/L	MW-601	03/25/2025	ND	5.0000		7.9900
Lead	ug/L	MW-601	03/25/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-601	03/25/2025	ND	5.0000		141.1872
Selenium	ug/L	MW-601	03/25/2025	ND	2.0000		6.4000
Silver	ug/L	MW-601	03/25/2025	ND	5.0000		1.4800
Thallium	ug/L	MW-601	03/25/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-601	03/25/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-601	03/25/2025	ND	5.0000		11972.2499
Antimony	ug/L	MW-602	09/15/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-602	09/15/2025	ND	2.0000		22.5000
Barium	ug/L	MW-602	09/15/2025		11.7000		49.9000
Beryllium	ug/L	MW-602	09/15/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-602	09/15/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-602	09/15/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-602	09/15/2025		252.0000	***	138.9681
Copper	ug/L	MW-602	09/15/2025	ND	5.0000		7.9900
Lead	ug/L	MW-602	09/15/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-602	09/15/2025		367.0000	***	141.1872
Selenium	ug/L	MW-602	09/15/2025	ND	2.0000		6.4000
Silver	ug/L	MW-602	09/15/2025	ND	5.0000		1.4800
Thallium	ug/L	MW-602	09/15/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-602	09/15/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-602	09/15/2025		199.0000		11972.2499
Antimony	ug/L	MW-603	09/15/2025	ND	1.0000		4.4000
Arsenic	ug/L	MW-603	09/15/2025		5.0000		22.5000
Barium	ug/L	MW-603	09/15/2025		21.3000		49.9000
Beryllium	ug/L	MW-603	09/15/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-603	09/15/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-603	09/15/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-603	09/15/2025		11.5000		138.9681
Copper	ug/L	MW-603	09/15/2025	ND	5.0000		7.9900
Lead	ug/L	MW-603	09/15/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-603	09/15/2025		7.7000		141.1872
Selenium	ug/L	MW-603	09/15/2025	ND	2.0000		6.4000
Silver	ug/L	MW-603	09/15/2025	ND	5.0000		1.4800
Thallium	ug/L	MW-603	09/15/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-603	09/15/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-603	09/15/2025		23.3000		11972.2499
Antimony	ug/L	MW-604	09/15/2025	ND	1.0000		4.4000

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic	ug/L	MW-604	09/15/2025	ND	2.0000		22.5000
Barium	ug/L	MW-604	09/15/2025		15.1000		49.9000
Beryllium	ug/L	MW-604	09/15/2025	ND	0.5000		1.0000
Cadmium	ug/L	MW-604	09/15/2025	ND	0.2000		1.1900
Chromium	ug/L	MW-604	09/15/2025	ND	1.0000		5.5100
Cobalt	ug/L	MW-604	09/15/2025		93.8000		138.9681
Copper	ug/L	MW-604	09/15/2025	ND	5.0000		7.9900
Lead	ug/L	MW-604	09/15/2025	ND	1.0000		4.7800
Nickel	ug/L	MW-604	09/15/2025		145.0000	*	141.1872
Selenium	ug/L	MW-604	09/15/2025	ND	2.0000		6.4000
Silver	ug/L	MW-604	09/15/2025	ND	5.0000		1.4800
Thallium	ug/L	MW-604	09/15/2025	ND	0.5000		1.1700
Vanadium	ug/L	MW-604	09/15/2025	ND	2.0000		8.9100
Zinc	ug/L	MW-604	09/15/2025		38.0000		11972.2499

* - 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	1	77	0.013	14	367	0.038
Arsenic	53	75	0.707	157	371	0.423
Barium	74	77	0.961	356	372	0.957
Beryllium	17	77	0.221	53	371	0.143
Cadmium	27	77	0.351	130	372	0.349
Chromium	8	77	0.104	34	369	0.092
Cobalt	76	76	1.000	338	371	0.911
Copper	7	77	0.091	42	370	0.114
Lead	14	77	0.182	61	371	0.164
Nickel	76	77	0.987	305	371	0.822
Selenium	8	77	0.104	22	371	0.059
Silver	1	75	0.013	7	370	0.019
Thallium	5	77	0.065	27	371	0.073
Vanadium	3	76	0.039	40	371	0.108
Zinc	59	75	0.787	242	372	0.651

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	1	77	0.013									nonpar
Arsenic	53	75	0.707	2.897	4.298					2.326	non-norm	nonpar
Barium	74	77	0.961	5.656	3.490					2.326	non-norm	nonpar
Beryllium	17	77	0.221	0.057	0.817					2.326	normal	nonpar
Cadmium	27	77	0.351	4.609	2.370					2.326	non-norm	nonpar
Chromium	8	77	0.104	1.587	0.686					2.326	normal	nonpar
Cobalt	76	76	1.000	0.560	0.321					2.326	normal	normal
Copper	7	77	0.091	1.104	0.126					2.326	normal	nonpar
Lead	14	77	0.182	0.581	0.573					2.326	normal	nonpar
Nickel	76	77	0.987	0.591	1.052					2.326	normal	normal
Selenium	8	77	0.104	3.344	1.069					2.326	lognor	nonpar
Silver	1	75	0.013									nonpar
Thallium	5	77	0.065									nonpar
Vanadium	3	76	0.039	1.578	0.451					2.326	normal	nonpar
Zinc	59	75	0.787	5.276	0.076					2.326	lognor	lognor

* - Distribution override for that constituent.

Fit to distribution is confirmed if $G \leq$ critical value.

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

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony	ug/L	1	77					4.4000	nonpar		0.99
Arsenic	ug/L	53	75					22.5000	nonpar		0.99
Barium	ug/L	74	77					49.9000	nonpar		0.99
Beryllium	ug/L	17	77					1.0000	nonpar	***	0.99
Cadmium	ug/L	27	77					1.1900	nonpar		0.99
Chromium	ug/L	8	77					5.5100	nonpar		0.99
Cobalt	ug/L	76	76	64.1882	31.2537	0.0100	2.3927	138.9681	normal		
Copper	ug/L	7	77					7.9900	nonpar		0.99
Lead	ug/L	14	77					4.7800	nonpar		0.99
Nickel	ug/L	76	77	75.6974	27.3811	0.0100	2.3918	141.1872	normal		
Selenium	ug/L	8	77					6.4000	nonpar		0.99
Silver	ug/L	1	75					1.4800	nonpar	***	0.99
Thallium	ug/L	5	77					1.1700	nonpar		0.99
Vanadium	ug/L	3	76					8.9100	nonpar		0.99
Zinc	ug/L	59	75	3.9019	2.2930	0.0100	2.3936	11972.2499	lognor		

Conf = confidence level for passing initial test or one of two verification resamples 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
Arsenic	ug/L	MW-307	10/28/2021	0.7500	< 0.7500	09/18/2012-09/15/2025	25	0.4893
Arsenic	ug/L	MW-307	09/29/2023	31.9000		09/18/2012-09/15/2025	25	0.4893
Cobalt	ug/L	MW-307	10/28/2021	14.8000		09/18/2012-09/15/2025	25	0.4893
Zinc	ug/L	MW-307	10/28/2021	10.6000		09/18/2012-09/15/2025	25	0.4893
Zinc	ug/L	MW-390	03/22/2016	5.2100	< 5.2100	09/18/2012-09/15/2025	25	0.4893

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

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

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

Table 8

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

Constituent	Units	Well	Date		Result	Pred. Limit
Beryllium	ug/L	MW-300	03/25/2008	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	04/22/2008	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	07/26/2008	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	08/27/2008		1.3200 *	1.0000
Beryllium	ug/L	MW-300	09/24/2008	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	03/17/2009		2.5600 *	1.0000
Beryllium	ug/L	MW-300	09/24/2009	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	03/25/2010	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	09/23/2010	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	03/29/2011	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	09/22/2011	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	03/15/2012	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	09/18/2012	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	03/27/2013	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	09/25/2013		0.2300	1.0000
Beryllium	ug/L	MW-300	04/16/2014	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	09/26/2014		0.1380	1.0000
Beryllium	ug/L	MW-300	03/12/2015	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	09/02/2015	ND	1.0000	1.0000
Beryllium	ug/L	MW-300	03/23/2016	ND	0.2210	1.0000
Beryllium	ug/L	MW-300	10/20/2016	ND	0.2210	1.0000
Beryllium	ug/L	MW-300	03/07/2017		0.1490	1.0000
Beryllium	ug/L	MW-300	09/26/2017	ND	1.2500	1.0000
Beryllium	ug/L	MW-300	03/14/2018	ND	0.5000	1.0000
Beryllium	ug/L	MW-300	10/02/2018	ND	0.5300	1.0000
Beryllium	ug/L	MW-300	03/28/2019	ND	1.0800	1.0000
Beryllium	ug/L	MW-300	09/24/2019	ND	1.0800	1.0000
Beryllium	ug/L	MW-300	03/10/2020	ND	0.2700	1.0000
Beryllium	ug/L	MW-300	09/15/2020	ND	0.2700	1.0000
Beryllium	ug/L	MW-300	04/15/2021	ND	0.2700	1.0000
Beryllium	ug/L	MW-300	10/27/2021	ND	0.2700	1.0000
Beryllium	ug/L	MW-300	04/13/2022	ND	1.0800	1.0000
Beryllium	ug/L	MW-300	09/01/2022	ND	4.0000	1.0000
Beryllium	ug/L	MW-300	03/06/2023	ND	4.0000	1.0000
Beryllium	ug/L	MW-300	09/29/2023	ND	4.0000	1.0000
Beryllium	ug/L	MW-300	03/19/2024	ND	4.0000	1.0000
Beryllium	ug/L	MW-300	10/03/2024	ND	4.0000	1.0000
Beryllium	ug/L	MW-300	03/25/2025		1.1000 *	1.0000
Beryllium	ug/L	MW-300	09/15/2025		2.7000 *	1.0000
Cobalt	ug/L	MW-300	03/25/2008		630.0000 *	138.9681
Cobalt	ug/L	MW-300	04/22/2008		458.0000 *	138.9681
Cobalt	ug/L	MW-300	07/26/2008		413.0000 *	138.9681
Cobalt	ug/L	MW-300	08/27/2008		493.0000 *	138.9681
Cobalt	ug/L	MW-300	09/24/2008		555.0000 *	138.9681
Cobalt	ug/L	MW-300	03/17/2009		325.0000 *	138.9681
Cobalt	ug/L	MW-300	09/24/2009		350.0000 *	138.9681
Cobalt	ug/L	MW-300	03/25/2010		370.0000 *	138.9681
Cobalt	ug/L	MW-300	09/23/2010		437.0000 *	138.9681

* - 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	ug/L	MW-300	03/29/2011		357.0000 *	138.9681
Cobalt	ug/L	MW-300	09/22/2011		304.0000 *	138.9681
Cobalt	ug/L	MW-300	03/15/2012		225.0000 *	138.9681
Cobalt	ug/L	MW-300	09/18/2012		357.0000 *	138.9681
Cobalt	ug/L	MW-300	03/27/2013		330.0000 *	138.9681
Cobalt	ug/L	MW-300	09/25/2013		332.0000 *	138.9681
Cobalt	ug/L	MW-300	04/16/2014		42.3000	138.9681
Cobalt	ug/L	MW-300	09/26/2014		289.0000 *	138.9681
Cobalt	ug/L	MW-300	03/12/2015		251.0000 *	138.9681
Cobalt	ug/L	MW-300	09/02/2015		383.0000 *	138.9681
Cobalt	ug/L	MW-300	03/23/2016		328.0000 *	138.9681
Cobalt	ug/L	MW-300	10/20/2016		337.0000 *	138.9681
Cobalt	ug/L	MW-300	03/07/2017		315.0000 *	138.9681
Cobalt	ug/L	MW-300	09/26/2017		306.0000 *	138.9681
Cobalt	ug/L	MW-300	03/14/2018		143.0000 *	138.9681
Cobalt	ug/L	MW-300	10/02/2018		232.0000 *	138.9681
Cobalt	ug/L	MW-300	03/28/2019		344.0000 *	138.9681
Cobalt	ug/L	MW-300	09/24/2019		292.0000 *	138.9681
Cobalt	ug/L	MW-300	03/10/2020		215.0000 *	138.9681
Cobalt	ug/L	MW-300	09/15/2020		282.0000 *	138.9681
Cobalt	ug/L	MW-300	04/15/2021		152.0000 *	138.9681
Cobalt	ug/L	MW-300	10/27/2021		260.0000 *	138.9681
Cobalt	ug/L	MW-300	04/13/2022		339.0000 *	138.9681
Cobalt	ug/L	MW-300	09/01/2022		1370.0000 *	138.9681
Cobalt	ug/L	MW-300	03/06/2023		294.0000 *	138.9681
Cobalt	ug/L	MW-300	09/29/2023		881.0000 *	138.9681
Cobalt	ug/L	MW-300	03/19/2024		691.0000 *	138.9681
Cobalt	ug/L	MW-300	10/03/2024		799.0000 *	138.9681
Cobalt	ug/L	MW-300	03/25/2025		462.0000 *	138.9681
Cobalt	ug/L	MW-300	09/15/2025		938.0000 *	138.9681
Nickel	ug/L	MW-300	03/25/2008		544.0000 *	141.1872
Nickel	ug/L	MW-300	04/22/2008		580.0000 *	141.1872
Nickel	ug/L	MW-300	07/26/2008		404.0000 *	141.1872
Nickel	ug/L	MW-300	08/27/2008		500.0000 *	141.1872
Nickel	ug/L	MW-300	09/24/2008		579.0000 *	141.1872
Nickel	ug/L	MW-300	03/17/2009		274.0000 *	141.1872
Nickel	ug/L	MW-300	09/24/2009		348.0000 *	141.1872
Nickel	ug/L	MW-300	03/25/2010		576.0000 *	141.1872
Nickel	ug/L	MW-300	09/23/2010		484.0000 *	141.1872
Nickel	ug/L	MW-300	03/29/2011		337.0000 *	141.1872
Nickel	ug/L	MW-300	09/22/2011		262.0000 *	141.1872
Nickel	ug/L	MW-300	03/15/2012		247.0000 *	141.1872
Nickel	ug/L	MW-300	09/18/2012		269.0000 *	141.1872
Nickel	ug/L	MW-300	03/27/2013		225.0000 *	141.1872
Nickel	ug/L	MW-300	09/25/2013		279.0000 *	141.1872
Nickel	ug/L	MW-300	04/16/2014		98.6000	141.1872
Nickel	ug/L	MW-300	09/26/2014		286.0000 *	141.1872
Nickel	ug/L	MW-300	03/12/2015		204.0000 *	141.1872

* - 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	ug/L	MW-300	09/02/2015		329.0000 *	141.1872
Nickel	ug/L	MW-300	03/23/2016		250.0000 *	141.1872
Nickel	ug/L	MW-300	10/20/2016		221.0000 *	141.1872
Nickel	ug/L	MW-300	03/07/2017		288.0000 *	141.1872
Nickel	ug/L	MW-300	09/26/2017		218.0000 *	141.1872
Nickel	ug/L	MW-300	03/14/2018		149.0000 *	141.1872
Nickel	ug/L	MW-300	10/02/2018		189.0000 *	141.1872
Nickel	ug/L	MW-300	03/28/2019		253.0000 *	141.1872
Nickel	ug/L	MW-300	09/24/2019		257.0000 *	141.1872
Nickel	ug/L	MW-300	03/10/2020		185.0000 *	141.1872
Nickel	ug/L	MW-300	09/15/2020		248.0000 *	141.1872
Nickel	ug/L	MW-300	04/15/2021		156.0000 *	141.1872
Nickel	ug/L	MW-300	10/27/2021		237.0000 *	141.1872
Nickel	ug/L	MW-300	04/13/2022		365.0000 *	141.1872
Nickel	ug/L	MW-300	09/01/2022		1720.0000 *	141.1872
Nickel	ug/L	MW-300	03/06/2023		343.0000 *	141.1872
Nickel	ug/L	MW-300	09/29/2023		955.0000 *	141.1872
Nickel	ug/L	MW-300	03/19/2024		719.0000 *	141.1872
Nickel	ug/L	MW-300	10/03/2024		829.0000 *	141.1872
Nickel	ug/L	MW-300	03/25/2025		540.0000 *	141.1872
Nickel	ug/L	MW-300	09/15/2025		1120.0000 *	141.1872
Barium	ug/L	MW-303	03/24/2008	ND	26.6000	49.9000
Barium	ug/L	MW-303	04/21/2008		10.0000	49.9000
Barium	ug/L	MW-303	07/23/2008		14.1000	49.9000
Barium	ug/L	MW-303	08/26/2008		30.8000	49.9000
Barium	ug/L	MW-303	09/23/2008	ND	10.0000	49.9000
Barium	ug/L	MW-303	03/17/2009		12.3000	49.9000
Barium	ug/L	MW-303	09/24/2009		23.4000	49.9000
Barium	ug/L	MW-303	03/24/2010		17.7000	49.9000
Barium	ug/L	MW-303	09/22/2010		23.9000	49.9000
Barium	ug/L	MW-303	03/28/2011		14.5000	49.9000
Barium	ug/L	MW-303	09/22/2011		20.4000	49.9000
Barium	ug/L	MW-303	03/16/2012		30.1000	49.9000
Barium	ug/L	MW-303	09/19/2012		31.9000	49.9000
Barium	ug/L	MW-303	03/27/2013		26.8000	49.9000
Barium	ug/L	MW-303	09/26/2013		39.1000	49.9000
Barium	ug/L	MW-303	04/15/2014		26.1000	49.9000
Barium	ug/L	MW-303	09/25/2014		106.0000 *	49.9000
Barium	ug/L	MW-303	03/11/2015		72.5000 *	49.9000
Barium	ug/L	MW-303	09/02/2015		36.6000	49.9000
Barium	ug/L	MW-303	03/22/2016		66.8000 *	49.9000
Barium	ug/L	MW-303	10/21/2016		69.2000 *	49.9000
Barium	ug/L	MW-303	03/08/2017		42.9000	49.9000
Barium	ug/L	MW-303	09/25/2017		68.4000 *	49.9000
Barium	ug/L	MW-303	03/13/2018		66.1000 *	49.9000
Barium	ug/L	MW-303	10/01/2018		37.4000	49.9000
Barium	ug/L	MW-303	03/27/2019		20.8000	49.9000
Barium	ug/L	MW-303	09/23/2019		39.1000	49.9000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result	Pred. Limit
Barium	ug/L	MW-303	03/10/2020		59.0000 *	49.9000
Barium	ug/L	MW-303	09/15/2020		25.0000	49.9000
Barium	ug/L	MW-303	04/14/2021		14.5000	49.9000
Barium	ug/L	MW-303	10/27/2021		73.3000 *	49.9000
Barium	ug/L	MW-303	04/14/2022		58.8000 *	49.9000
Barium	ug/L	MW-303	09/01/2022		58.0000 *	49.9000
Barium	ug/L	MW-303	03/06/2023		73.9000 *	49.9000
Barium	ug/L	MW-303	09/29/2023		35.5000	49.9000
Barium	ug/L	MW-303	03/19/2024		92.9000 *	49.9000
Barium	ug/L	MW-303	10/03/2024		83.1000 *	49.9000
Barium	ug/L	MW-303	03/25/2025		72.9000 *	49.9000
Barium	ug/L	MW-303	09/15/2025		78.6000 *	49.9000
Barium	ug/L	MW-304	03/22/2016		77.5000 *	49.9000
Barium	ug/L	MW-304	10/20/2016		85.1000 *	49.9000
Barium	ug/L	MW-304	01/18/2017		43.2000	49.9000
Barium	ug/L	MW-304	03/07/2017		103.0000 *	49.9000
Barium	ug/L	MW-304	06/28/2017		74.3000 *	49.9000
Barium	ug/L	MW-304	09/26/2017		73.1000 *	49.9000
Barium	ug/L	MW-304	03/14/2018		39.9000	49.9000
Barium	ug/L	MW-304	10/02/2018		72.3000 *	49.9000
Barium	ug/L	MW-304	03/28/2019		75.6000 *	49.9000
Barium	ug/L	MW-304	09/24/2019		68.9000 *	49.9000
Barium	ug/L	MW-304	03/10/2020		71.1000 *	49.9000
Barium	ug/L	MW-304	09/15/2020		68.1000 *	49.9000
Barium	ug/L	MW-304	04/16/2021		42.4000	49.9000
Barium	ug/L	MW-304	10/27/2021		36.8000	49.9000
Barium	ug/L	MW-304	04/14/2022		40.8000	49.9000
Barium	ug/L	MW-304	09/01/2022		60.2000 *	49.9000
Barium	ug/L	MW-304	03/06/2023		66.5000 *	49.9000
Barium	ug/L	MW-304	09/29/2023		61.0000 *	49.9000
Barium	ug/L	MW-304	03/19/2024		78.6000 *	49.9000
Barium	ug/L	MW-304	10/03/2024		87.0000 *	49.9000
Barium	ug/L	MW-304	03/25/2025		82.9000 *	49.9000
Barium	ug/L	MW-304	09/15/2025		74.7000 *	49.9000
Vanadium	ug/L	MW-313	03/25/2008	ND	50.0000	8.9100
Vanadium	ug/L	MW-313	04/21/2008	ND	50.0000	8.9100
Vanadium	ug/L	MW-313	07/26/2008	ND	50.0000	8.9100
Vanadium	ug/L	MW-313	08/27/2008	ND	50.0000	8.9100
Vanadium	ug/L	MW-313	09/24/2008	ND	50.0000	8.9100
Vanadium	ug/L	MW-313	03/18/2009	ND	50.0000	8.9100
Vanadium	ug/L	MW-313	09/24/2009	ND	50.0000	8.9100
Vanadium	ug/L	MW-313	03/25/2010	ND	50.0000	8.9100
Vanadium	ug/L	MW-313	09/22/2010	ND	50.0000	8.9100
Vanadium	ug/L	MW-313	03/29/2011	ND	50.0000	8.9100
Vanadium	ug/L	MW-313	09/22/2011	ND	50.0000	8.9100
Vanadium	ug/L	MW-313	03/16/2012	ND	50.0000	8.9100
Vanadium	ug/L	MW-313	09/18/2012	ND	50.0000	8.9100
Vanadium	ug/L	MW-313	03/28/2013	ND	50.0000	8.9100

* - 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
Vanadium	ug/L	MW-313	09/25/2013	ND	50.0000	8.9100
Vanadium	ug/L	MW-313	04/16/2014	ND	50.0000	8.9100
Vanadium	ug/L	MW-313	09/26/2014		2.8900	8.9100
Vanadium	ug/L	MW-313	03/11/2015		3.0700	8.9100
Vanadium	ug/L	MW-313	09/02/2015	ND	5.0000	8.9100
Vanadium	ug/L	MW-313	03/22/2016		15.4000 *	8.9100
Vanadium	ug/L	MW-313	10/21/2016		2.2900	8.9100
Vanadium	ug/L	MW-313	03/08/2017		6.7600	8.9100
Vanadium	ug/L	MW-313	09/25/2017		5.3400	8.9100
Vanadium	ug/L	MW-313	03/13/2018		1.7900	8.9100
Vanadium	ug/L	MW-313	10/01/2018		3.5100	8.9100
Vanadium	ug/L	MW-313	03/27/2019		2.7100	8.9100
Vanadium	ug/L	MW-313	09/23/2019		3.8700	8.9100
Vanadium	ug/L	MW-313	03/10/2020		2.9000	8.9100
Vanadium	ug/L	MW-313	09/16/2020		1.2700	8.9100
Vanadium	ug/L	MW-313	04/15/2021		4.7500	8.9100
Vanadium	ug/L	MW-313	10/26/2021		3.3100	8.9100
Vanadium	ug/L	MW-313	04/14/2022		10.5000 *	8.9100
Vanadium	ug/L	MW-313	09/01/2022	ND	20.0000	8.9100
Vanadium	ug/L	MW-313	03/06/2023	ND	20.0000	8.9100
Vanadium	ug/L	MW-313	09/29/2023	ND	20.0000	8.9100
Vanadium	ug/L	MW-313	03/19/2024	ND	20.0000	8.9100
Vanadium	ug/L	MW-313	10/03/2024	ND	20.0000	8.9100
Vanadium	ug/L	MW-313	03/25/2025		4.8000	8.9100
Vanadium	ug/L	MW-313	09/15/2025		10.9000 *	8.9100
Cobalt	ug/L	MW-344	03/25/2008	ND	20.0000	138.9681
Cobalt	ug/L	MW-344	04/22/2008	ND	20.0000	138.9681
Cobalt	ug/L	MW-344	07/26/2008	ND	20.0000	138.9681
Cobalt	ug/L	MW-344	08/27/2008	ND	20.0000	138.9681
Cobalt	ug/L	MW-344	09/24/2008	ND	20.0000	138.9681
Cobalt	ug/L	MW-344	03/18/2009	ND	20.0000	138.9681
Cobalt	ug/L	MW-344	09/24/2009		23.3000	138.9681
Cobalt	ug/L	MW-344	03/25/2010		34.7000	138.9681
Cobalt	ug/L	MW-344	09/22/2010		45.0000	138.9681
Cobalt	ug/L	MW-344	03/28/2011		33.2000	138.9681
Cobalt	ug/L	MW-344	09/22/2011		47.9000	138.9681
Cobalt	ug/L	MW-344	03/16/2012		86.5000	138.9681
Cobalt	ug/L	MW-344	09/20/2012		93.2000	138.9681
Cobalt	ug/L	MW-344	03/27/2013		172.0000 *	138.9681
Cobalt	ug/L	MW-344	09/25/2013		105.0000	138.9681
Cobalt	ug/L	MW-344	04/15/2014		50.0000	138.9681
Cobalt	ug/L	MW-344	09/26/2014		164.0000 *	138.9681
Cobalt	ug/L	MW-344	03/12/2015		176.0000 *	138.9681
Cobalt	ug/L	MW-344	09/02/2015		202.0000 *	138.9681
Cobalt	ug/L	MW-344	03/23/2016		269.0000 *	138.9681
Cobalt	ug/L	MW-344	10/19/2016		57.6000	138.9681
Cobalt	ug/L	MW-344	03/07/2017		107.0000	138.9681
Cobalt	ug/L	MW-344	09/26/2017		21.8000	138.9681

* - 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	ug/L	MW-344	03/14/2018		114.0000	138.9681
Cobalt	ug/L	MW-344	10/02/2018		198.0000 *	138.9681
Cobalt	ug/L	MW-344	03/28/2019		128.0000	138.9681
Cobalt	ug/L	MW-344	09/24/2019		146.0000 *	138.9681
Cobalt	ug/L	MW-344	03/10/2020		206.0000 *	138.9681
Cobalt	ug/L	MW-344	09/15/2020		263.0000 *	138.9681
Cobalt	ug/L	MW-344	04/15/2021		258.0000 *	138.9681
Cobalt	ug/L	MW-344	10/27/2021		223.0000 *	138.9681
Cobalt	ug/L	MW-344	04/14/2022		310.0000 *	138.9681
Cobalt	ug/L	MW-344	09/01/2022		224.0000 *	138.9681
Cobalt	ug/L	MW-344	03/06/2023		209.0000 *	138.9681
Cobalt	ug/L	MW-344	09/29/2023		151.0000 *	138.9681
Cobalt	ug/L	MW-344	03/19/2024		148.0000 *	138.9681
Cobalt	ug/L	MW-344	10/03/2024		201.0000 *	138.9681
Cobalt	ug/L	MW-344	03/25/2025		220.0000 *	138.9681
Cobalt	ug/L	MW-344	09/15/2025		167.0000 *	138.9681
Nickel	ug/L	MW-344	03/25/2008	ND	50.0000	141.1872
Nickel	ug/L	MW-344	04/22/2008	ND	50.0000	141.1872
Nickel	ug/L	MW-344	07/26/2008	ND	50.0000	141.1872
Nickel	ug/L	MW-344	08/27/2008	ND	50.0000	141.1872
Nickel	ug/L	MW-344	09/24/2008	ND	50.0000	141.1872
Nickel	ug/L	MW-344	03/18/2009	ND	50.0000	141.1872
Nickel	ug/L	MW-344	09/24/2009	ND	50.0000	141.1872
Nickel	ug/L	MW-344	03/25/2010		57.0000	141.1872
Nickel	ug/L	MW-344	09/22/2010		70.1000	141.1872
Nickel	ug/L	MW-344	03/28/2011	ND	50.0000	141.1872
Nickel	ug/L	MW-344	09/22/2011		60.9000	141.1872
Nickel	ug/L	MW-344	03/16/2012		98.3000	141.1872
Nickel	ug/L	MW-344	09/20/2012		84.2000	141.1872
Nickel	ug/L	MW-344	03/27/2013		164.0000 *	141.1872
Nickel	ug/L	MW-344	09/25/2013		110.0000	141.1872
Nickel	ug/L	MW-344	04/15/2014		51.3000	141.1872
Nickel	ug/L	MW-344	09/26/2014		131.0000	141.1872
Nickel	ug/L	MW-344	03/12/2015		107.0000	141.1872
Nickel	ug/L	MW-344	09/02/2015		152.0000 *	141.1872
Nickel	ug/L	MW-344	03/23/2016		202.0000 *	141.1872
Nickel	ug/L	MW-344	10/19/2016		44.2000	141.1872
Nickel	ug/L	MW-344	03/07/2017		89.1000	141.1872
Nickel	ug/L	MW-344	09/26/2017		21.5000	141.1872
Nickel	ug/L	MW-344	03/14/2018		82.9000	141.1872
Nickel	ug/L	MW-344	10/02/2018		133.0000	141.1872
Nickel	ug/L	MW-344	03/28/2019		91.0000	141.1872
Nickel	ug/L	MW-344	09/24/2019		278.0000 *	141.1872
Nickel	ug/L	MW-344	03/10/2020		156.0000 *	141.1872
Nickel	ug/L	MW-344	09/15/2020		205.0000 *	141.1872
Nickel	ug/L	MW-344	04/15/2021		214.0000 *	141.1872
Nickel	ug/L	MW-344	10/27/2021		189.0000 *	141.1872
Nickel	ug/L	MW-344	04/14/2022		267.0000 *	141.1872

* - Significantly increased over background.

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*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
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Constituent	Units	Well	Date		Result	Pred. Limit
Nickel	ug/L	MW-344	09/01/2022		178.0000 *	141.1872
Nickel	ug/L	MW-344	03/06/2023		165.0000 *	141.1872
Nickel	ug/L	MW-344	09/29/2023		124.0000	141.1872
Nickel	ug/L	MW-344	03/19/2024		108.0000	141.1872
Nickel	ug/L	MW-344	10/03/2024		147.0000 *	141.1872
Nickel	ug/L	MW-344	03/25/2025		147.0000 *	141.1872
Nickel	ug/L	MW-344	09/15/2025		136.0000	141.1872
Beryllium	ug/L	MW-380	03/25/2008		136.0000 *	1.0000
Beryllium	ug/L	MW-380	04/21/2008		12.6000 *	1.0000
Beryllium	ug/L	MW-380	07/26/2008		17.9000 *	1.0000
Beryllium	ug/L	MW-380	08/26/2008		22.3000 *	1.0000
Beryllium	ug/L	MW-380	09/24/2008		28.5000 *	1.0000
Beryllium	ug/L	MW-380	03/17/2009		16.0000 *	1.0000
Beryllium	ug/L	MW-380	09/24/2009		22.6000 *	1.0000
Beryllium	ug/L	MW-380	03/25/2010		12.9000 *	1.0000
Beryllium	ug/L	MW-380	09/22/2010		21.6000 *	1.0000
Beryllium	ug/L	MW-380	03/28/2011		16.6000 *	1.0000
Beryllium	ug/L	MW-380	09/22/2011		19.6000 *	1.0000
Beryllium	ug/L	MW-380	03/15/2012		8.5400 *	1.0000
Beryllium	ug/L	MW-380	09/19/2012		9.7200 *	1.0000
Beryllium	ug/L	MW-380	03/27/2013		6.4000 *	1.0000
Beryllium	ug/L	MW-380	09/25/2013		17.6000 *	1.0000
Beryllium	ug/L	MW-380	04/16/2014		5.1300 *	1.0000
Beryllium	ug/L	MW-380	09/26/2014		8.0700 *	1.0000
Beryllium	ug/L	MW-380	03/11/2015	ND	10.0000	1.0000
Beryllium	ug/L	MW-380	09/02/2015	ND	30.0000	1.0000
Beryllium	ug/L	MW-380	03/23/2016		7.2300 *	1.0000
Beryllium	ug/L	MW-380	10/20/2016		6.1100 *	1.0000
Beryllium	ug/L	MW-380	03/09/2017		11.6000 *	1.0000
Beryllium	ug/L	MW-380	09/26/2017		4.7200 *	1.0000
Beryllium	ug/L	MW-380	03/14/2018		6.9000 *	1.0000
Beryllium	ug/L	MW-380	10/02/2018		6.9900 *	1.0000
Beryllium	ug/L	MW-380	03/28/2019		5.1500 *	1.0000
Beryllium	ug/L	MW-380	09/24/2019		2.8600 *	1.0000
Beryllium	ug/L	MW-380	03/10/2020		2.8500 *	1.0000
Beryllium	ug/L	MW-380	09/15/2020		7.5100 *	1.0000
Beryllium	ug/L	MW-380	04/15/2021		7.4200 *	1.0000
Beryllium	ug/L	MW-380	10/27/2021		6.2200 *	1.0000
Beryllium	ug/L	MW-380	04/13/2022	ND	2.7000	1.0000
Beryllium	ug/L	MW-380	09/01/2022	ND	4.0000	1.0000
Beryllium	ug/L	MW-380	03/06/2023		4.7000 *	1.0000
Beryllium	ug/L	MW-380	09/29/2023		5.0000 *	1.0000
Beryllium	ug/L	MW-380	03/18/2024		4.9000 *	1.0000
Beryllium	ug/L	MW-380	10/03/2024	ND	4.0000	1.0000
Beryllium	ug/L	MW-380	03/25/2025		0.6000	1.0000
Beryllium	ug/L	MW-380	09/15/2025		1.8000 *	1.0000
Cadmium	ug/L	MW-380	03/25/2008		12.2000 *	1.1900
Cadmium	ug/L	MW-380	04/21/2008		14.8000 *	1.1900

* - Significantly increased over background.

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*** - Manual exclusion.

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Table 8

**Historical Downgradient Data for Constituent-Well Combinations
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Constituent	Units	Well	Date		Result	Pred. Limit
Cadmium	ug/L	MW-380	07/26/2008		20.1000 *	1.1900
Cadmium	ug/L	MW-380	08/26/2008		18.8000 *	1.1900
Cadmium	ug/L	MW-380	09/24/2008		27.0000 *	1.1900
Cadmium	ug/L	MW-380	03/17/2009		17.5000 *	1.1900
Cadmium	ug/L	MW-380	09/24/2009		18.0000 *	1.1900
Cadmium	ug/L	MW-380	03/25/2010		16.2000 *	1.1900
Cadmium	ug/L	MW-380	09/22/2010		17.1000 *	1.1900
Cadmium	ug/L	MW-380	03/28/2011		15.0000 *	1.1900
Cadmium	ug/L	MW-380	09/22/2011		16.1000 *	1.1900
Cadmium	ug/L	MW-380	03/15/2012		9.0000 *	1.1900
Cadmium	ug/L	MW-380	09/19/2012		14.7000 *	1.1900
Cadmium	ug/L	MW-380	03/27/2013		5.3900 *	1.1900
Cadmium	ug/L	MW-380	09/25/2013		21.2000 *	1.1900
Cadmium	ug/L	MW-380	04/16/2014		7.1800 *	1.1900
Cadmium	ug/L	MW-380	09/26/2014		12.7000 *	1.1900
Cadmium	ug/L	MW-380	03/11/2015		15.9000 *	1.1900
Cadmium	ug/L	MW-380	09/02/2015		10.5000 *	1.1900
Cadmium	ug/L	MW-380	03/23/2016		6.3300 *	1.1900
Cadmium	ug/L	MW-380	10/20/2016		9.9800 *	1.1900
Cadmium	ug/L	MW-380	03/09/2017		57.4000 *	1.1900
Cadmium	ug/L	MW-380	06/28/2017		5.2100 *	1.1900
Cadmium	ug/L	MW-380	09/26/2017		9.2900 *	1.1900
Cadmium	ug/L	MW-380	03/14/2018		10.6000 *	1.1900
Cadmium	ug/L	MW-380	10/02/2018		12.5000 *	1.1900
Cadmium	ug/L	MW-380	03/28/2019		4.4000 *	1.1900
Cadmium	ug/L	MW-380	09/24/2019		6.8800 *	1.1900
Cadmium	ug/L	MW-380	03/10/2020		5.9000 *	1.1900
Cadmium	ug/L	MW-380	09/15/2020		8.9400 *	1.1900
Cadmium	ug/L	MW-380	04/15/2021		10.5000 *	1.1900
Cadmium	ug/L	MW-380	10/27/2021		7.2500 *	1.1900
Cadmium	ug/L	MW-380	04/13/2022		1.3600 *	1.1900
Cadmium	ug/L	MW-380	09/01/2022	ND	0.8000	1.1900
Cadmium	ug/L	MW-380	03/06/2023		3.1000 *	1.1900
Cadmium	ug/L	MW-380	09/29/2023		9.2000 *	1.1900
Cadmium	ug/L	MW-380	03/18/2024		36.5000 *	1.1900
Cadmium	ug/L	MW-380	10/03/2024	ND	0.8000	1.1900
Cadmium	ug/L	MW-380	03/25/2025		5.6000 *	1.1900
Cadmium	ug/L	MW-380	09/15/2025		7.7000 *	1.1900
Cobalt	ug/L	MW-380	03/25/2008		1180.0000 *	138.9681
Cobalt	ug/L	MW-380	04/21/2008		1250.0000 *	138.9681
Cobalt	ug/L	MW-380	07/26/2008		1510.0000 *	138.9681
Cobalt	ug/L	MW-380	08/26/2008		1310.0000 *	138.9681
Cobalt	ug/L	MW-380	09/24/2008		1480.0000 *	138.9681
Cobalt	ug/L	MW-380	03/17/2009		1400.0000 *	138.9681
Cobalt	ug/L	MW-380	09/24/2009		1490.0000 *	138.9681
Cobalt	ug/L	MW-380	03/25/2010		1250.0000 *	138.9681
Cobalt	ug/L	MW-380	09/22/2010		1390.0000 *	138.9681
Cobalt	ug/L	MW-380	03/28/2011		1410.0000 *	138.9681

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Table 8

**Historical Downgradient Data for Constituent-Well Combinations
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Constituent	Units	Well	Date		Result	Pred. Limit
Cobalt	ug/L	MW-380	09/22/2011	ND	1270.0000 *	138.9681
Cobalt	ug/L	MW-380	03/15/2012		1500.0000 *	138.9681
Cobalt	ug/L	MW-380	09/19/2012		1420.0000 *	138.9681
Cobalt	ug/L	MW-380	03/27/2013		1120.0000 *	138.9681
Cobalt	ug/L	MW-380	09/25/2013		1450.0000 *	138.9681
Cobalt	ug/L	MW-380	04/16/2014		563.0000 *	138.9681
Cobalt	ug/L	MW-380	09/26/2014		1140.0000 *	138.9681
Cobalt	ug/L	MW-380	03/11/2015		1490.0000 *	138.9681
Cobalt	ug/L	MW-380	09/02/2015		15.0000	138.9681
Cobalt	ug/L	MW-380	03/23/2016		1120.0000 *	138.9681
Cobalt	ug/L	MW-380	10/20/2016		1150.0000 *	138.9681
Cobalt	ug/L	MW-380	03/09/2017		1840.0000 *	138.9681
Cobalt	ug/L	MW-380	09/26/2017		1290.0000 *	138.9681
Cobalt	ug/L	MW-380	03/14/2018		1430.0000 *	138.9681
Cobalt	ug/L	MW-380	10/02/2018		1040.0000 *	138.9681
Cobalt	ug/L	MW-380	03/28/2019		607.0000 *	138.9681
Cobalt	ug/L	MW-380	09/24/2019		867.0000 *	138.9681
Cobalt	ug/L	MW-380	03/10/2020		856.0000 *	138.9681
Cobalt	ug/L	MW-380	09/15/2020		1180.0000 *	138.9681
Cobalt	ug/L	MW-380	04/15/2021		1150.0000 *	138.9681
Cobalt	ug/L	MW-380	10/27/2021		795.0000 *	138.9681
Cobalt	ug/L	MW-380	04/13/2022		701.0000 *	138.9681
Cobalt	ug/L	MW-380	09/01/2022		407.0000 *	138.9681
Cobalt	ug/L	MW-380	03/06/2023		758.0000 *	138.9681
Cobalt	ug/L	MW-380	09/29/2023		1130.0000 *	138.9681
Cobalt	ug/L	MW-380	03/18/2024		936.0000 *	138.9681
Cobalt	ug/L	MW-380	10/03/2024		263.0000 *	138.9681
Cobalt	ug/L	MW-380	03/25/2025		115.0000	138.9681
Cobalt	ug/L	MW-380	09/15/2025		314.0000 *	138.9681
Nickel	ug/L	MW-380	03/25/2008		1750.0000 *	141.1872
Nickel	ug/L	MW-380	04/21/2008		1930.0000 *	141.1872
Nickel	ug/L	MW-380	07/26/2008		2260.0000 *	141.1872
Nickel	ug/L	MW-380	08/26/2008		1940.0000 *	141.1872
Nickel	ug/L	MW-380	09/24/2008		2230.0000 *	141.1872
Nickel	ug/L	MW-380	03/17/2009		1990.0000 *	141.1872
Nickel	ug/L	MW-380	09/24/2009		2220.0000 *	141.1872
Nickel	ug/L	MW-380	03/25/2010		1810.0000 *	141.1872
Nickel	ug/L	MW-380	09/22/2010		2010.0000 *	141.1872
Nickel	ug/L	MW-380	03/28/2011		2090.0000 *	141.1872
Nickel	ug/L	MW-380	09/22/2011		1870.0000 *	141.1872
Nickel	ug/L	MW-380	03/15/2012		2130.0000 *	141.1872
Nickel	ug/L	MW-380	09/19/2012		2120.0000 *	141.1872
Nickel	ug/L	MW-380	03/27/2013		1600.0000 *	141.1872
Nickel	ug/L	MW-380	09/25/2013		2140.0000 *	141.1872
Nickel	ug/L	MW-380	04/16/2014		818.0000 *	141.1872
Nickel	ug/L	MW-380	09/26/2014		1650.0000 *	141.1872
Nickel	ug/L	MW-380	03/11/2015		1290.0000 *	141.1872
Nickel	ug/L	MW-380	09/02/2015		1970.0000 *	141.1872

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**Historical Downgradient Data for Constituent-Well Combinations
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Constituent	Units	Well	Date		Result	Pred. Limit
Nickel	ug/L	MW-380	03/23/2016		1450.0000 *	141.1872
Nickel	ug/L	MW-380	10/20/2016		1430.0000 *	141.1872
Nickel	ug/L	MW-380	03/09/2017		2660.0000 *	141.1872
Nickel	ug/L	MW-380	09/26/2017		1270.0000 *	141.1872
Nickel	ug/L	MW-380	03/14/2018		2070.0000 *	141.1872
Nickel	ug/L	MW-380	10/02/2018		1440.0000 *	141.1872
Nickel	ug/L	MW-380	03/28/2019		807.0000 *	141.1872
Nickel	ug/L	MW-380	09/24/2019		1270.0000 *	141.1872
Nickel	ug/L	MW-380	03/10/2020		1130.0000 *	141.1872
Nickel	ug/L	MW-380	09/15/2020		1670.0000 *	141.1872
Nickel	ug/L	MW-380	04/15/2021		1450.0000 *	141.1872
Nickel	ug/L	MW-380	10/27/2021		1100.0000 *	141.1872
Nickel	ug/L	MW-380	04/13/2022		1020.0000 *	141.1872
Nickel	ug/L	MW-380	09/01/2022		531.0000 *	141.1872
Nickel	ug/L	MW-380	03/06/2023		965.0000 *	141.1872
Nickel	ug/L	MW-380	09/29/2023		1410.0000 *	141.1872
Nickel	ug/L	MW-380	03/18/2024		1290.0000 *	141.1872
Nickel	ug/L	MW-380	10/03/2024		440.0000 *	141.1872
Nickel	ug/L	MW-380	03/25/2025		237.0000 *	141.1872
Nickel	ug/L	MW-380	09/15/2025		485.0000 *	141.1872
Cobalt	ug/L	MW-602	03/09/2020		168.0000 *	138.9681
Cobalt	ug/L	MW-602	09/17/2020		216.0000 *	138.9681
Cobalt	ug/L	MW-602	04/15/2021		236.0000 *	138.9681
Cobalt	ug/L	MW-602	10/28/2021		205.0000 *	138.9681
Cobalt	ug/L	MW-602	04/13/2022		198.0000 *	138.9681
Cobalt	ug/L	MW-602	09/01/2022		247.0000 *	138.9681
Cobalt	ug/L	MW-602	03/06/2023		194.0000 *	138.9681
Cobalt	ug/L	MW-602	09/29/2023		203.0000 *	138.9681
Cobalt	ug/L	MW-602	03/19/2024		198.0000 *	138.9681
Cobalt	ug/L	MW-602	10/03/2024		236.0000 *	138.9681
Cobalt	ug/L	MW-602	03/25/2025		185.0000 *	138.9681
Cobalt	ug/L	MW-602	09/15/2025		252.0000 *	138.9681
Nickel	ug/L	MW-602	03/09/2020		242.0000 *	141.1872
Nickel	ug/L	MW-602	09/17/2020		324.0000 *	141.1872
Nickel	ug/L	MW-602	04/15/2021		345.0000 *	141.1872
Nickel	ug/L	MW-602	10/28/2021		296.0000 *	141.1872
Nickel	ug/L	MW-602	04/13/2022		253.0000 *	141.1872
Nickel	ug/L	MW-602	09/01/2022		356.0000 *	141.1872
Nickel	ug/L	MW-602	03/06/2023		270.0000 *	141.1872
Nickel	ug/L	MW-602	09/29/2023		289.0000 *	141.1872
Nickel	ug/L	MW-602	03/19/2024		299.0000 *	141.1872
Nickel	ug/L	MW-602	10/03/2024		361.0000 *	141.1872
Nickel	ug/L	MW-602	03/25/2025		254.0000 *	141.1872
Nickel	ug/L	MW-602	09/15/2025		367.0000 *	141.1872
Nickel	ug/L	MW-604	09/26/2024		128.0000	141.1872
Nickel	ug/L	MW-604	10/03/2024		119.0000	141.1872
Nickel	ug/L	MW-604	03/25/2025		104.0000	141.1872
Nickel	ug/L	MW-604	09/15/2025		145.0000 *	141.1872

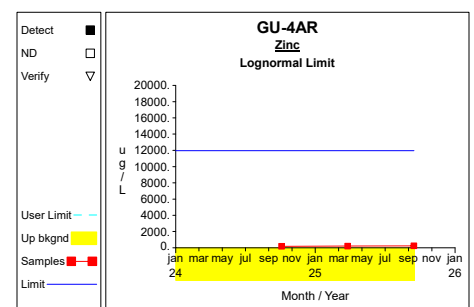
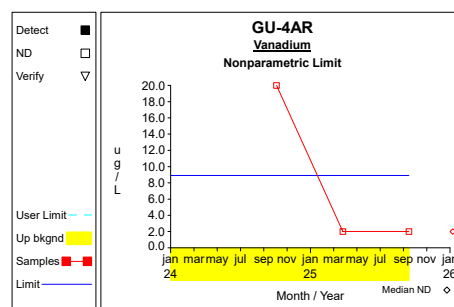
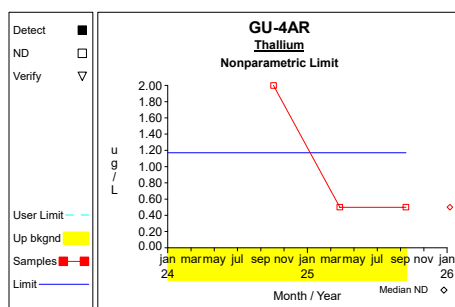
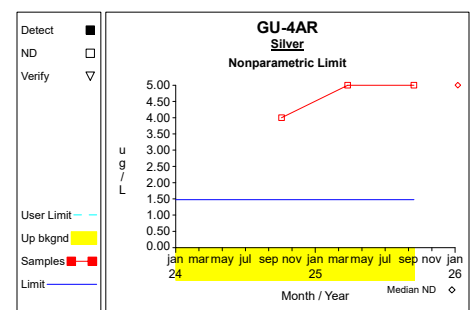
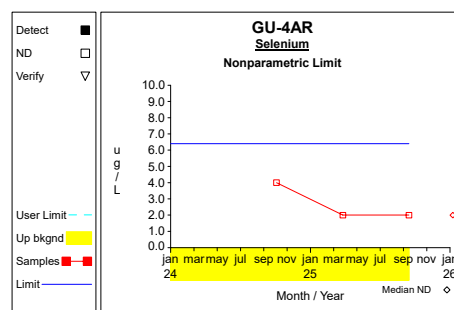
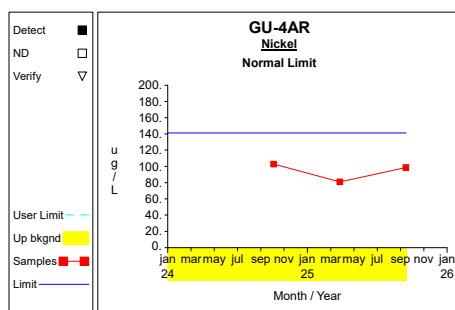
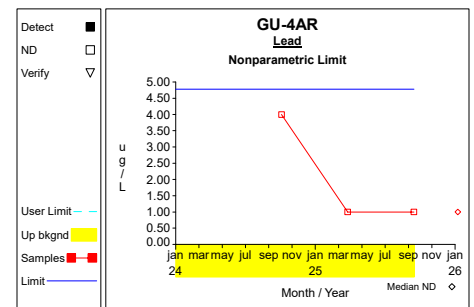
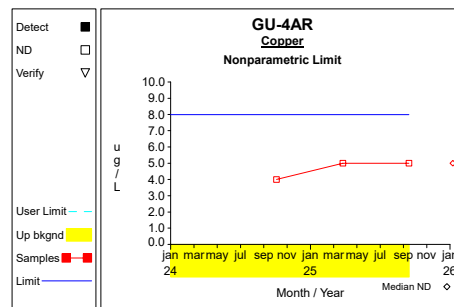
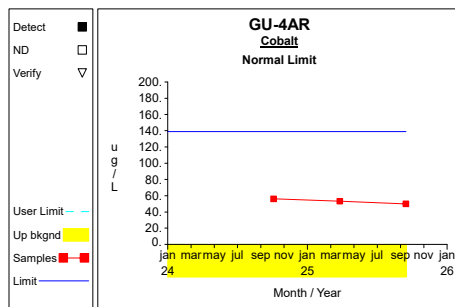
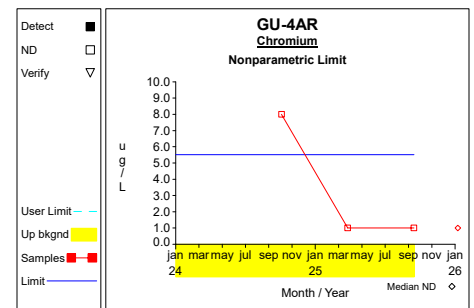
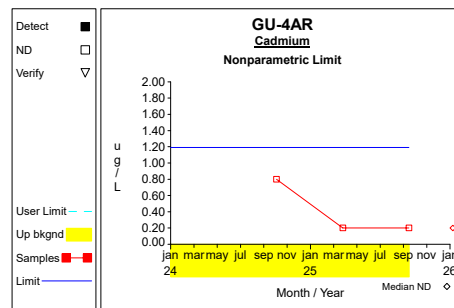
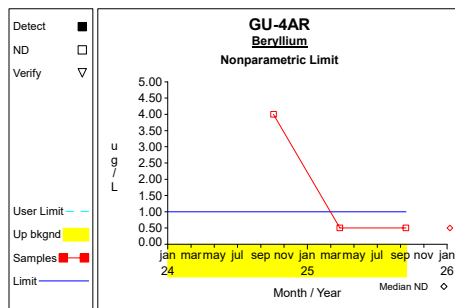
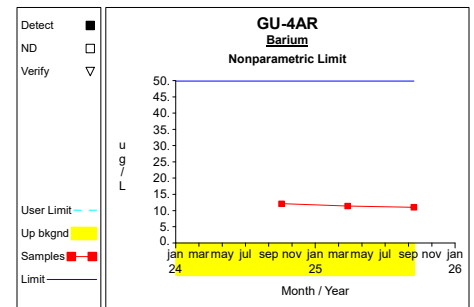
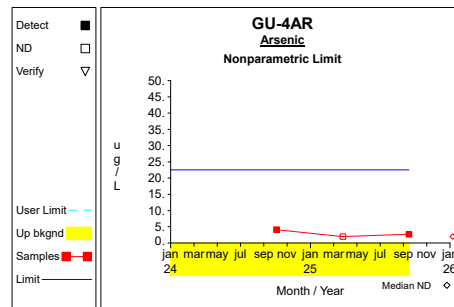
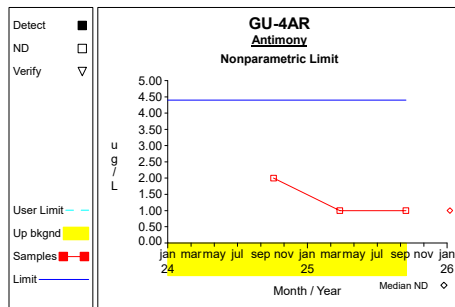
* - Significantly increased over background.

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

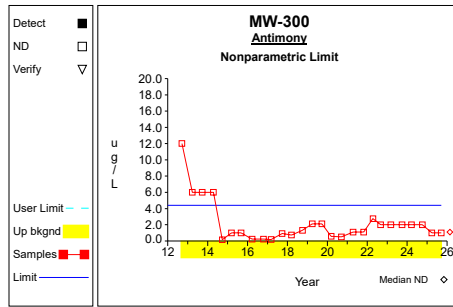
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

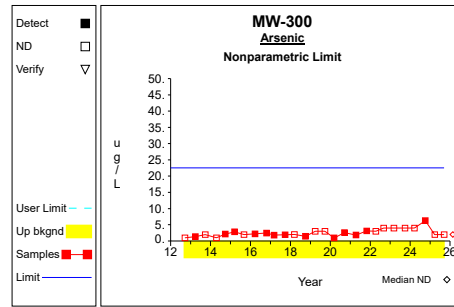
Up vs. Down Prediction Limits



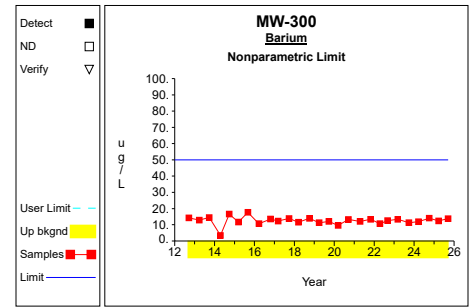
Up vs. Down Prediction Limits



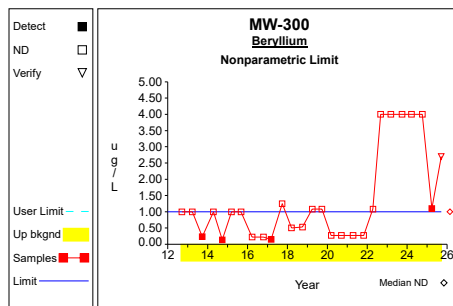
Graph 16



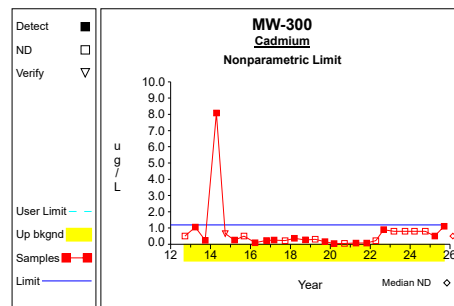
Graph 17



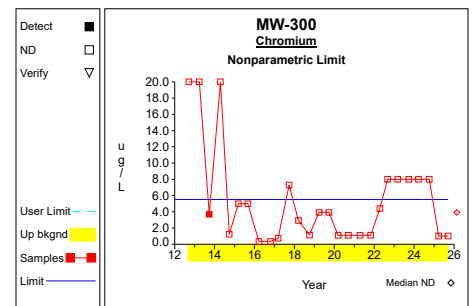
Graph 18



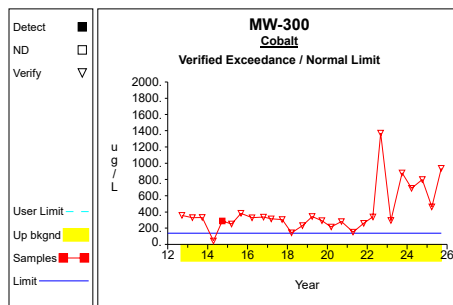
Graph 19



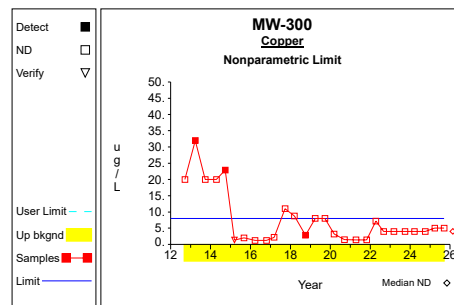
Graph 20



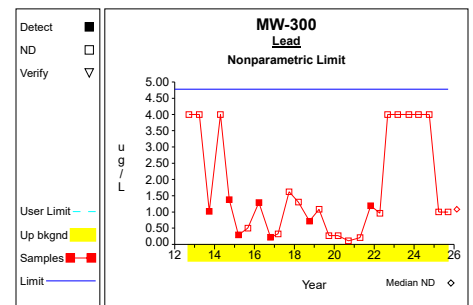
Graph 21



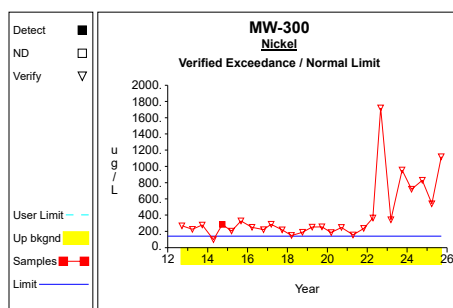
Graph 22



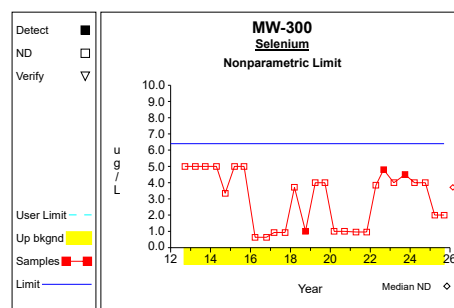
Graph 23



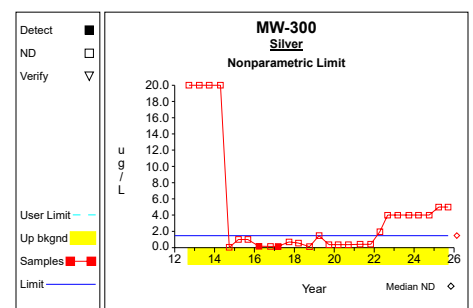
Graph 24



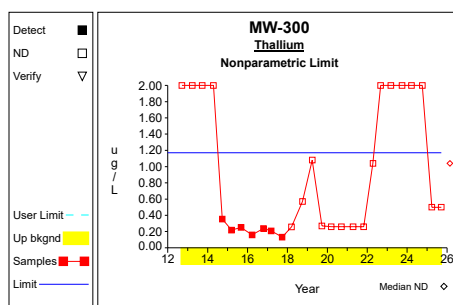
Graph 25



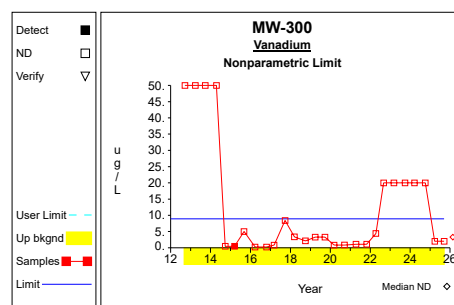
Graph 26



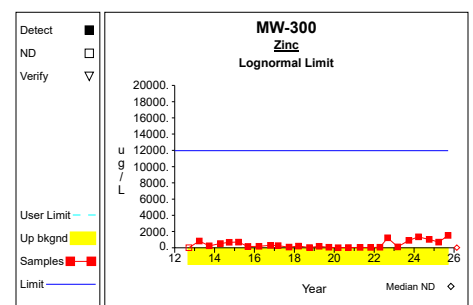
Graph 27



Graph 28

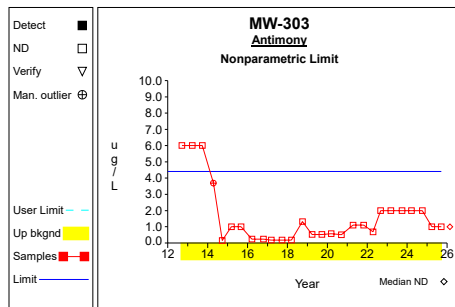


Graph 29

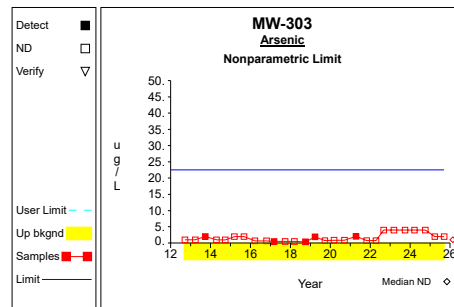


Graph 30

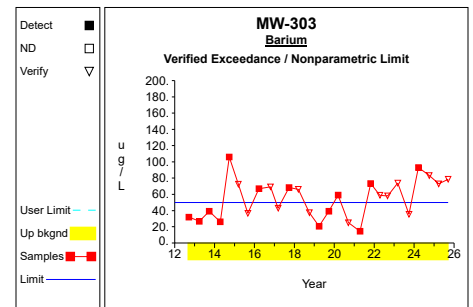
Up vs. Down Prediction Limits



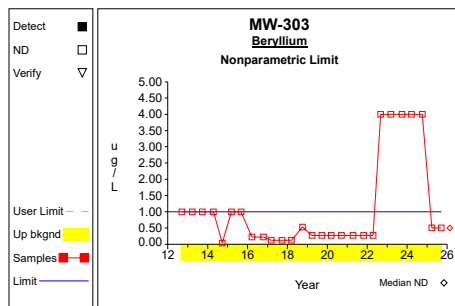
Graph 31



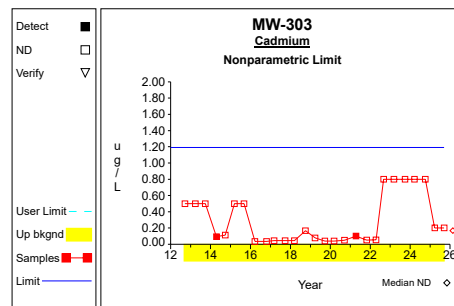
Graph 32



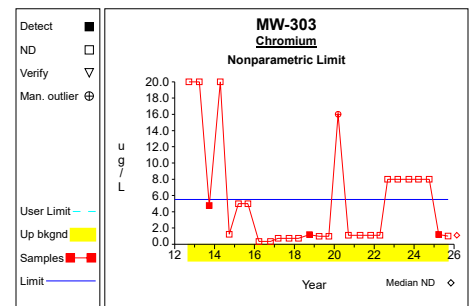
Graph 33



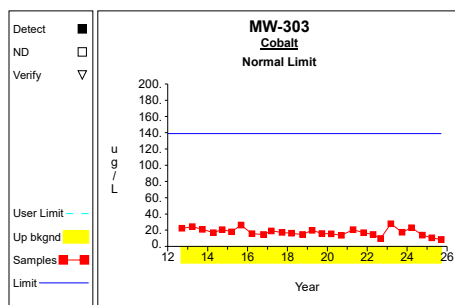
Graph 34



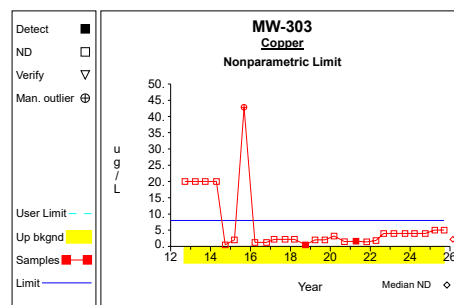
Graph 35



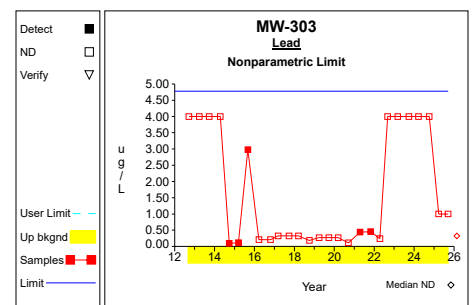
Graph 36



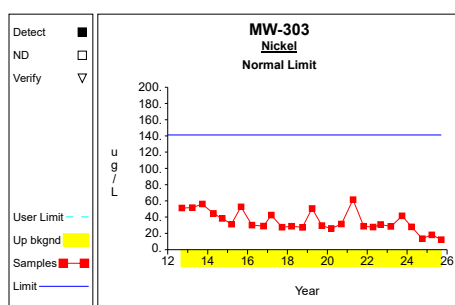
Graph 37



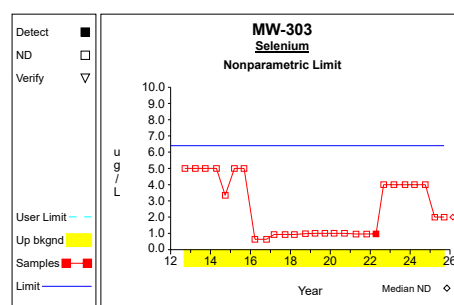
Graph 38



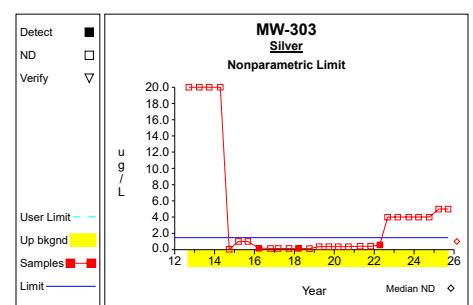
Graph 39



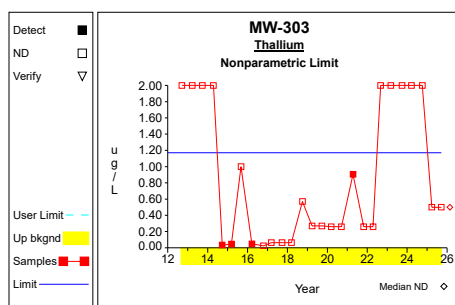
Graph 40



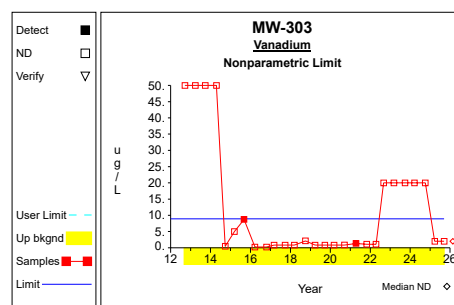
Graph 41



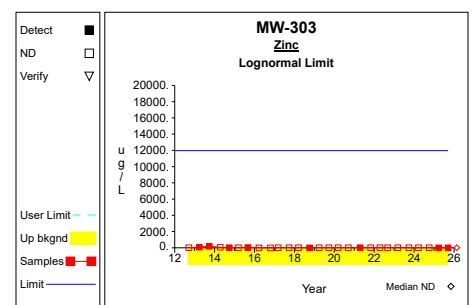
Graph 42



Graph 43

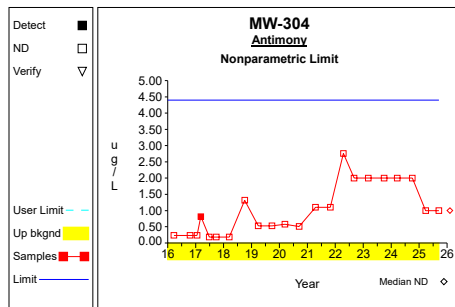


Graph 44

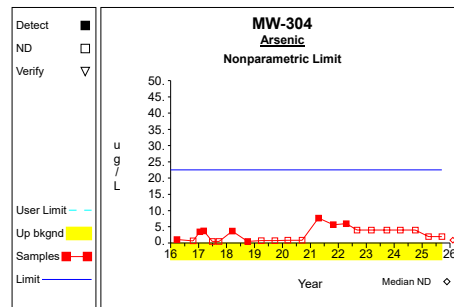


Graph 45

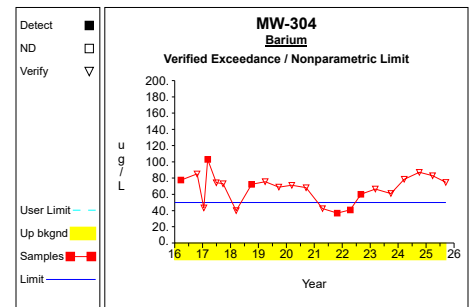
Up vs. Down Prediction Limits



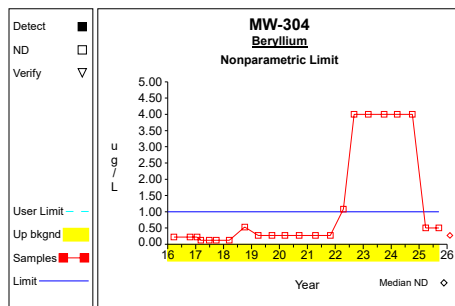
Graph 46



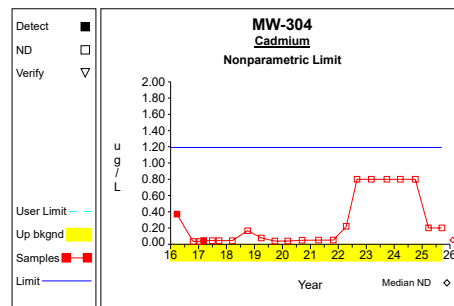
Graph 47



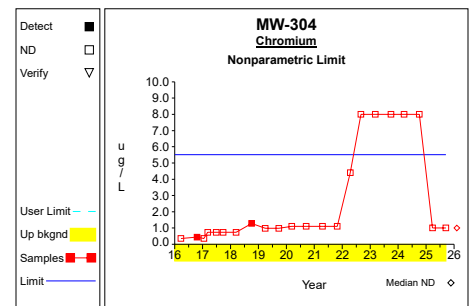
Graph 48



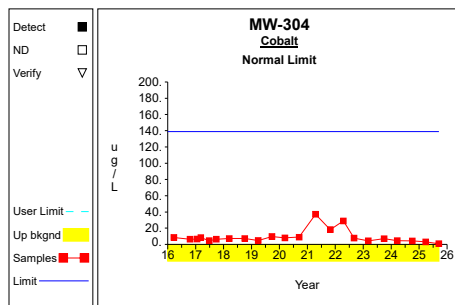
Graph 49



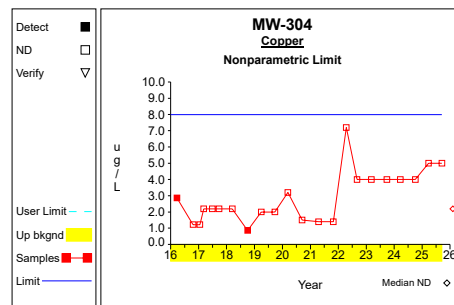
Graph 50



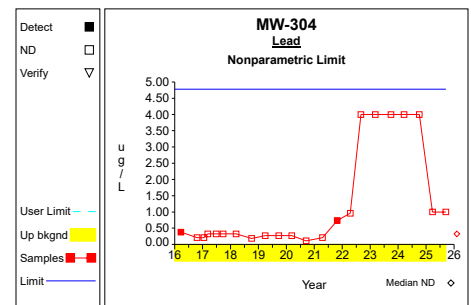
Graph 51



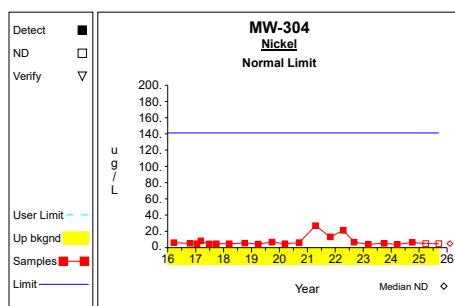
Graph 52



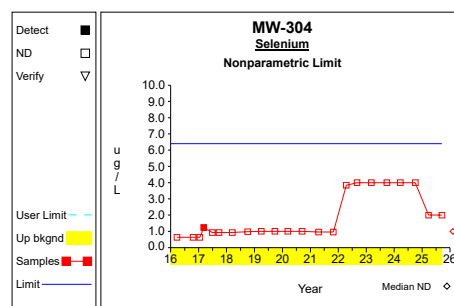
Graph 53



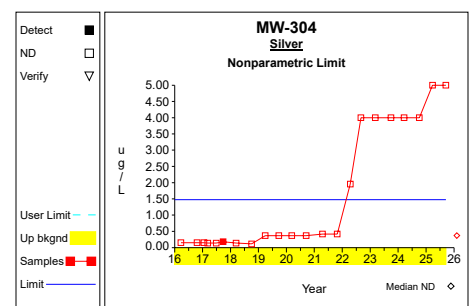
Graph 54



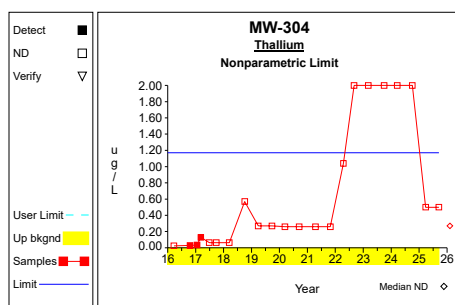
Graph 55



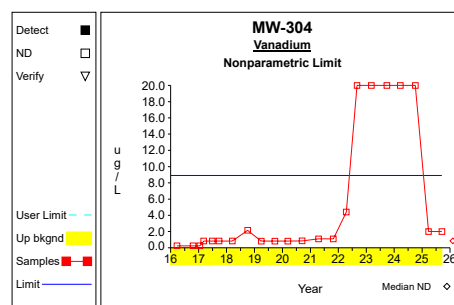
Graph 56



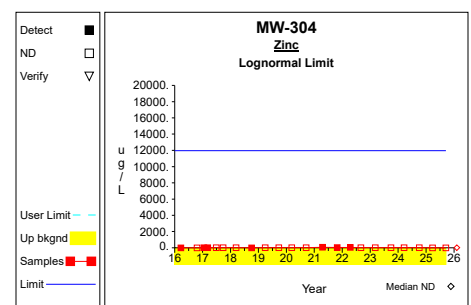
Graph 57



Graph 58

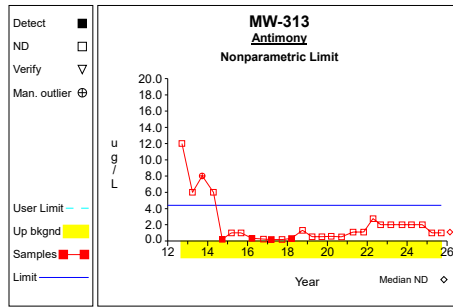


Graph 59

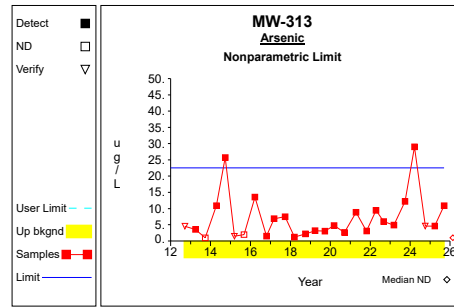


Graph 60

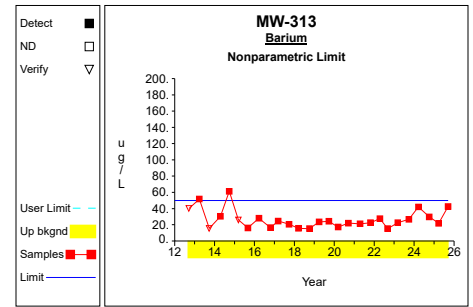
Up vs. Down Prediction Limits



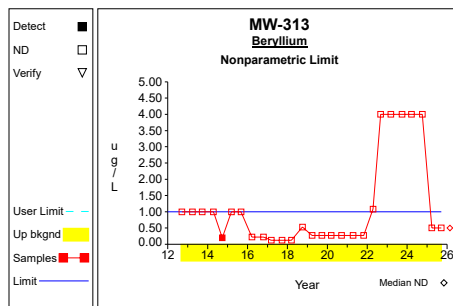
Graph 61



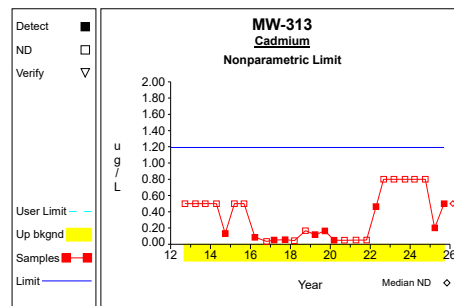
Graph 62



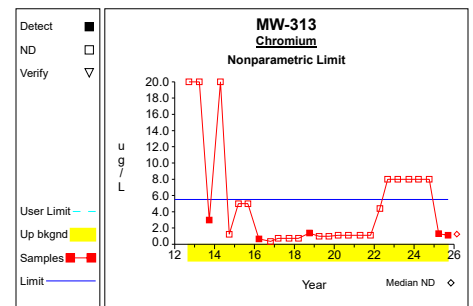
Graph 63



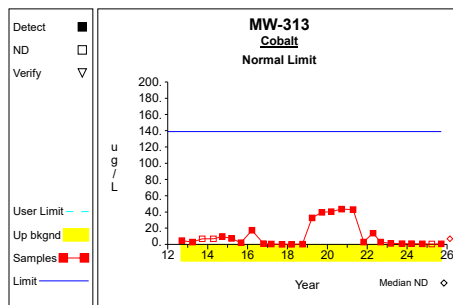
Graph 64



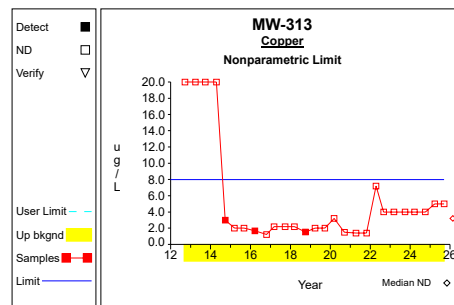
Graph 65



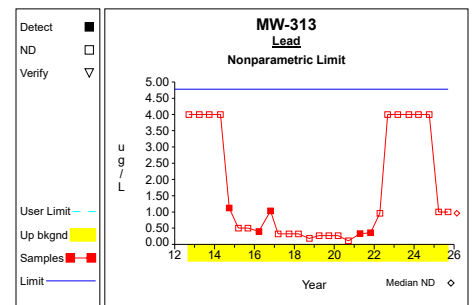
Graph 66



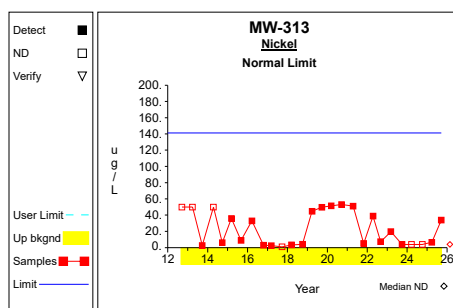
Graph 67



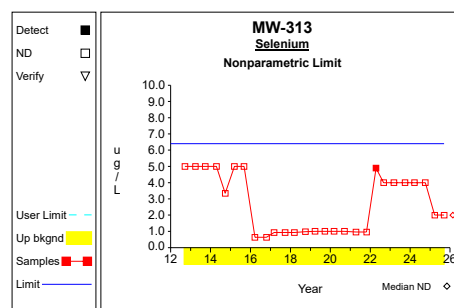
Graph 68



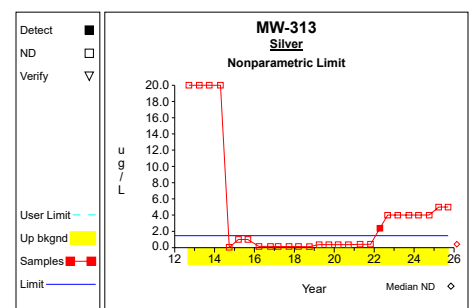
Graph 69



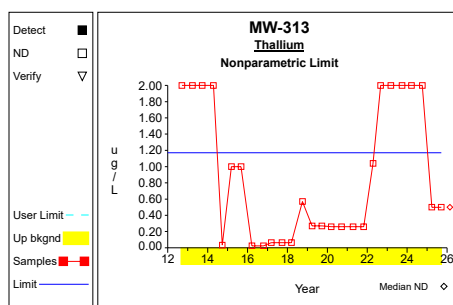
Graph 70



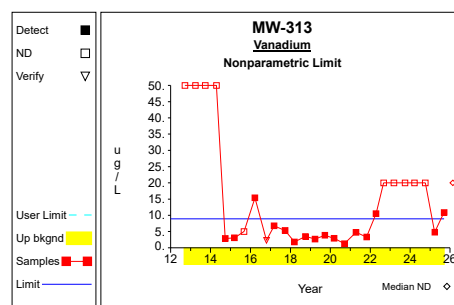
Graph 71



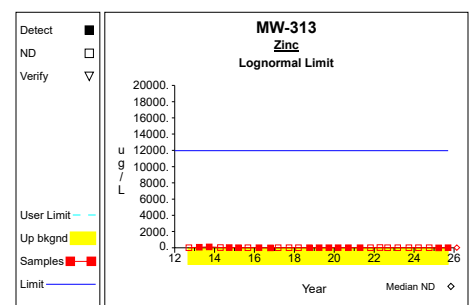
Graph 72



Graph 73

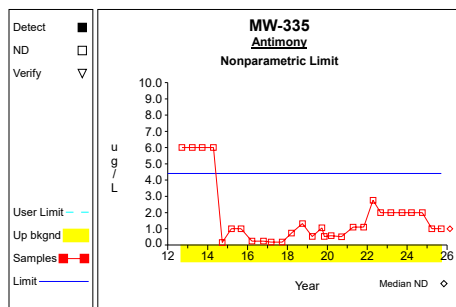


Graph 74

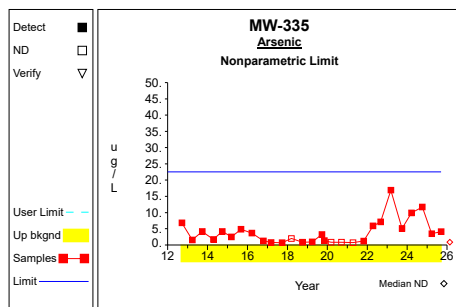


Graph 75

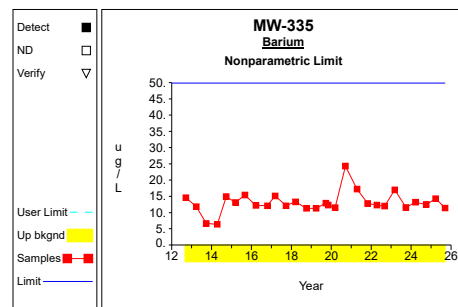
Up vs. Down Prediction Limits



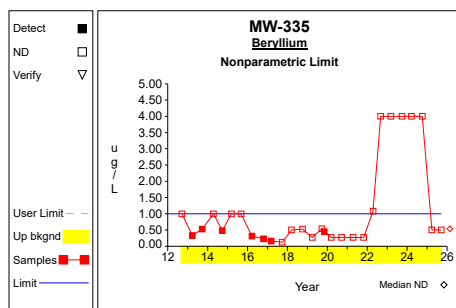
Graph 76



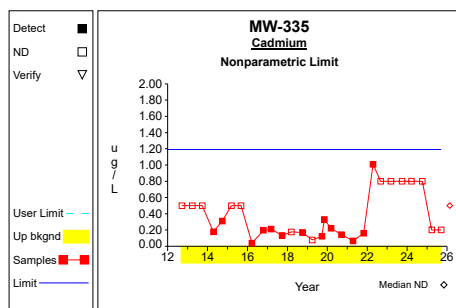
Graph 77



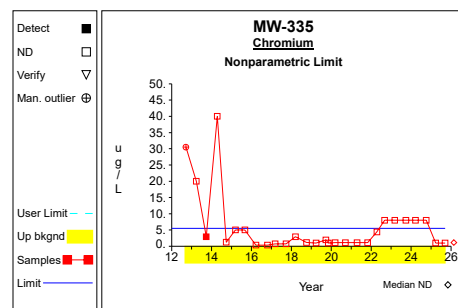
Graph 78



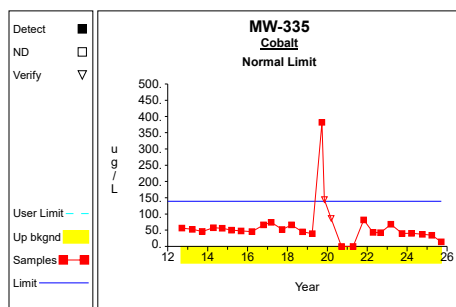
Graph 79



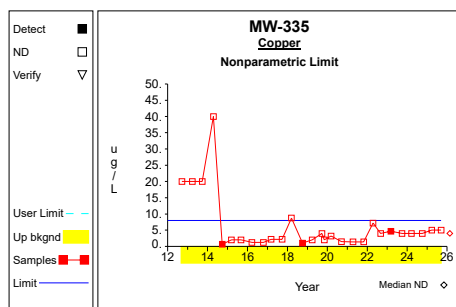
Graph 80



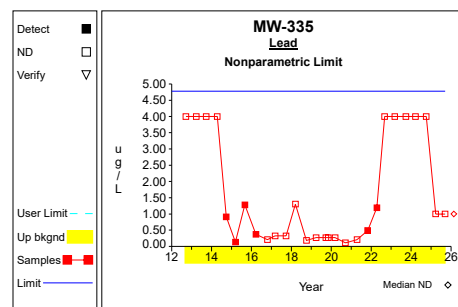
Graph 81



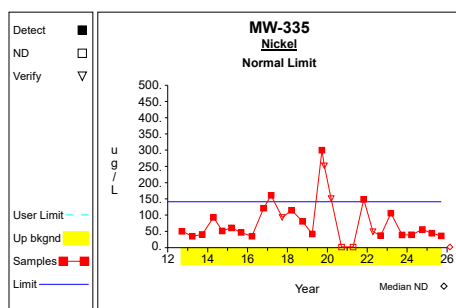
Graph 82



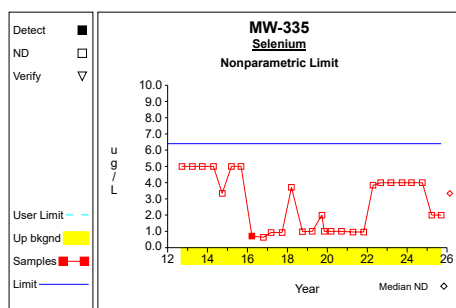
Graph 83



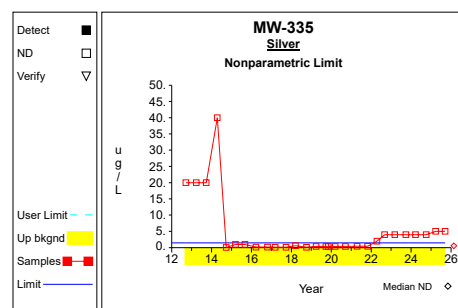
Graph 84



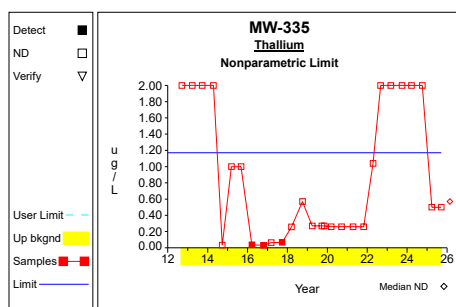
Graph 85



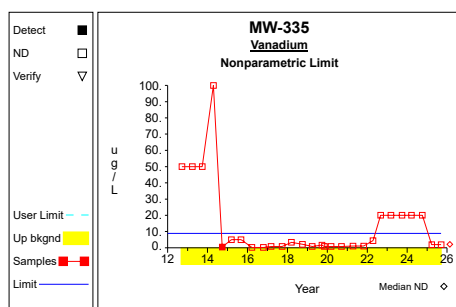
Graph 86



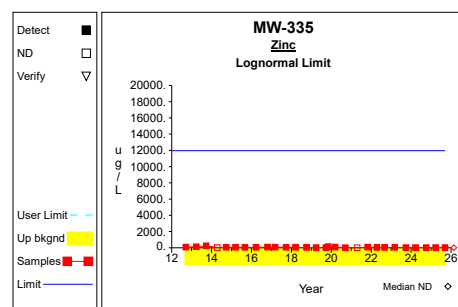
Graph 87



Graph 88

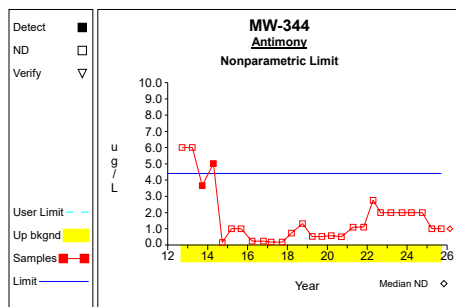


Graph 89

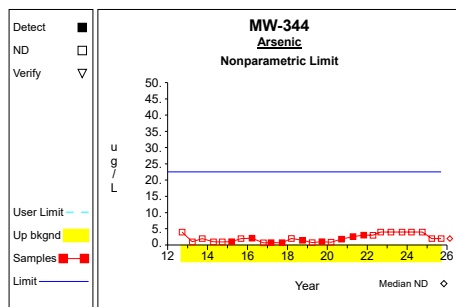


Graph 90

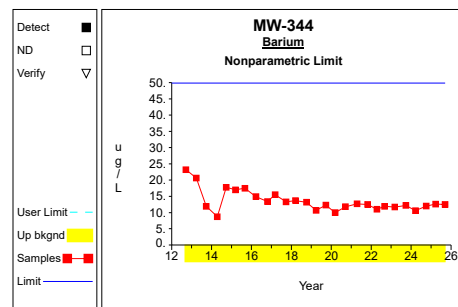
Up vs. Down Prediction Limits



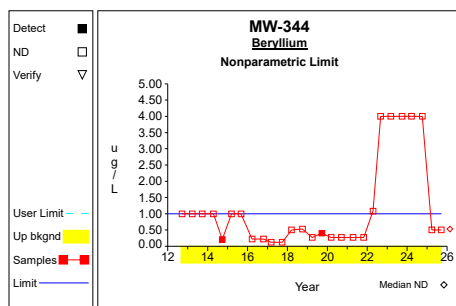
Graph 91



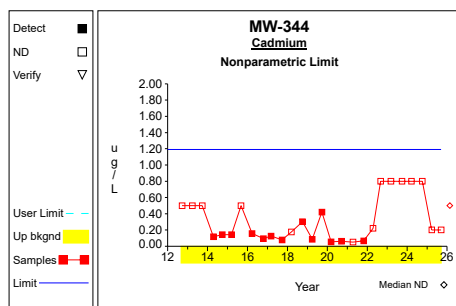
Graph 92



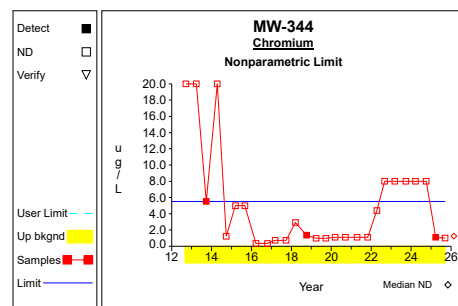
Graph 93



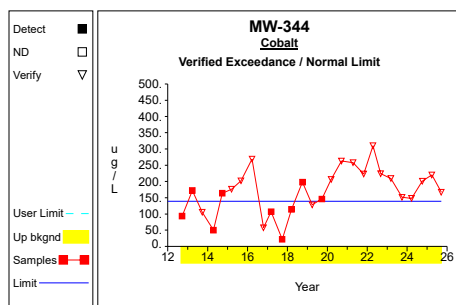
Graph 94



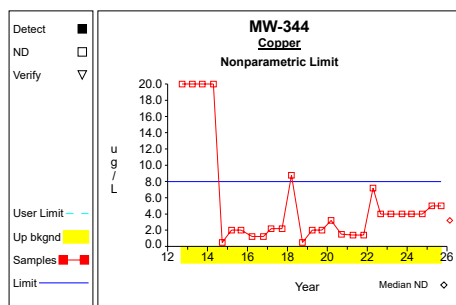
Graph 95



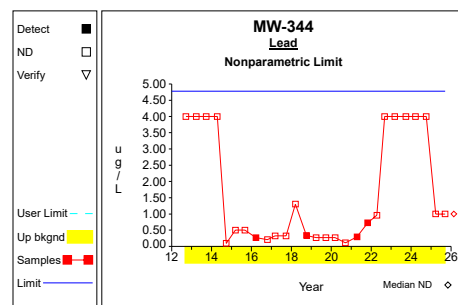
Graph 96



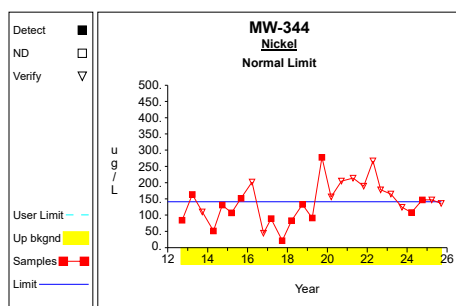
Graph 97



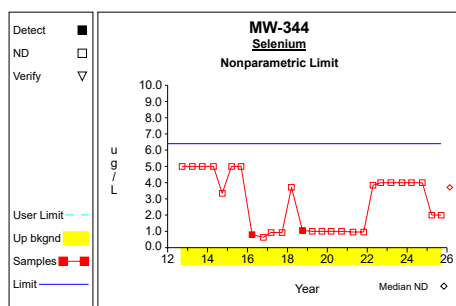
Graph 98



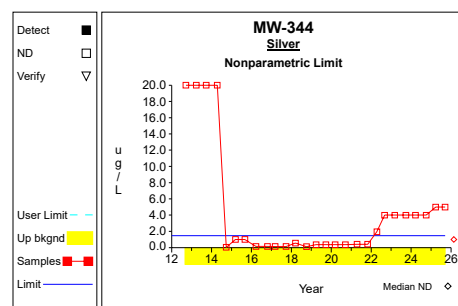
Graph 99



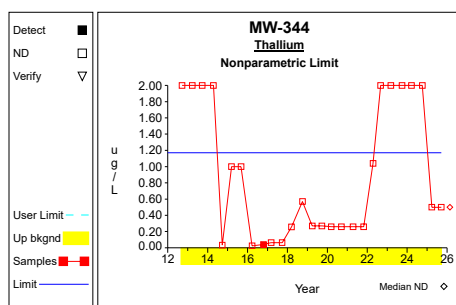
Graph 100



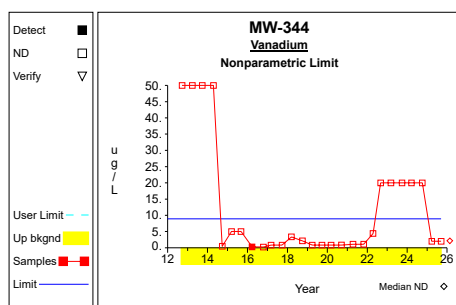
Graph 101



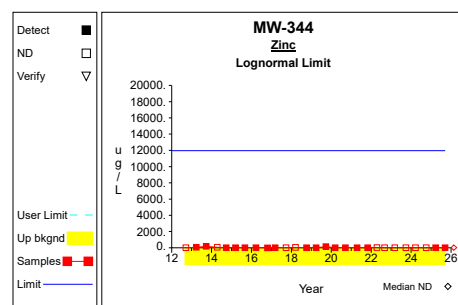
Graph 102



Graph 103

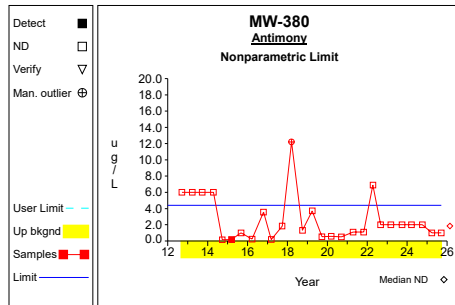


Graph 104

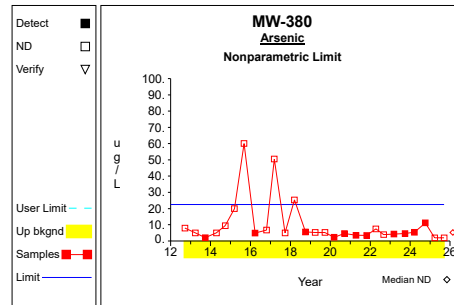


Graph 105

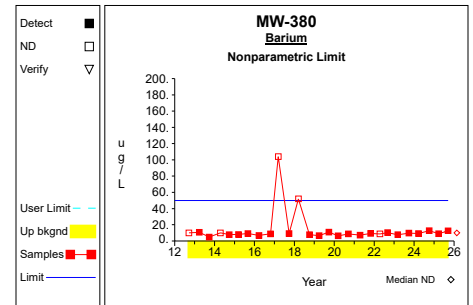
Up vs. Down Prediction Limits



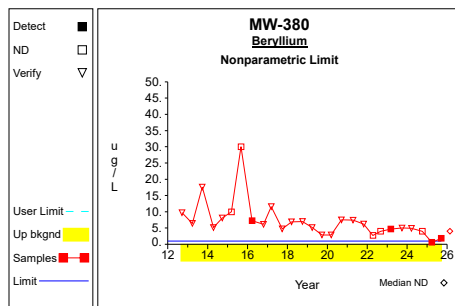
Graph 106



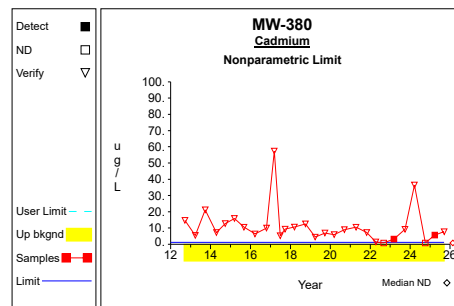
Graph 107



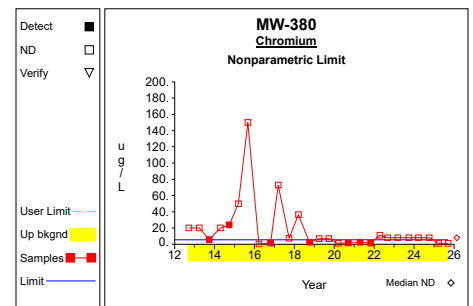
Graph 108



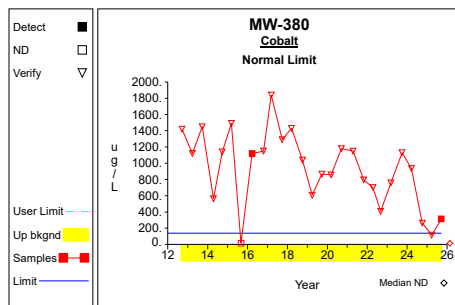
Graph 109



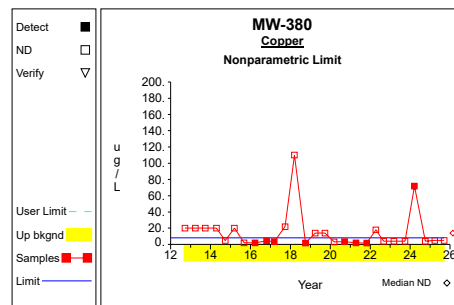
Graph 110



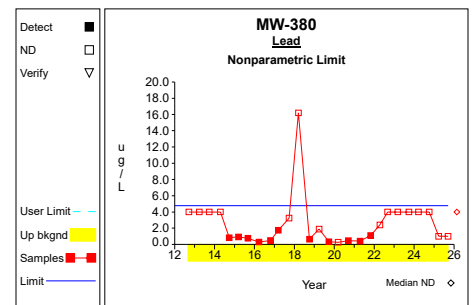
Graph 111



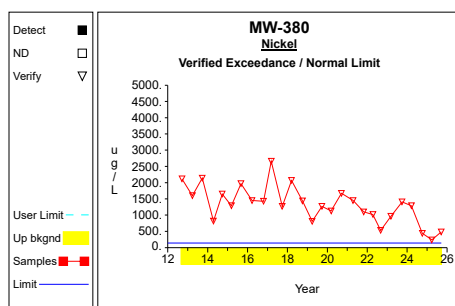
Graph 112



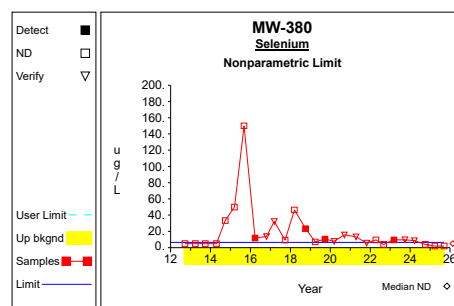
Graph 113



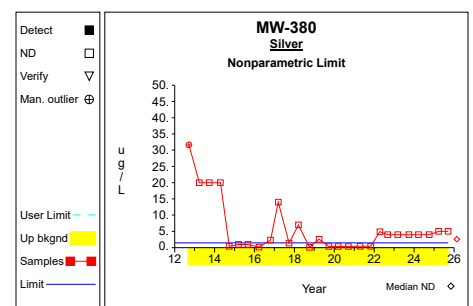
Graph 114



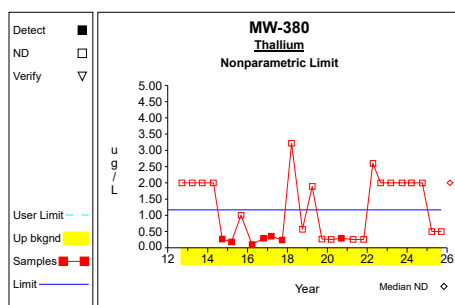
Graph 115



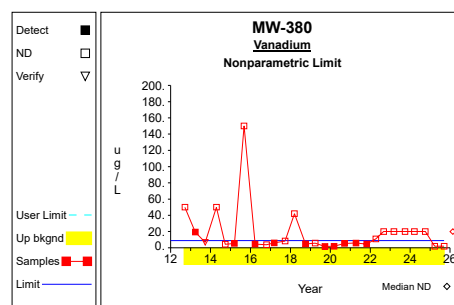
Graph 116



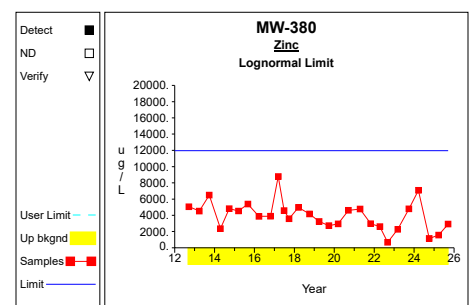
Graph 117



Graph 118

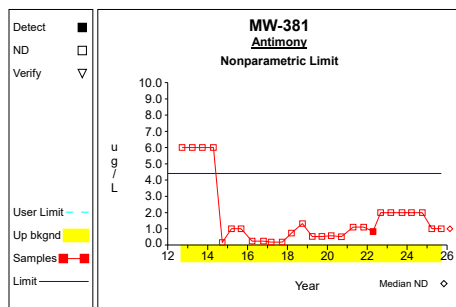


Graph 119

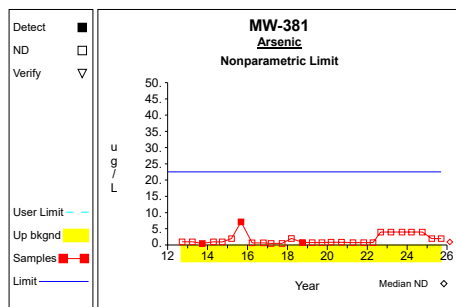


Graph 120

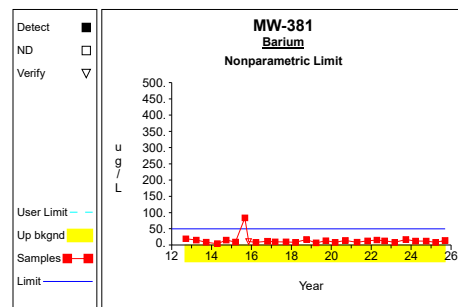
Up vs. Down Prediction Limits



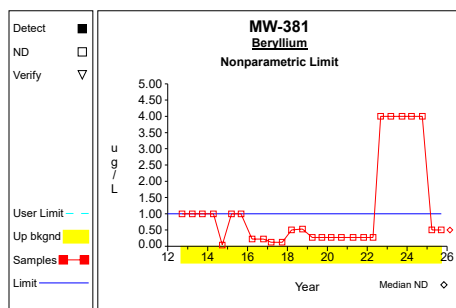
Graph 121



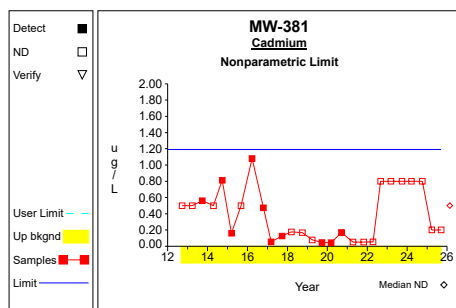
Graph 122



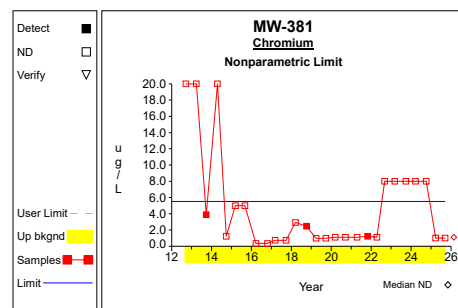
Graph 123



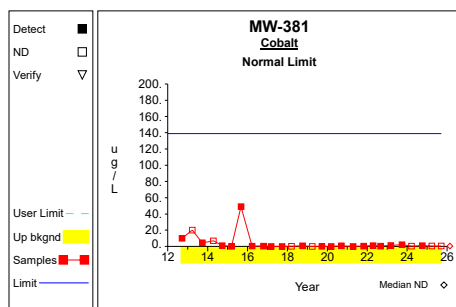
Graph 124



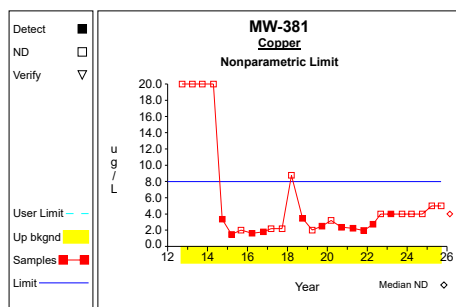
Graph 125



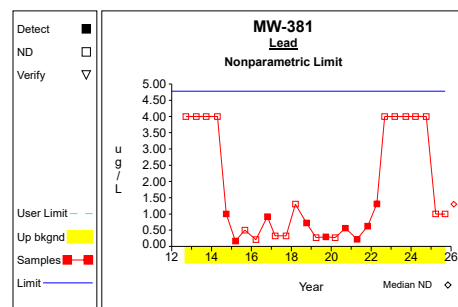
Graph 126



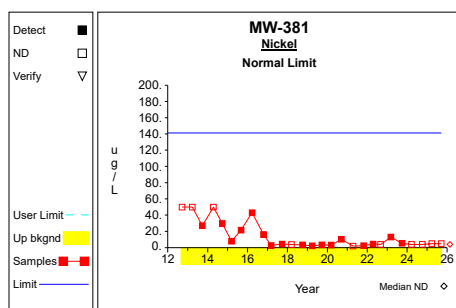
Graph 127



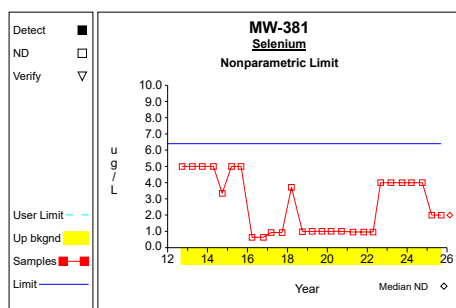
Graph 128



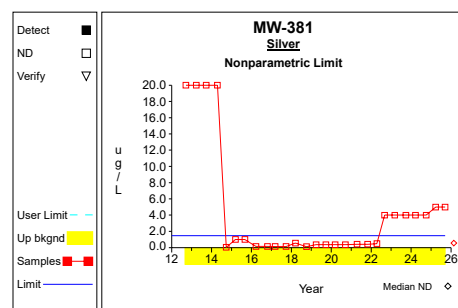
Graph 129



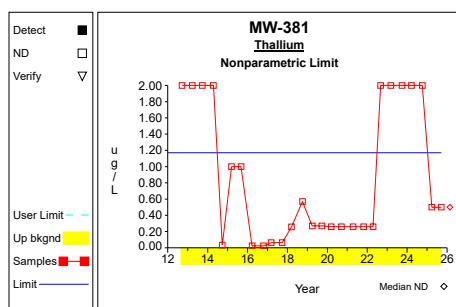
Graph 130



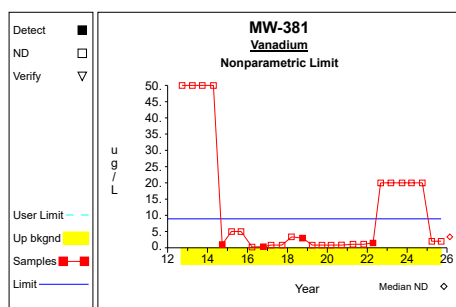
Graph 131



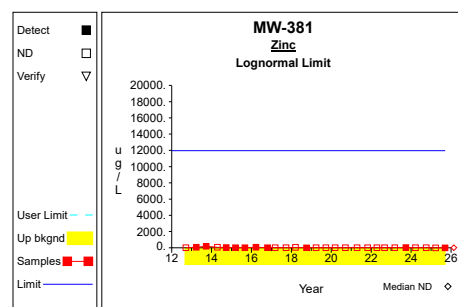
Graph 132



Graph 133

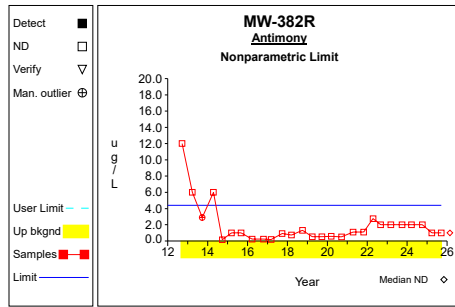


Graph 134

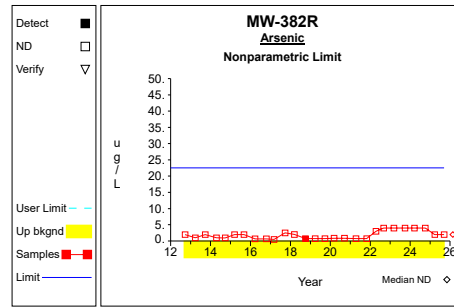


Graph 135

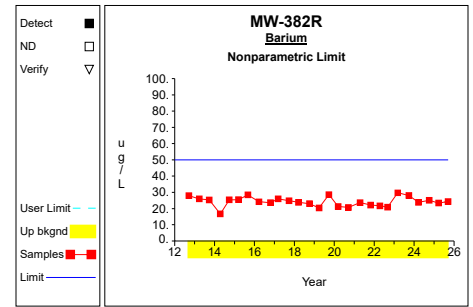
Up vs. Down Prediction Limits



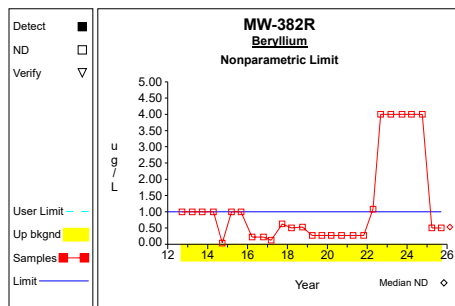
Graph 136



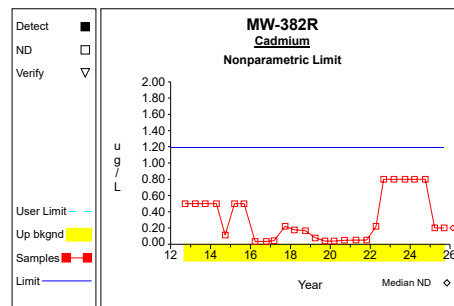
Graph 137



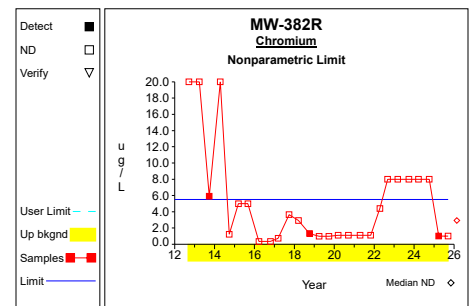
Graph 138



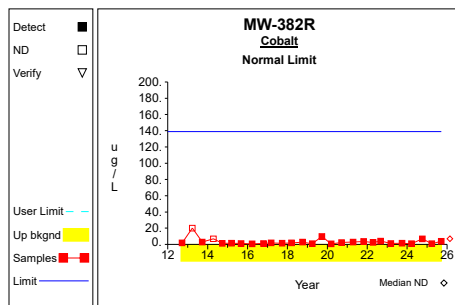
Graph 139



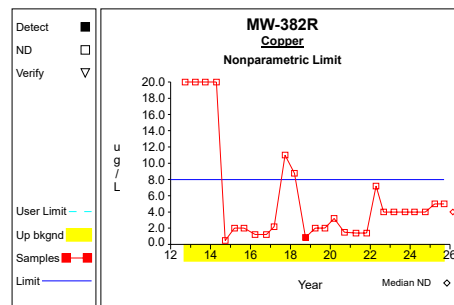
Graph 140



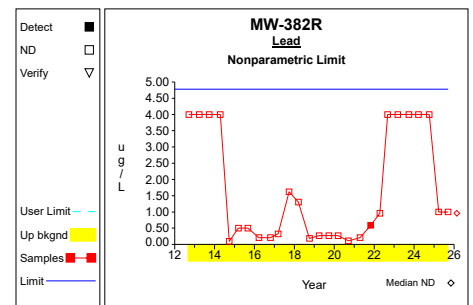
Graph 141



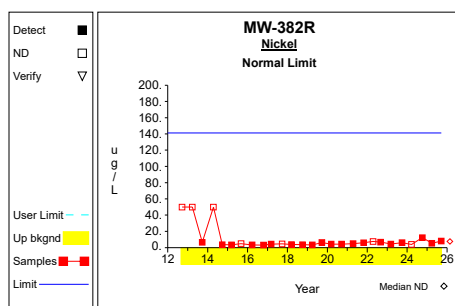
Graph 142



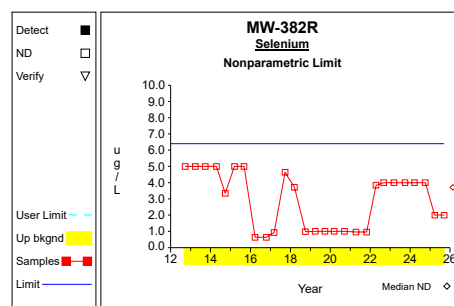
Graph 143



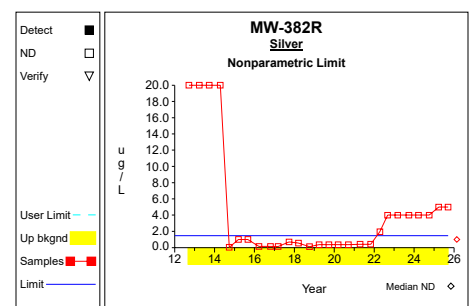
Graph 144



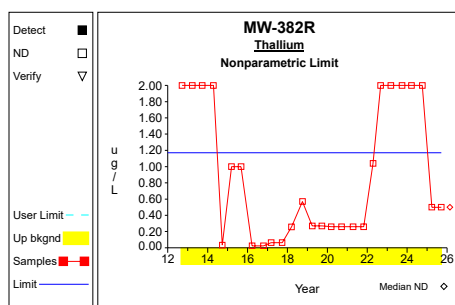
Graph 145



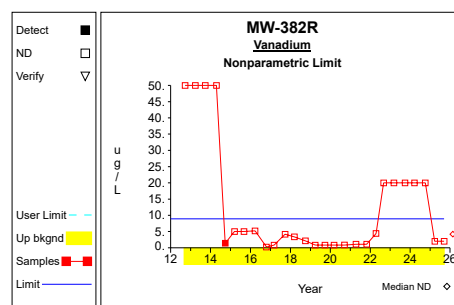
Graph 146



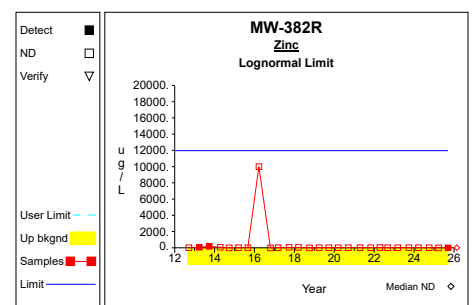
Graph 147



Graph 148

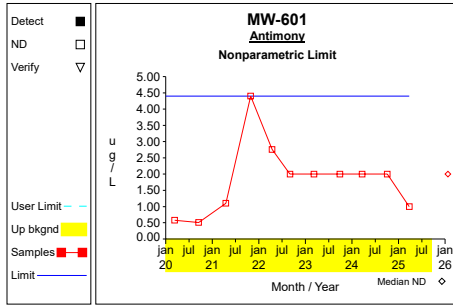


Graph 149

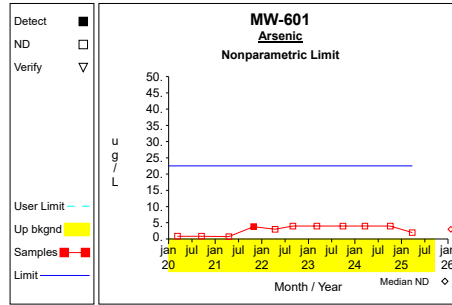


Graph 150

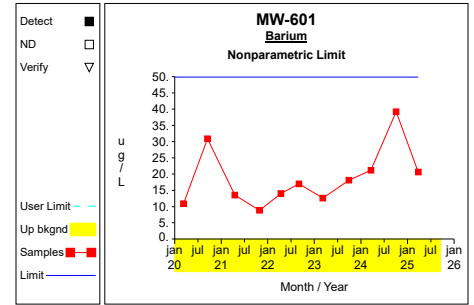
Up vs. Down Prediction Limits



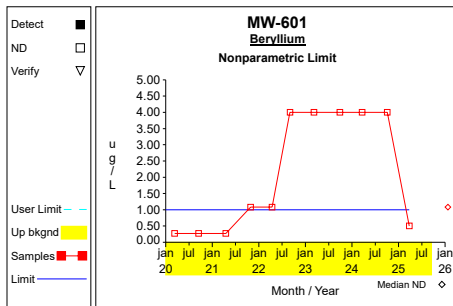
Graph 151



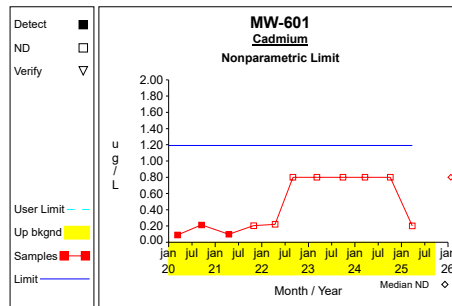
Graph 152



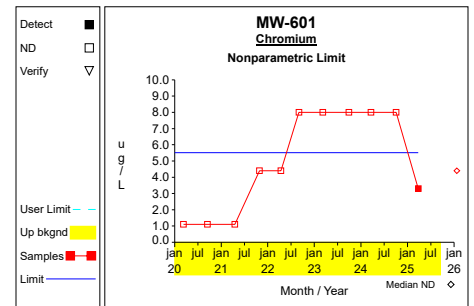
Graph 153



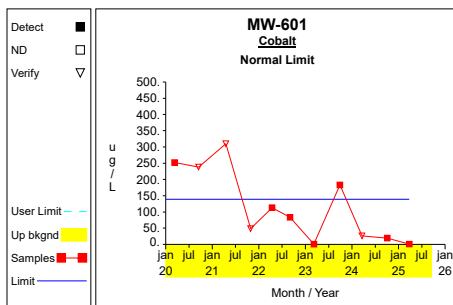
Graph 154



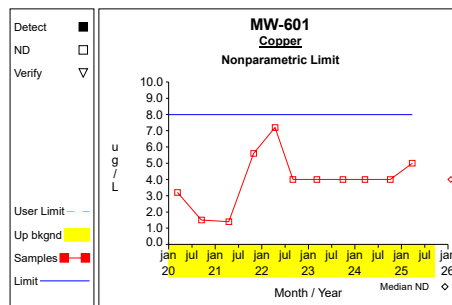
Graph 155



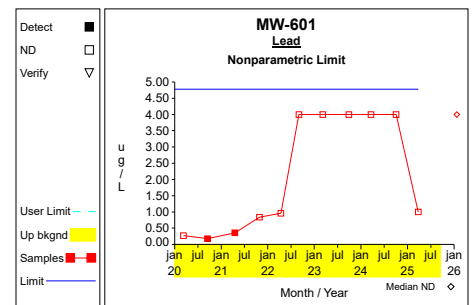
Graph 156



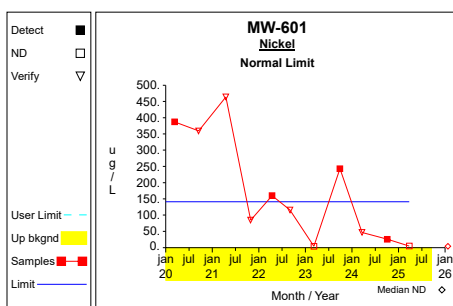
Graph 157



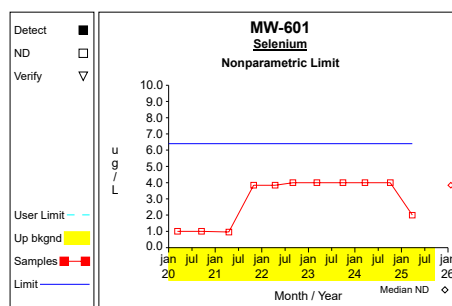
Graph 158



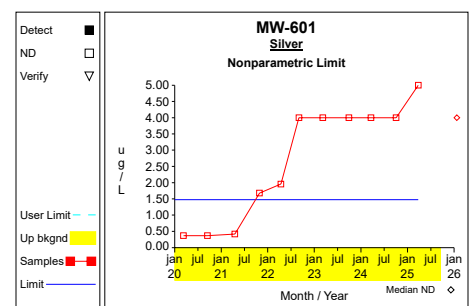
Graph 159



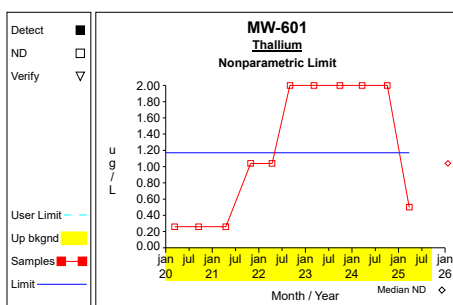
Graph 160



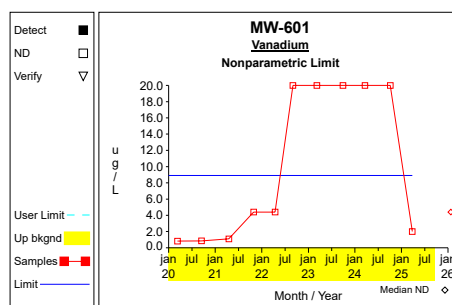
Graph 161



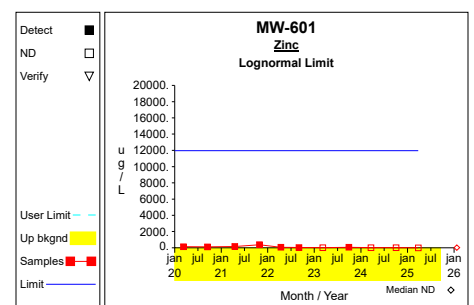
Graph 162



Graph 163

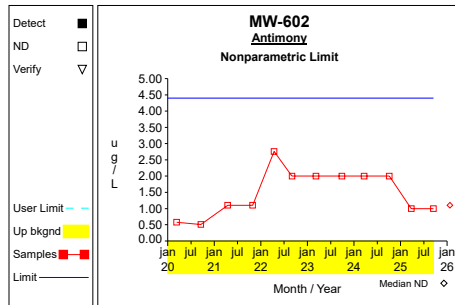


Graph 164

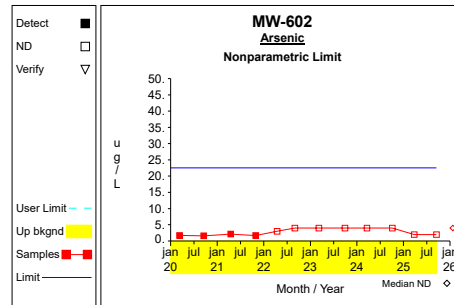


Graph 165

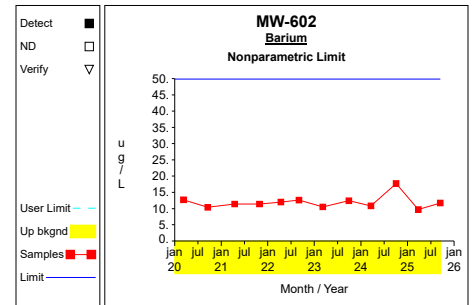
Up vs. Down Prediction Limits



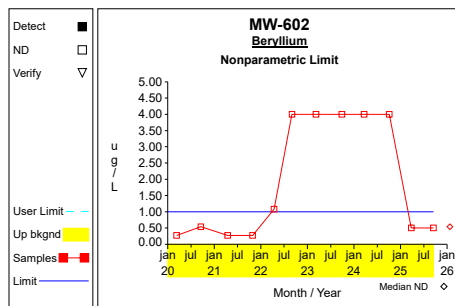
Graph 166



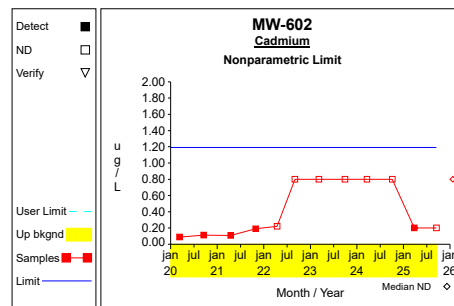
Graph 167



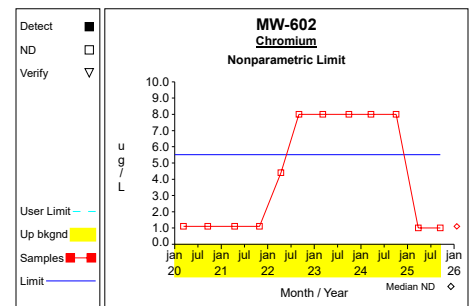
Graph 168



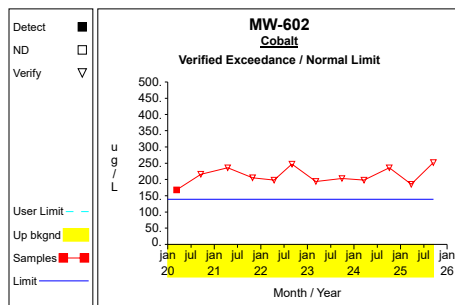
Graph 169



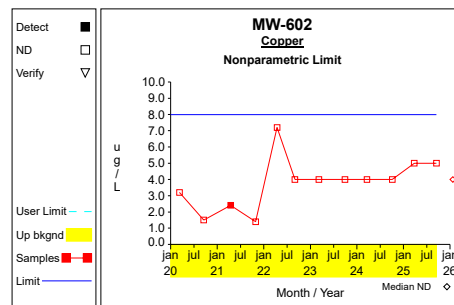
Graph 170



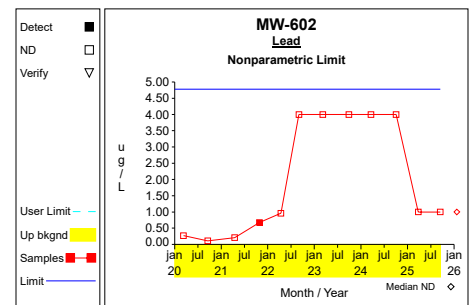
Graph 171



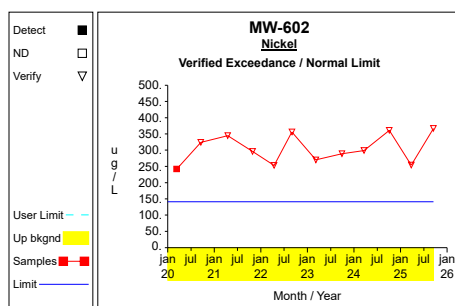
Graph 172



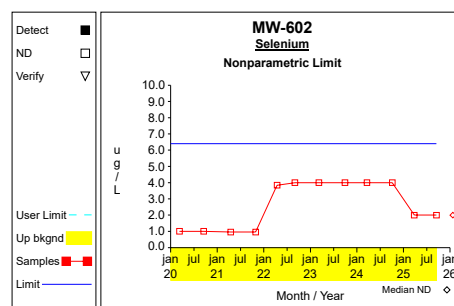
Graph 173



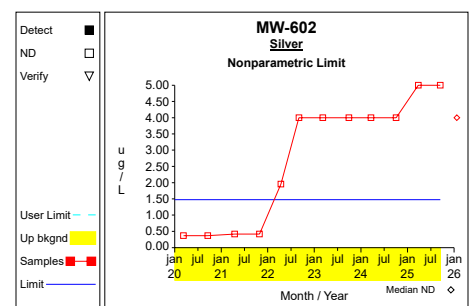
Graph 174



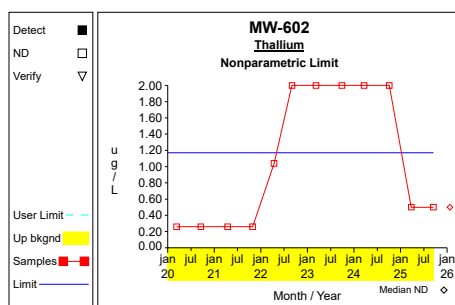
Graph 175



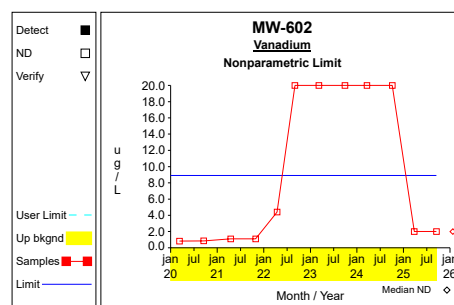
Graph 176



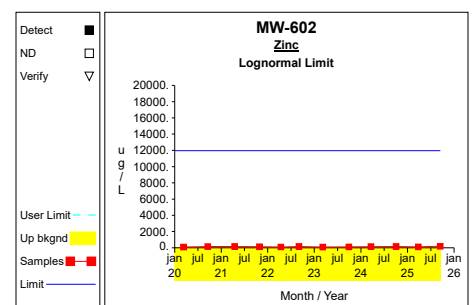
Graph 177



Graph 178



Graph 179



Graph 180

MW-603
Antimony
Nonparametric Limit

u g / L

Legend:

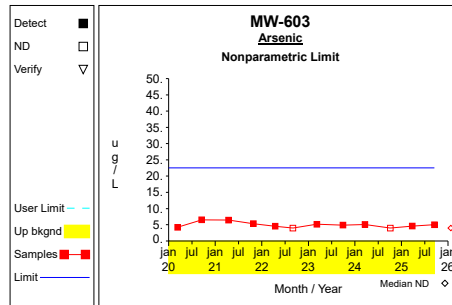
- Detect (black square)
- ND (open square)
- Verify (open triangle)
- User Limit (cyan line)
- Up bkgnd (yellow box)
- Samples (red square)
- Limit (blue line)

Month / Year

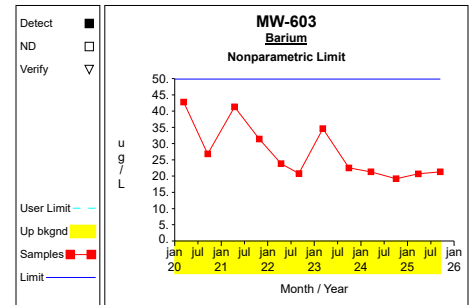
Median ND (diamond)

Date	Samples (u g / L)	Up bkgnd (u g / L)	Limit (u g / L)
Jan 20	0.50	0.50	4.50
Jan 21	0.50	0.50	4.50
Jan 22	1.00	1.00	4.50
Jan 23	2.80	2.80	4.50
Jan 24	2.00	2.00	4.50
Jan 25	2.00	2.00	4.50
Jan 26	1.00	1.00	4.50

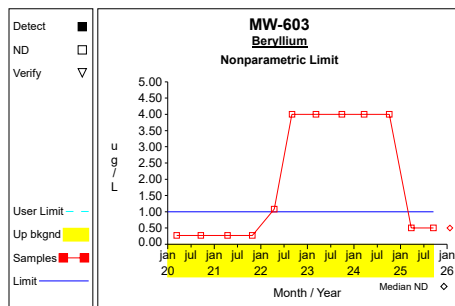
Graph 181



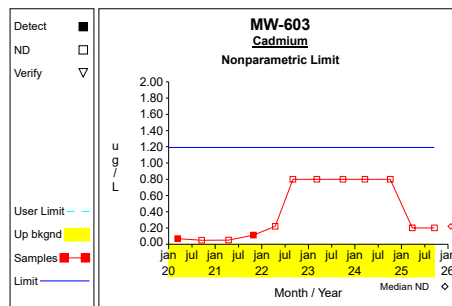
Graph 182



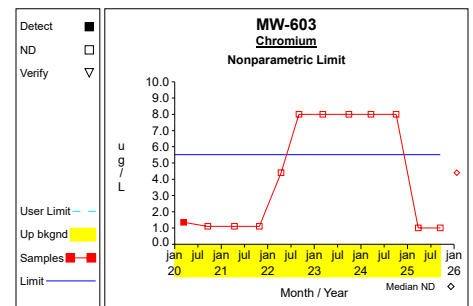
Graph 183



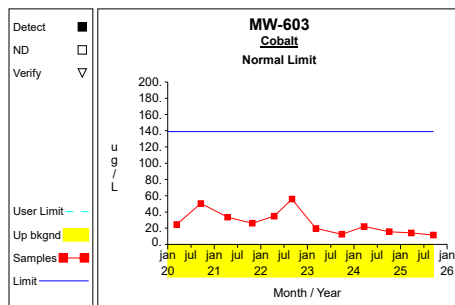
Graph 184



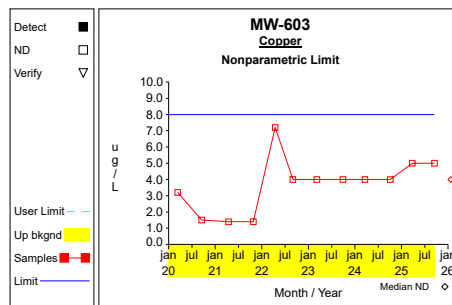
Graph 185



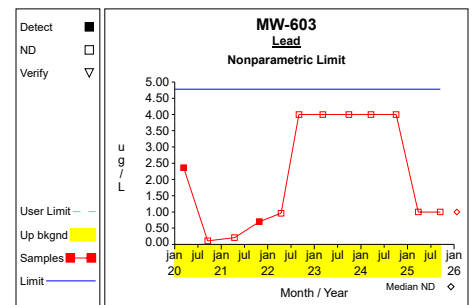
Graph 186



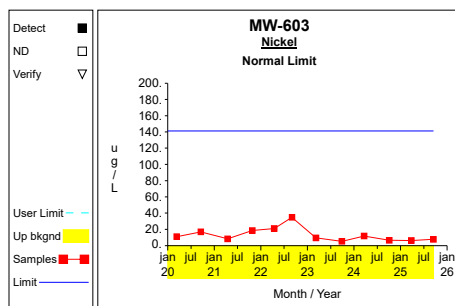
Graph 187



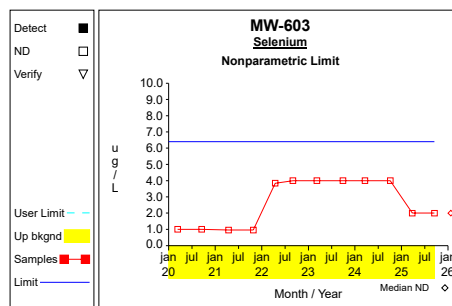
Graph 188



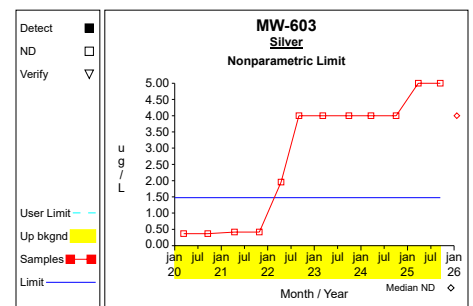
Graph 189



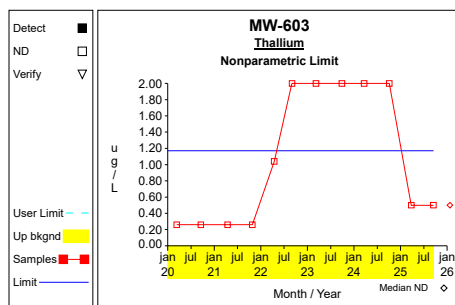
Graph 190



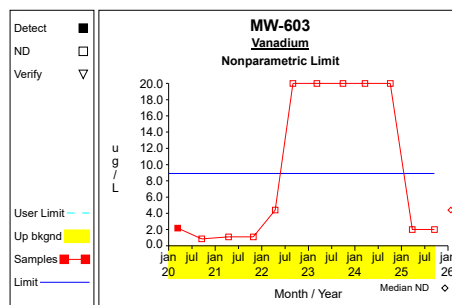
Graph 191



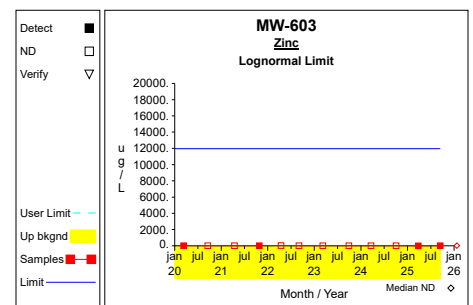
Graph 192



Graph 193

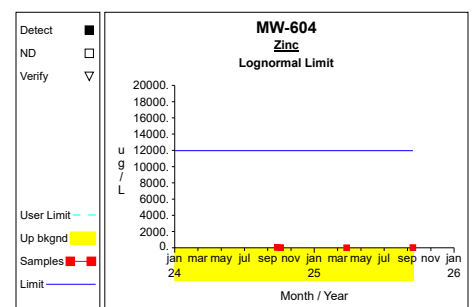
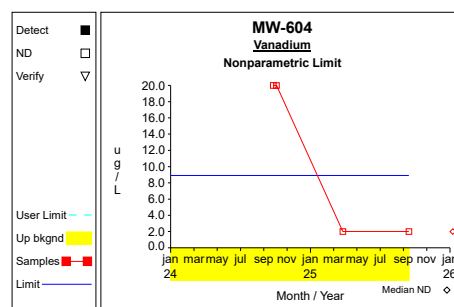
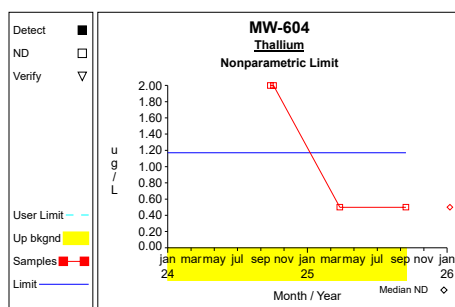
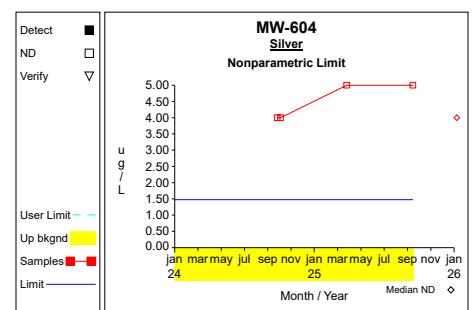
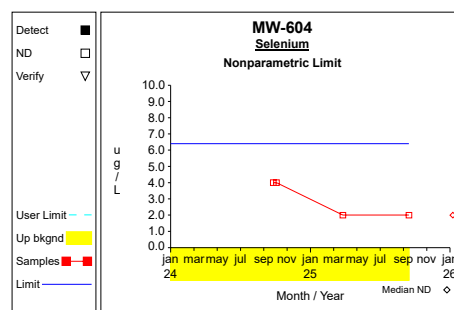
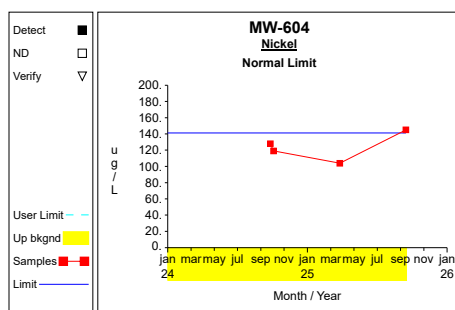
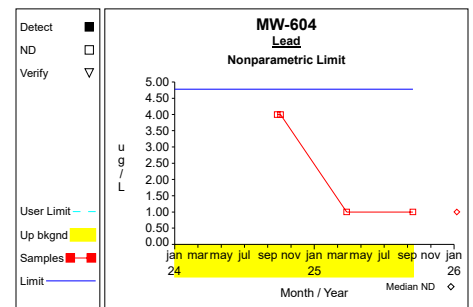
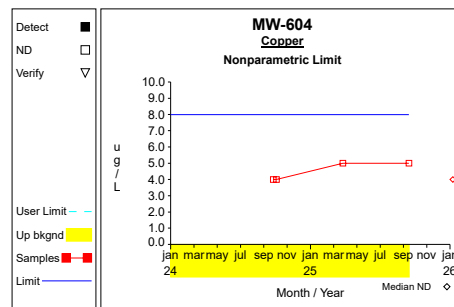
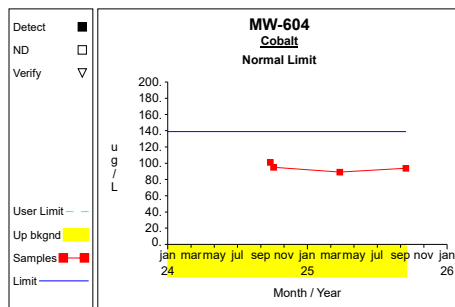
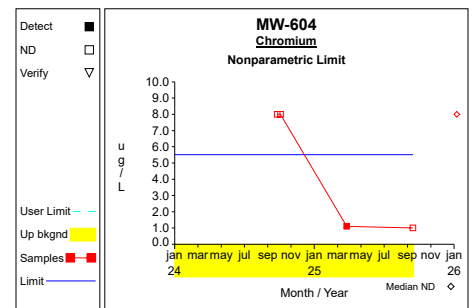
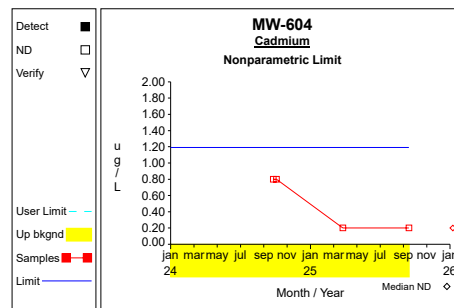
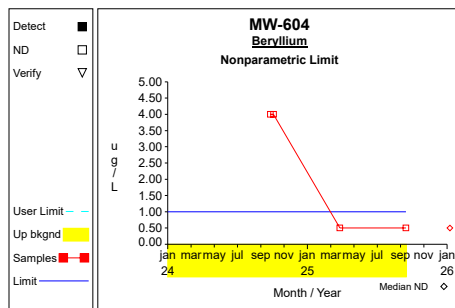
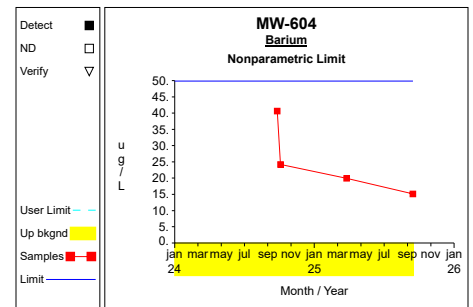
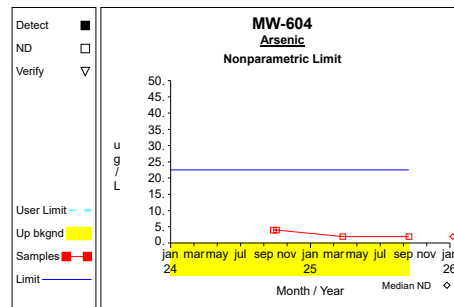
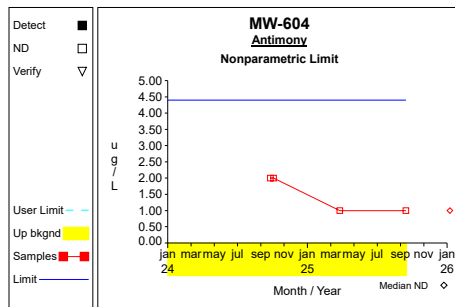


Graph 194

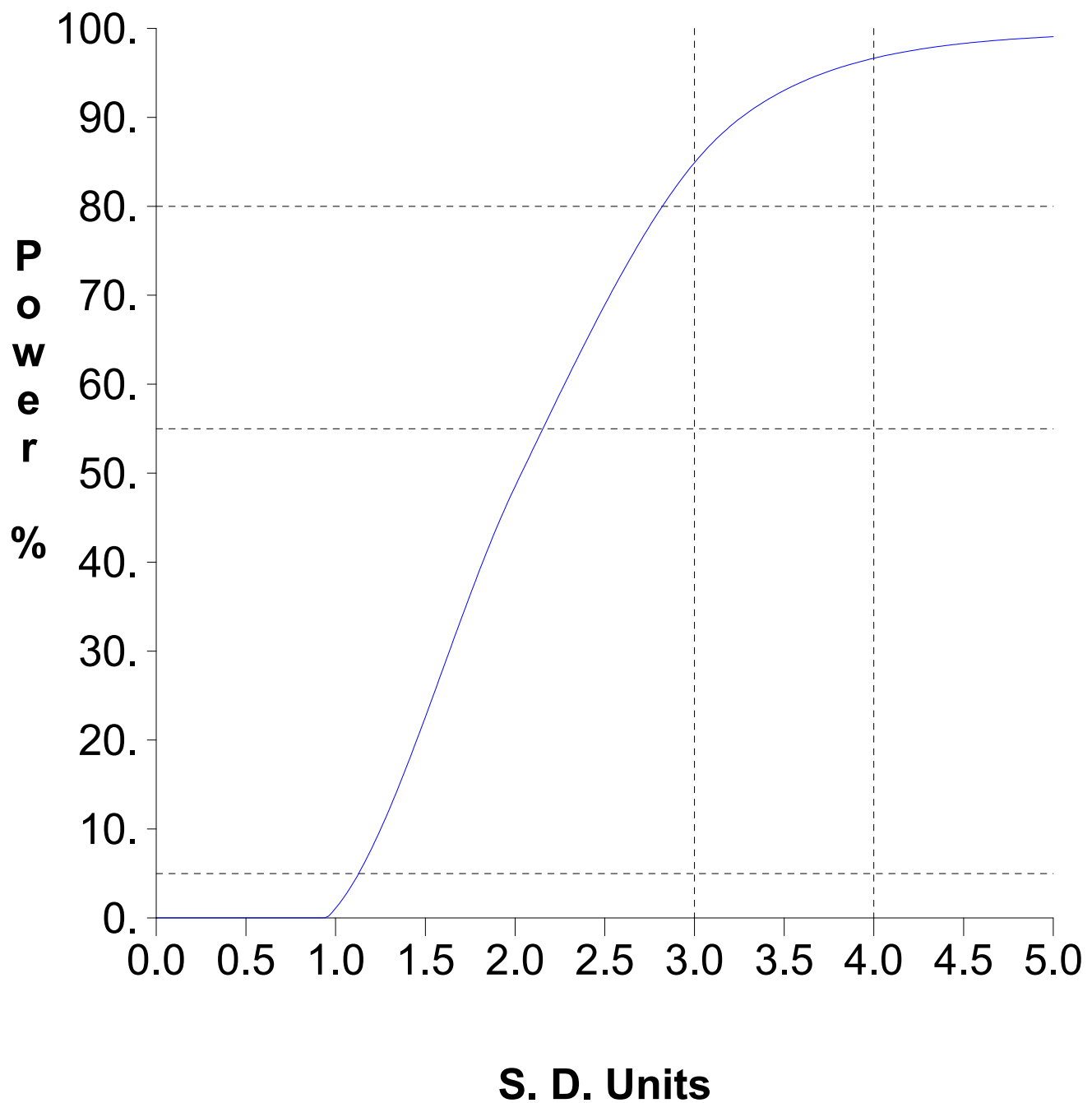


Graph 195

Up vs. Down Prediction Limits



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



Attachment D

Summary Tables and Graphs for the LCL Comparisons – Trace Metals

Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic	ug/L	MW-300	4	2.333	2.645	1.176	0.000	5.444	10.000		
Arsenic	ug/L	MW-313	4	12.275	11.539	1.176	0.000	25.848	10.000		
Arsenic	ug/L	MW-335	4	7.300	4.115	1.176	2.460	12.140	10.000		
Arsenic	ug/L	MW-380	4	5.463	4.043	1.176	0.707	10.218	10.000		
Arsenic	ug/L	MW-390	4	17.425	0.699	1.176	16.602	18.248	10.000		**

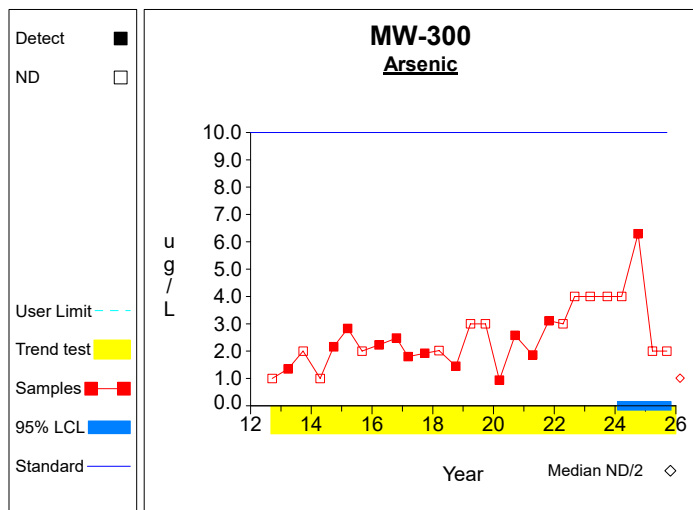
* - Insufficient Data

** - Significant Exceedance

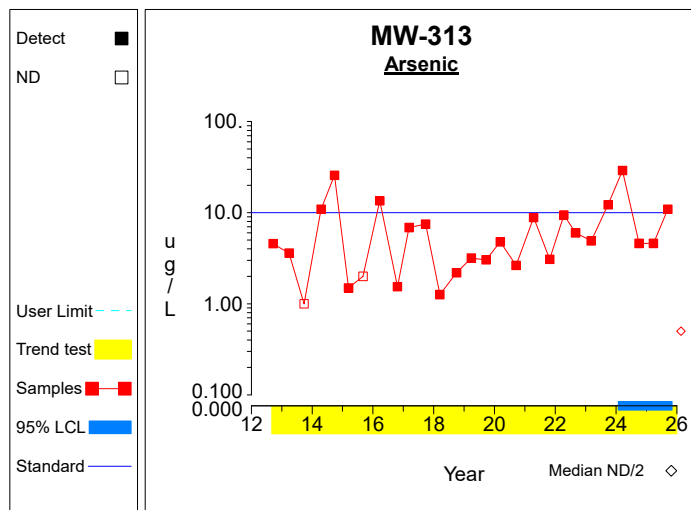
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

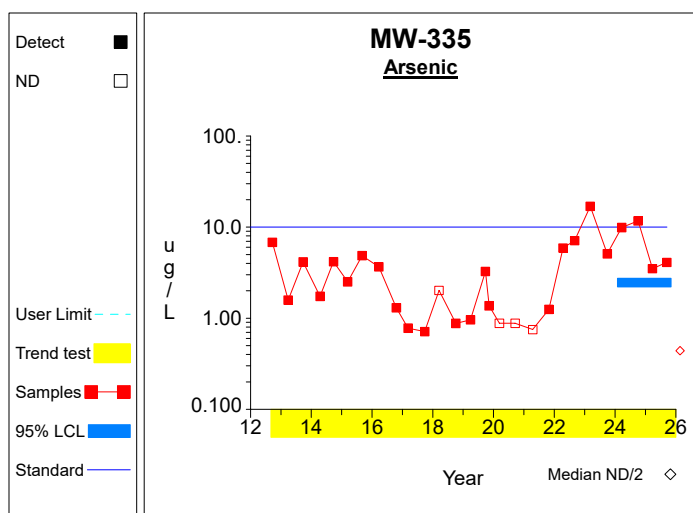
Confidence Limits (Assessment)



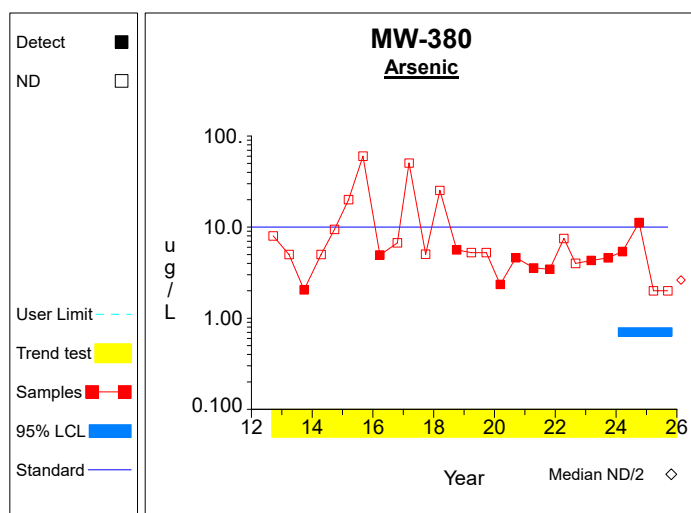
Graph 1



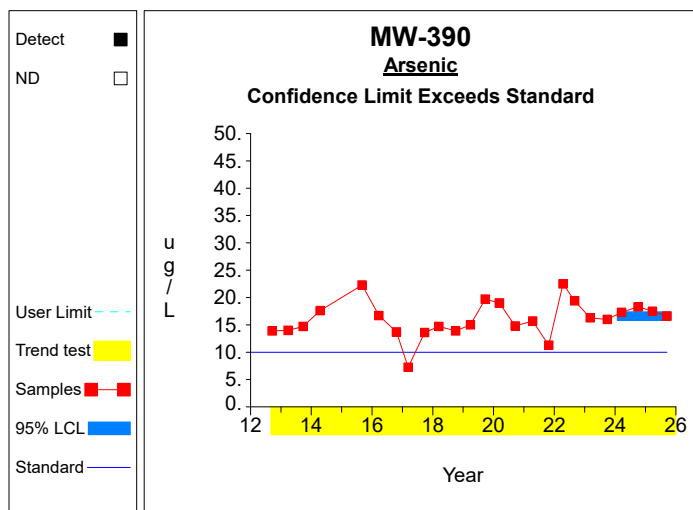
Graph 2



Graph 3



Graph 4



Graph 5

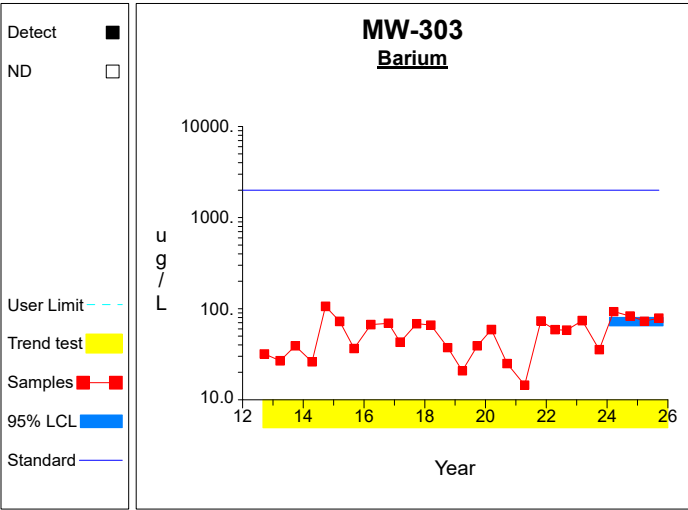
Table 1

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

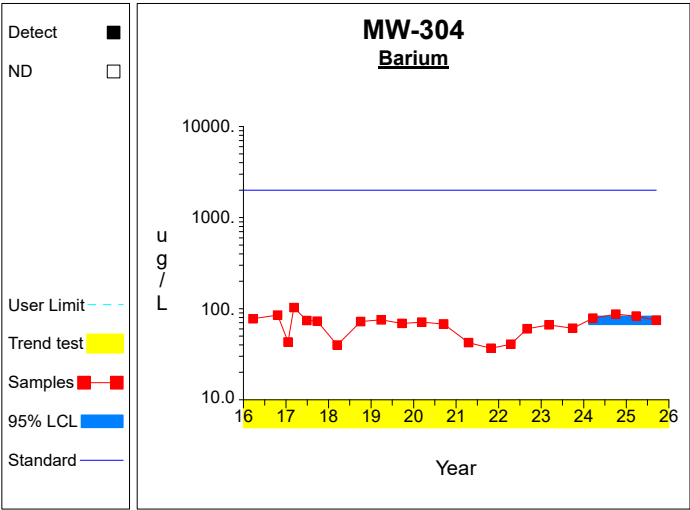
Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Barium	ug/L	MW-303	4	81.875	8.452	1.176	71.933	91.817	2000.000	
Barium	ug/L	MW-304	4	80.800	5.320	1.176	74.542	87.058	2000.000	
Barium	ug/L	MW-312	4	24.525	0.974	1.176	23.379	25.671	2000.000	

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

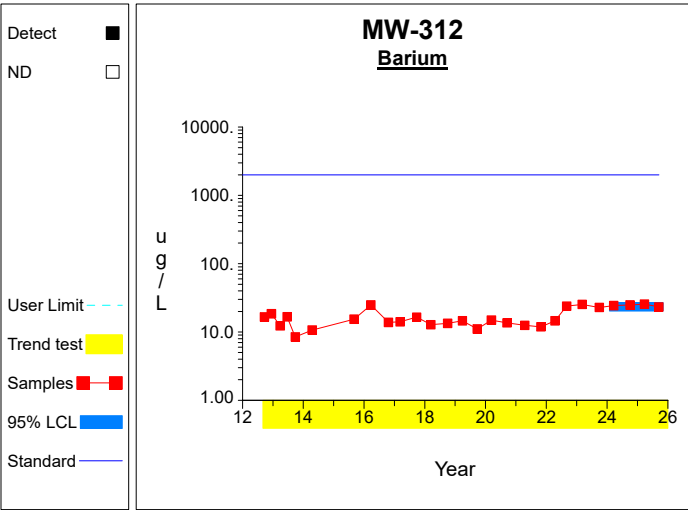
Confidence Limits (Assessment)



Graph 1



Graph 2



Graph 3

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
Beryllium	ug/L	MW-300	4	1.200	1.039	1.176	0.000	2.422	4.000	

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

Confidence Limits (Assessment)

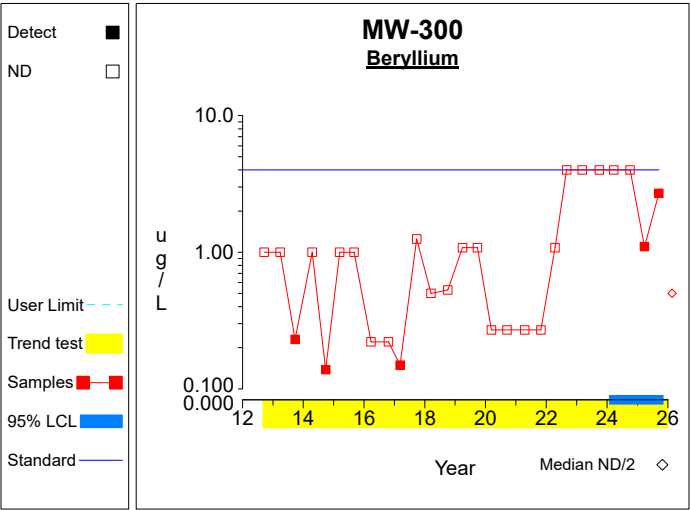


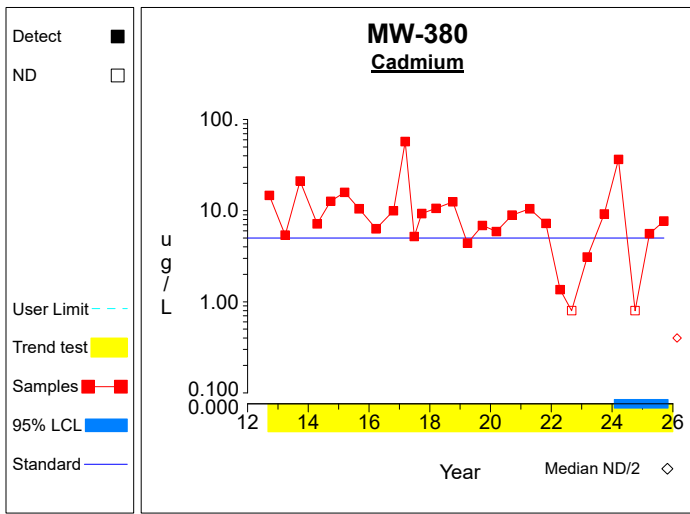
Table 1

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
Cadmium	ug/L	MW-380	4	12.550	16.259	1.176	0.000	31.675	5.000	

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

Confidence Limits (Assessment)



Graph 1

Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Cobalt	ug/L	GU-4AR	3								*
Cobalt	ug/L	MW-300	4	722.500	200.952	1.176	486.123	958.877	2.100		**
Cobalt	ug/L	MW-303	4	14.050	6.445	1.176	6.469	21.631	2.100	dec	**
Cobalt	ug/L	MW-304	4	3.225	1.725	1.176	1.196	5.254	2.100		
Cobalt	ug/L	MW-307	4	39.100	2.811	1.176	35.794	42.406	2.100	dec	**
Cobalt	ug/L	MW-312	4	40.075	3.161	1.176	36.357	43.793	2.100		**
Cobalt	ug/L	MW-335	4	31.675	11.938	1.176	17.633	45.717	2.100		**
Cobalt	ug/L	MW-344	4	184.000	32.506	1.176	145.763	222.237	2.100		**
Cobalt	ug/L	MW-380	4	407.000	362.625	1.176	0.000	833.551	2.100	dec	
Cobalt	ug/L	MW-382R	4	3.150	2.908	1.176	0.000	6.571	2.100		
Cobalt	ug/L	MW-390	4	105.925	4.679	1.176	100.422	111.428	2.100		**
Cobalt	ug/L	MW-602	4	217.750	31.458	1.176	180.747	254.753	2.100		**
Cobalt	ug/L	MW-603	4	15.825	4.513	1.176	10.516	21.134	2.100		**
Cobalt	ug/L	MW-604	4	94.700	4.936	1.176	88.894	100.506	2.100		**

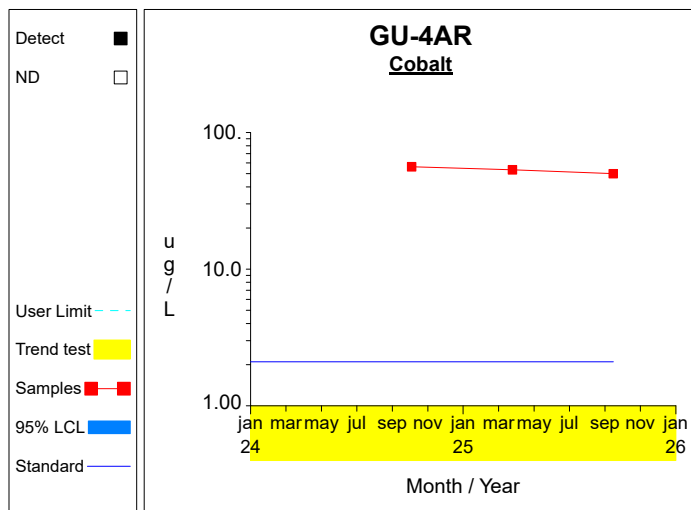
* - Insufficient Data

** - Significant Exceedance

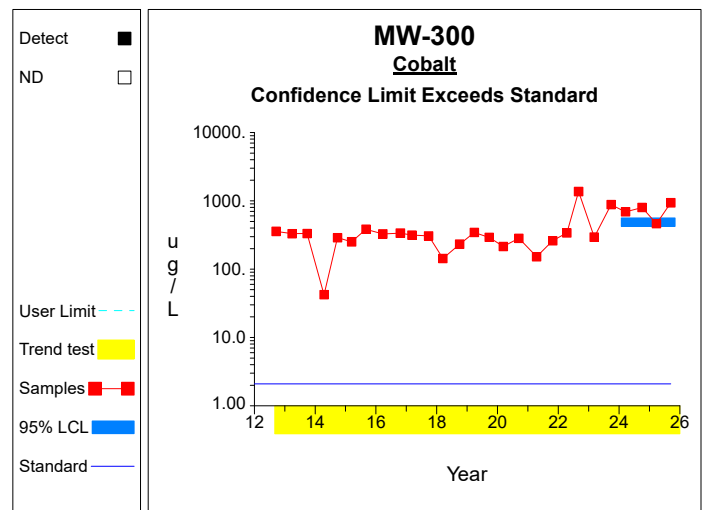
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

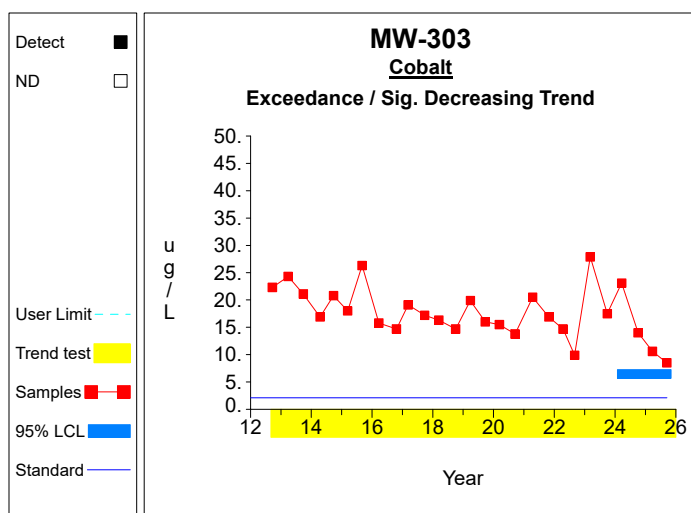
Confidence Limits (Assessment)



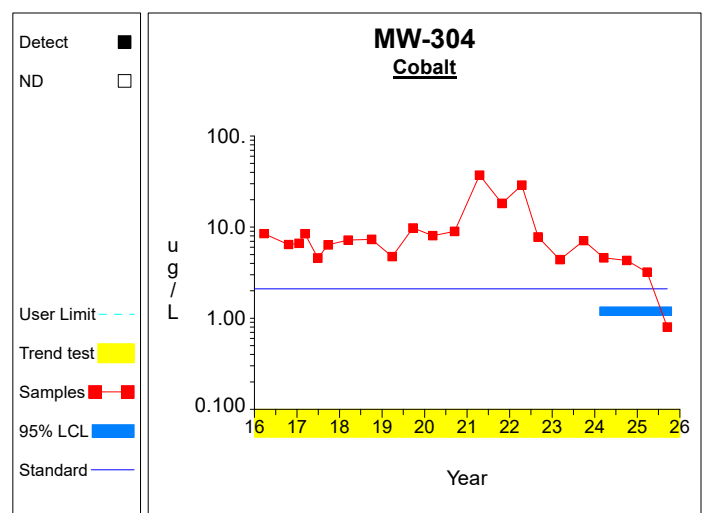
Graph 1



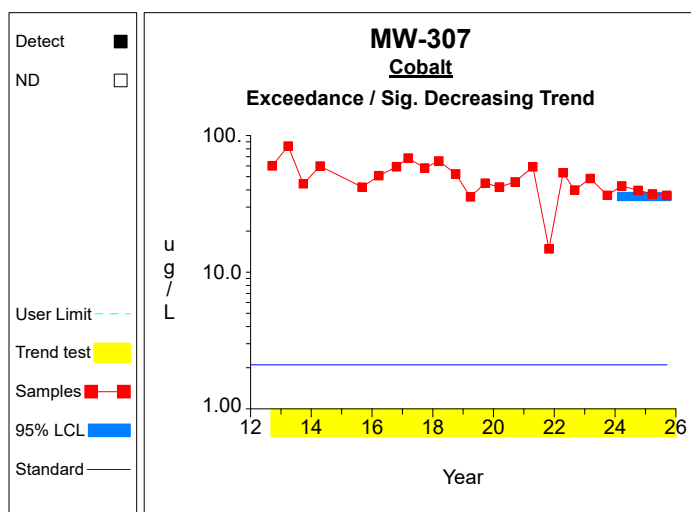
Graph 2



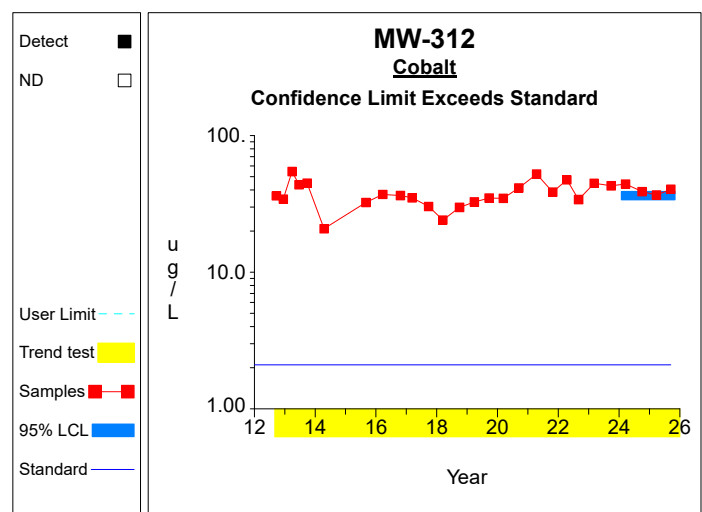
Graph 3



Graph 4

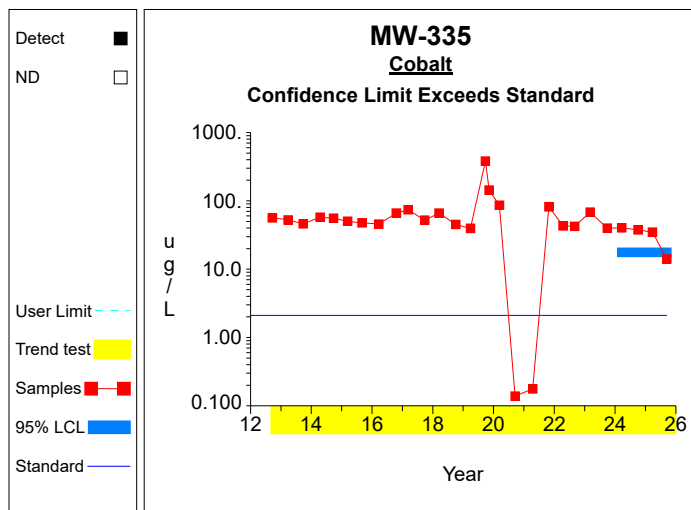


Graph 5

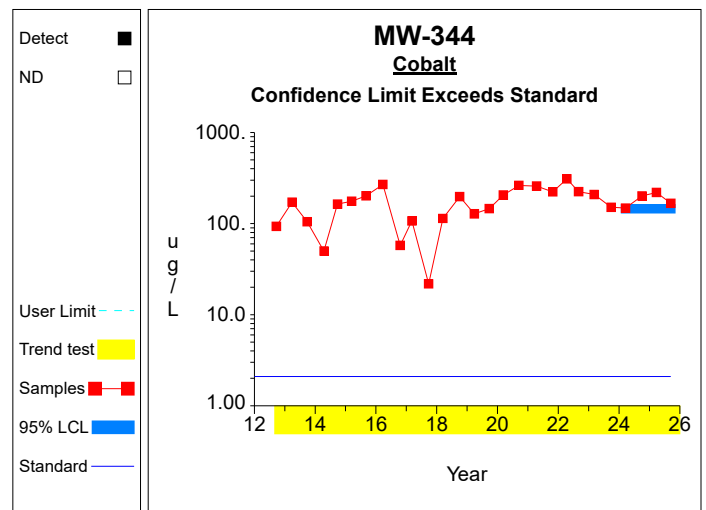


Graph 6

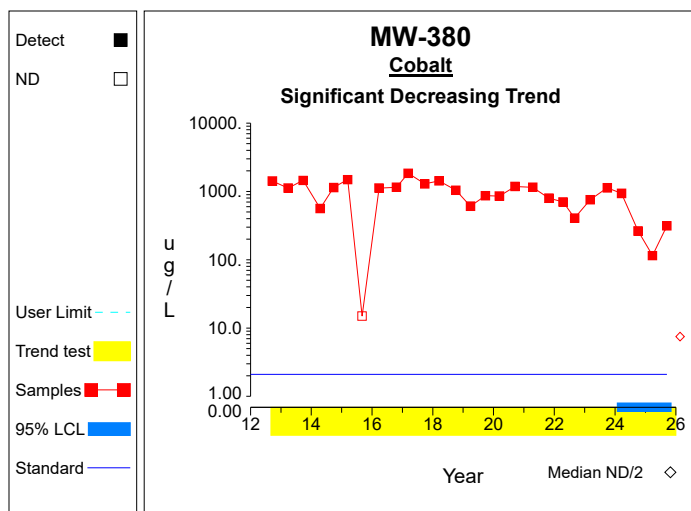
Confidence Limits (Assessment)



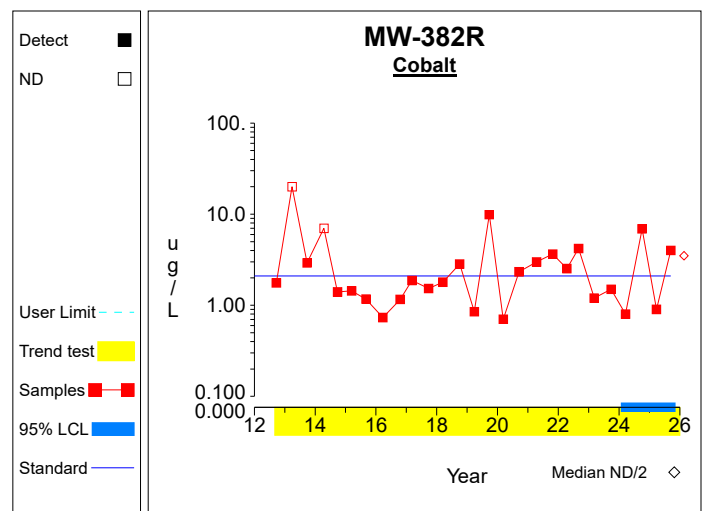
Graph 7



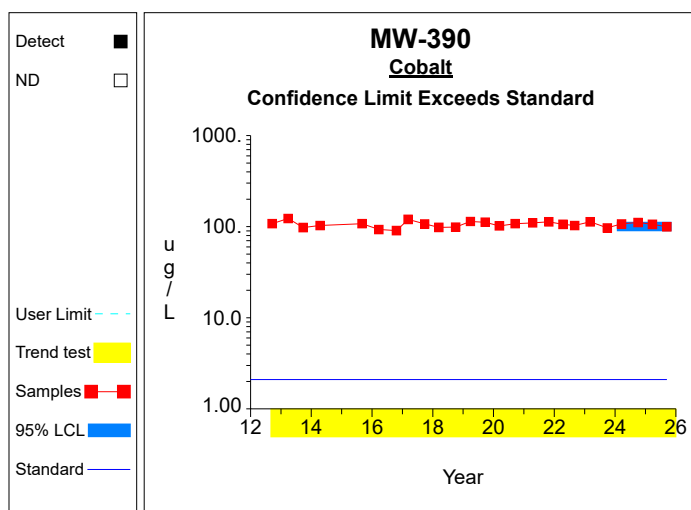
Graph 8



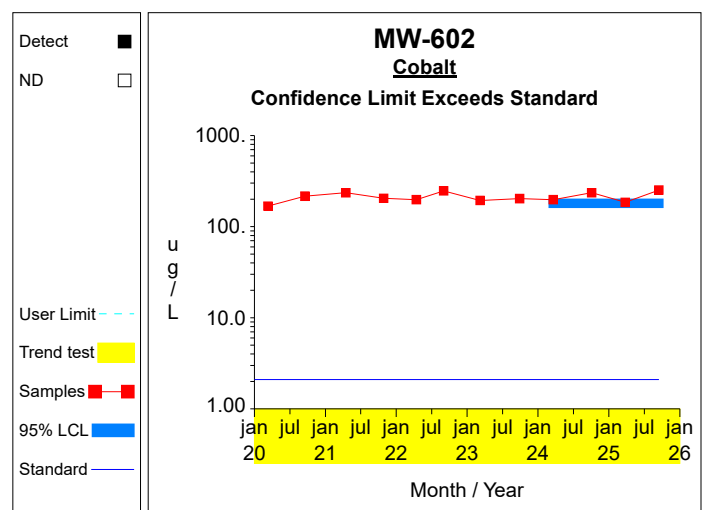
Graph 9



Graph 10

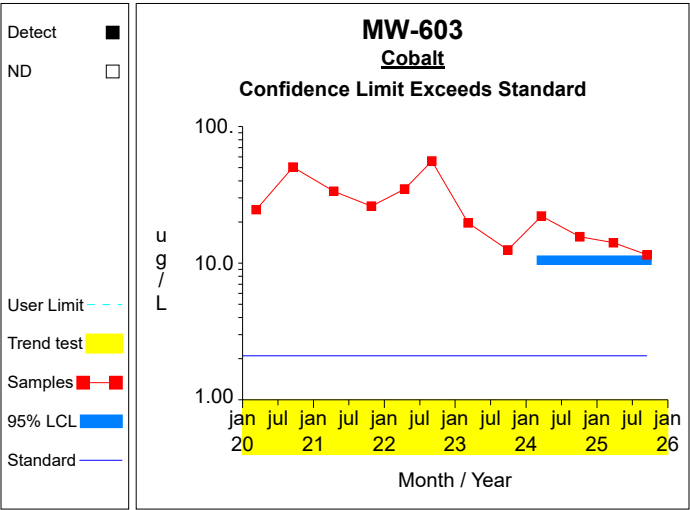


Graph 11

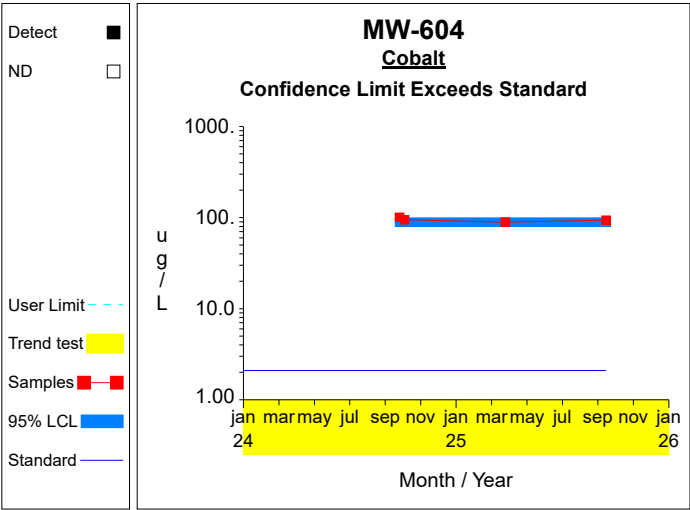


Graph 12

Confidence Limits (Assessment)



Graph 13



Graph 14

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	
Nickel	ug/L	MW-300	4	802.000	243.164	1.176	515.969	1088.031	100.000		**
Nickel	ug/L	MW-344	4	134.500	18.412	1.176	112.842	156.158	100.000		**
Nickel	ug/L	MW-380	4	613.000	464.047	1.176	67.147	1158.853	100.000	dec	
Nickel	ug/L	MW-602	4	320.250	53.811	1.176	256.953	383.547	100.000		**
Nickel	ug/L	MW-604	4	124.000	17.146	1.176	103.831	144.169	100.000		**

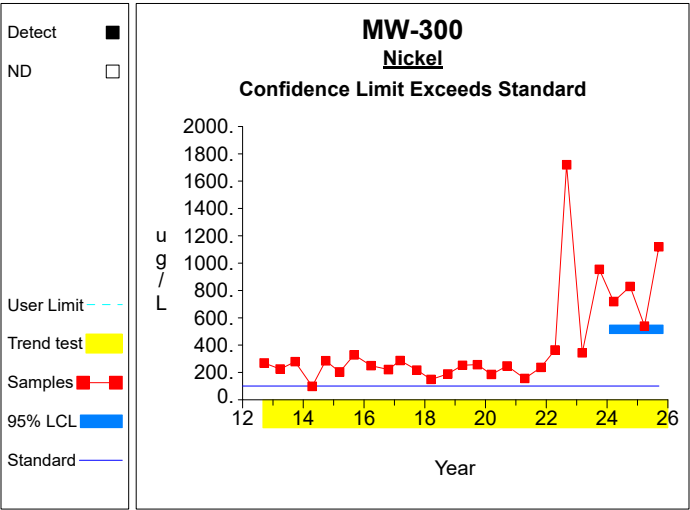
* - Insufficient Data

** - Significant Exceedance

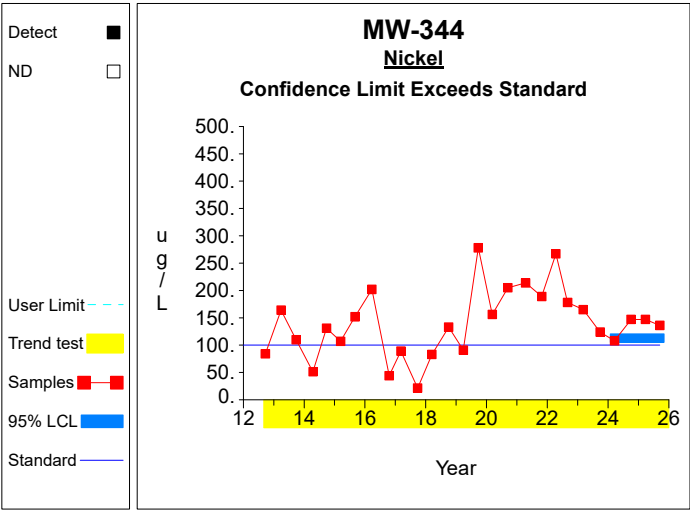
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

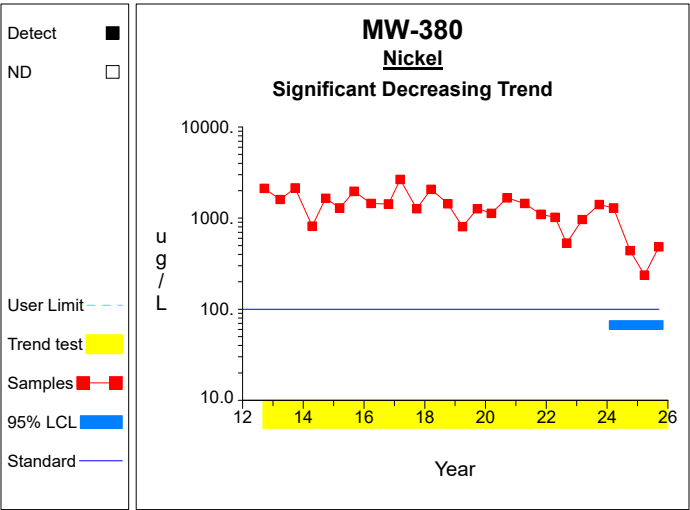
Confidence Limits (Assessment)



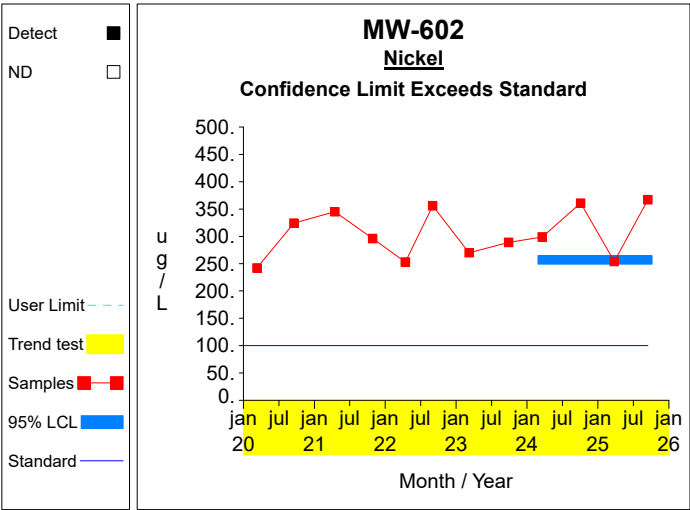
Graph 1



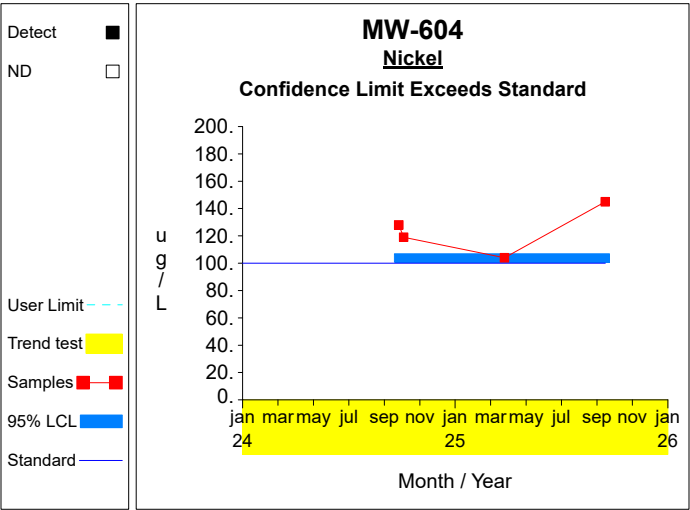
Graph 2



Graph 3



Graph 4



Graph 5

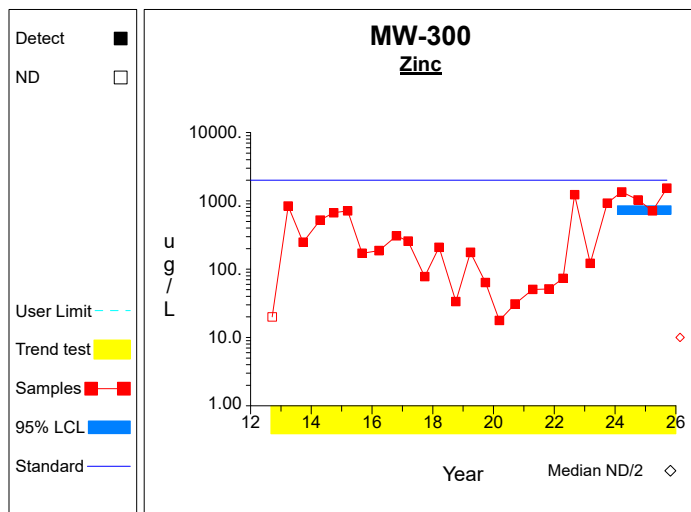
Table 1

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

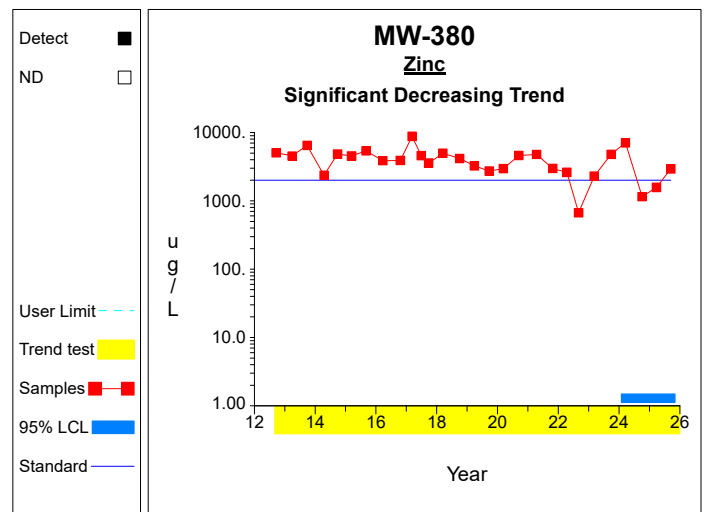
Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Zinc	ug/L	MW-300	4	1155.500	360.797	1.176	731.099	1579.901	2000.000	
Zinc	ug/L	MW-380	4	3180.000	2702.320	1.176	1.292	6358.708	2000.000	dec

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

Confidence Limits (Assessment)



Graph 1



Graph 2

Attachment E

Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Acetone	GU-4A	9/27/2017		3.19	1.79	ug/L
Acetone	GU-4A	3/14/2018		2.79	1.79	ug/L
Bromomethane	GU-4A	10/20/2016		.433	.220	ug/L
Methylene Chloride	GU-4A	9/25/2014		.802	.170	ug/L
Methylene Chloride	GU-4A	10/20/2016		.303	.170	ug/L
Methylene Chloride	GU-4A	9/27/2017		.335	.170	ug/L
Vinyl Chloride	GU-4A	3/14/2018		.103	.100	ug/L
Acetone	MW-300	3/17/2009		16.40	4.62	ug/L
Acetone	MW-300	3/25/2010		12.50	.00	ug/L
Acetone	MW-300	9/23/2010		12.90	.00	ug/L
Acetone	MW-300	4/16/2014		47.80	1.79	ug/L
Acetone	MW-300	9/26/2017		4.29	1.79	ug/L
Acetone	MW-300	3/14/2018		48.60	1.79	ug/L
Acetone	MW-300	3/28/2019		3.10	3.10	ug/L
Acetone	MW-300	4/15/2021		5.12	3.10	ug/L
Acetone	MW-300	10/27/2021		5.67	3.10	ug/L
Methylene Chloride	MW-300	10/20/2016		.264	.170	ug/L
Methylene Chloride	MW-300	3/07/2017		.214	.170	ug/L
Styrene	MW-300	10/27/2021		.383	.370	ug/L
Xylenes, Total	MW-300	9/25/2013		1.11	.13	ug/L
Acetone	MW-303	9/25/2017		2.21	1.79	ug/L
Carbon Disulfide	MW-303	10/21/2016		.231	.150	ug/L
Carbon Disulfide	MW-303	9/15/2025		1.500	1.000	ug/L
Methylene Chloride	MW-303	9/25/2014		.573	.170	ug/L
Methylene Chloride	MW-303	10/21/2016		.308	.170	ug/L
Methylene Chloride	MW-303	3/13/2018		.226	.170	ug/L
Xylenes, Total	MW-303	9/26/2013		.232	.130	ug/L
Xylenes, Total	MW-303	10/21/2016		.390	.130	ug/L
Xylenes, Total	MW-303	3/08/2017		.459	.130	ug/L
Acetone	MW-304	6/28/2017		3.74	1.79	ug/L
Acetone	MW-304	9/26/2017		2.99	1.79	ug/L
Bromomethane	MW-304	9/26/2017		.372	.220	ug/L
Bromomethane	MW-304	3/14/2018		.448	.220	ug/L
Methylene Chloride	MW-304	1/18/2017		.264	.170	ug/L
Acetone	MW-307	3/08/2017		2.61	1.79	ug/L
Acetone	MW-307	9/25/2017		2.41	1.79	ug/L
Acetonitrile	MW-307	9/26/2013		739	126	ug/L
Carbon Disulfide	MW-307	9/15/2025		3.2	1.0	ug/L
Methylene Chloride	MW-307	10/21/2016		.231	.170	ug/L
Xylenes, Total	MW-307	10/21/2016		.324	.130	ug/L
Xylenes, Total	MW-307	3/08/2017		.362	.130	ug/L
Xylenes, Total	MW-307	3/27/2019		.481	.400	ug/L
Acetone	MW-310	3/08/2017		2.61	1.79	ug/L
Acetone	MW-310	9/27/2017		3.78	1.79	ug/L
Acetone	MW-310	3/14/2018		1.96	1.79	ug/L
Acetonitrile	MW-310	9/26/2013		841	126	ug/L
Methylene Chloride	MW-310	9/25/2014		.756	.170	ug/L
Methylene Chloride	MW-310	10/20/2016		.186	.170	ug/L
Xylenes, Total	MW-310	10/20/2016		.351	.130	ug/L
Xylenes, Total	MW-310	3/08/2017		1.090	.130	ug/L
Xylenes, Total	MW-310	9/27/2017		.363	.130	ug/L
Acetone	MW-312	3/08/2017		2.39	1.79	ug/L
Bromomethane	MW-312	9/25/2017		.233	.220	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
Methylene Chloride	MW-312	10/21/2016		.295	.170	ug/L
Methylene Chloride	MW-312	3/13/2018		.334	.170	ug/L
Xylenes, Total	MW-312	3/08/2017		.654	.130	ug/L
Xylenes, Total	MW-312	10/27/2021		1.050	.400	ug/L
4,4'-DDD	MW-313	9/25/2013		.00214	.00188	ug/L
4,4'-DDE	MW-313	9/25/2013		.00320	.00219	ug/L
Acetone	MW-313	9/26/2014		1.88	1.79	ug/L
Acetone	MW-313	3/08/2017		1.87	1.79	ug/L
Acetone	MW-313	9/25/2017		2.76	1.79	ug/L
Acetone	MW-313	3/27/2019		3.82	3.10	ug/L
alpha-BHC	MW-313	9/25/2013		.00451	.00177	ug/L
beta-BHC	MW-313	9/25/2013		.00598	.00500	ug/L
Bromomethane	MW-313	10/21/2016		2.660	.220	ug/L
Bromomethane	MW-313	9/25/2017		.344	.220	ug/L
Bromomethane	MW-313	10/26/2021		1.280	1.100	ug/L
Chloromethane	MW-313	10/21/2016		.701	.310	ug/L
delta-BHC	MW-313	9/25/2013		.00444	.00240	ug/L
Iodomethane	MW-313	10/21/2016		1.41	.80	ug/L
Methylene Chloride	MW-313	10/21/2016		.277	.170	ug/L
Methylene Chloride	MW-313	3/13/2018		.207	.170	ug/L
Xylenes, Total	MW-313	9/25/2013		.321	.130	ug/L
Xylenes, Total	MW-313	10/21/2016		1.890	.130	ug/L
Xylenes, Total	MW-313	3/08/2017		.786	.130	ug/L
Acetonitrile	MW-333	9/26/2013		.964	.126	ug/L
Acetone	MW-335	9/26/2017		2.49	1.79	ug/L
Acetone	MW-335	3/14/2018		2.33	1.79	ug/L
Bromomethane	MW-335	9/26/2017		.402	.220	ug/L
Chloromethane	MW-335	10/19/2016		.336	.310	ug/L
Methylene Chloride	MW-335	9/25/2014		.617	.170	ug/L
Methylene Chloride	MW-335	10/19/2016		.260	.170	ug/L
Xylenes, Total	MW-335	3/07/2017		.173	.130	ug/L
1,1-Dichloroethane	MW-344	3/07/2017		.290	.210	ug/L
1,1-Dichloroethane	MW-344	9/26/2017		.475	.210	ug/L
1,1-Dichloroethane	MW-344	3/14/2018		.474	.210	ug/L
1,1-Dichloroethane	MW-344	9/15/2020		.408	.220	ug/L
1,1-Dichloroethane	MW-344	4/15/2021		.345	.220	ug/L
1,2-Dichloroethane	MW-344	9/26/2017		.207	.180	ug/L
Acetone	MW-344	3/14/2018		3.22	1.79	ug/L
Acetone	MW-344	3/28/2019		3.61	3.10	ug/L
Benzene	MW-344	9/25/2013		.215	.110	ug/L
Benzene	MW-344	4/15/2014		.268	.110	ug/L
Benzene	MW-344	9/26/2014		.198	.110	ug/L
Benzene	MW-344	3/12/2015		.281	.500	ug/L
Benzene	MW-344	10/19/2016		.594	.110	ug/L
Benzene	MW-344	3/07/2017		.543	.110	ug/L
Benzene	MW-344	9/26/2017		.894	.110	ug/L
Benzene	MW-344	3/14/2018		.715	.110	ug/L
Benzene	MW-344	10/02/2018		.732	.220	ug/L
Benzene	MW-344	9/24/2019		.541	.220	ug/L
Benzene	MW-344	9/15/2020		.836	.220	ug/L
Benzene	MW-344	4/15/2021		.722	.220	ug/L
Benzene	MW-344	10/27/2021		.918	.220	ug/L
Benzene	MW-344	4/14/2022		.390	.220	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Benzene	MW-344	9/29/2023		1.100	1.000	ug/L
Chloroethane	MW-344	9/25/2013		.514	.150	ug/L
Chloroethane	MW-344	9/26/2017		.462	.150	ug/L
cis-1,2-Dichloroethene	MW-344	3/27/2013		.301	.130	ug/L
cis-1,2-Dichloroethene	MW-344	9/25/2013		.976	.130	ug/L
cis-1,2-Dichloroethene	MW-344	4/15/2014		1.300	.130	ug/L
cis-1,2-Dichloroethene	MW-344	9/26/2014		.819	.130	ug/L
cis-1,2-Dichloroethene	MW-344	9/02/2015		1.140	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	3/23/2016		1.120	.010	ug/L
cis-1,2-Dichloroethene	MW-344	10/19/2016		2.040	.130	ug/L
cis-1,2-Dichloroethene	MW-344	3/07/2017		1.820	.130	ug/L
cis-1,2-Dichloroethene	MW-344	9/26/2017		2.480	.130	ug/L
cis-1,2-Dichloroethene	MW-344	3/14/2018		2.240	.130	ug/L
cis-1,2-Dichloroethene	MW-344	10/02/2018		1.900	.210	ug/L
cis-1,2-Dichloroethene	MW-344	3/28/2019		1.180	.210	ug/L
cis-1,2-Dichloroethene	MW-344	9/24/2019		1.820	.210	ug/L
cis-1,2-Dichloroethene	MW-344	3/10/2020		1.360	.210	ug/L
cis-1,2-Dichloroethene	MW-344	9/15/2020		2.440	.210	ug/L
cis-1,2-Dichloroethene	MW-344	4/15/2021		2.020	.210	ug/L
cis-1,2-Dichloroethene	MW-344	10/27/2021		2.180	.210	ug/L
cis-1,2-Dichloroethene	MW-344	4/14/2022		1.270	.210	ug/L
cis-1,2-Dichloroethene	MW-344	9/01/2022		1.900	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	9/29/2023		2.400	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	3/19/2024		1.100	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	10/03/2024		1.800	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	3/25/2025		1.600	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	9/15/2025		1.600	1.000	ug/L
delta-BHC	MW-344	10/02/2018		.0029	.0025	ug/L
Endosulfan I	MW-344	10/02/2018		.00217	.00217	ug/L
Endrin	MW-344	10/02/2018		.00264	.00207	ug/L
gamma-BHC (Lindane)	MW-344	10/02/2018		.00220	.00207	ug/L
Methylene Chloride	MW-344	10/19/2016		.251	.170	ug/L
Vinyl Chloride	MW-344	9/24/2009		1.110	.000	ug/L
Vinyl Chloride	MW-344	3/25/2010		1.030	.000	ug/L
Vinyl Chloride	MW-344	9/22/2011		1.070	.000	ug/L
Vinyl Chloride	MW-344	3/16/2012		1.270	.000	ug/L
Vinyl Chloride	MW-344	9/20/2012		1.500	.000	ug/L
Vinyl Chloride	MW-344	3/27/2013		1.320	.100	ug/L
Vinyl Chloride	MW-344	9/25/2013		.858	.100	ug/L
Vinyl Chloride	MW-344	4/15/2014		.884	.100	ug/L
Vinyl Chloride	MW-344	9/26/2014		.484	.100	ug/L
Vinyl Chloride	MW-344	3/12/2015		.428	1.000	ug/L
Vinyl Chloride	MW-344	10/19/2016		.587	.100	ug/L
Vinyl Chloride	MW-344	3/07/2017		1.050	.100	ug/L
Vinyl Chloride	MW-344	9/26/2017		.705	.100	ug/L
Vinyl Chloride	MW-344	3/14/2018		.569	.100	ug/L
Vinyl Chloride	MW-344	9/24/2019		.513	.180	ug/L
Vinyl Chloride	MW-344	9/15/2020		.903	.180	ug/L
Vinyl Chloride	MW-344	4/15/2021		.840	.180	ug/L
Vinyl Chloride	MW-344	10/27/2021		.986	.180	ug/L
Vinyl Chloride	MW-344	4/14/2022		.383	.180	ug/L
Dichlorodifluoromethane	MW-345	9/25/2013		1.49	.20	ug/L
Methylene Chloride	MW-345	9/25/2014		.596	.170	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Acetone	MW-380	3/09/2017		12.20	1.79	ug/L
Acetone	MW-380	6/28/2017		4.52	1.79	ug/L
Acetone	MW-380	3/14/2018		2.46	1.79	ug/L
Bromomethane	MW-380	3/14/2018		.31	.22	ug/L
Carbon Disulfide	MW-380	9/15/2025		1.7	1.0	ug/L
Methylene Chloride	MW-380	10/20/2016		.30	.17	ug/L
Xylenes, Total	MW-380	3/09/2017		.672	.130	ug/L
Acetone	MW-381	9/26/2017		2.94	1.79	ug/L
Acetone	MW-381	3/14/2018		2.87	1.79	ug/L
Bromomethane	MW-381	9/26/2017		.322	.220	ug/L
Bromomethane	MW-381	3/14/2018		.240	.220	ug/L
Methylene Chloride	MW-381	10/19/2016		.283	.170	ug/L
Xylenes, Total	MW-381	10/19/2016		.242	.130	ug/L
Xylenes, Total	MW-381	3/07/2017		.435	.130	ug/L
1,1-Dichloroethane	MW-382R	3/29/2011		2.90	.00	ug/L
1,1-Dichloroethane	MW-382R	6/25/2011		2.87	.00	ug/L
1,1-Dichloroethane	MW-382R	8/08/2011		2.74	.00	ug/L
1,1-Dichloroethane	MW-382R	9/22/2011		2.15	.00	ug/L
1,1-Dichloroethane	MW-382R	12/05/2011		2.98	.00	ug/L
1,1-Dichloroethane	MW-382R	3/16/2012		2.77	.00	ug/L
1,1-Dichloroethane	MW-382R	9/20/2012		2.10	.00	ug/L
1,1-Dichloroethane	MW-382R	3/27/2013		2.43	.21	ug/L
1,1-Dichloroethane	MW-382R	9/25/2013		2.00	.21	ug/L
1,1-Dichloroethane	MW-382R	4/15/2014		3.54	.21	ug/L
1,1-Dichloroethane	MW-382R	9/26/2014		2.00	.21	ug/L
1,1-Dichloroethane	MW-382R	3/12/2015		2.23	1.00	ug/L
1,1-Dichloroethane	MW-382R	9/02/2015		1.62	1.00	ug/L
1,1-Dichloroethane	MW-382R	3/23/2016		1.65	1.00	ug/L
1,1-Dichloroethane	MW-382R	10/19/2016		2.31	.21	ug/L
1,1-Dichloroethane	MW-382R	3/07/2017		1.81	.21	ug/L
1,1-Dichloroethane	MW-382R	9/26/2017		1.93	.21	ug/L
1,1-Dichloroethane	MW-382R	3/14/2018		2.60	.21	ug/L
1,1-Dichloroethane	MW-382R	10/02/2018		1.51	.22	ug/L
1,1-Dichloroethane	MW-382R	3/28/2019		1.60	.22	ug/L
1,1-Dichloroethane	MW-382R	9/24/2019		1.71	.22	ug/L
1,1-Dichloroethane	MW-382R	3/10/2020		1.74	.22	ug/L
1,1-Dichloroethane	MW-382R	9/16/2020		2.00	.22	ug/L
1,1-Dichloroethane	MW-382R	4/15/2021		1.41	.22	ug/L
1,1-Dichloroethane	MW-382R	10/27/2021		1.69	.22	ug/L
1,1-Dichloroethane	MW-382R	4/14/2022		1.09	.22	ug/L
1,1-Dichloroethane	MW-382R	3/06/2023		1.40	1.00	ug/L
1,1-Dichloroethane	MW-382R	10/03/2024		1.40	1.00	ug/L
1,1-Dichloroethane	MW-382R	9/15/2025		1.20	1.00	ug/L
Acetone	MW-382R	3/14/2018		2.06	1.79	ug/L
Bis(2-ethylhexyl)phthalate	MW-382R	9/29/2023		16	6	ug/L
Bromomethane	MW-382R	3/14/2018		.253	.220	ug/L
Carbon Disulfide	MW-382R	9/15/2025		1.5	1.0	ug/L
Chloroethane	MW-382R	9/25/2013		.433	.150	ug/L
cis-1,2-Dichloroethene	MW-382R	3/27/2013		.383	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	9/25/2013		.320	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	4/15/2014		.267	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	9/26/2014		.270	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	10/19/2016		.414	.130	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
cis-1,2-Dichloroethene	MW-382R	3/07/2017		.385	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	9/26/2017		.484	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	3/14/2018		.449	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	10/02/2018		.401	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	3/28/2019		.439	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	9/24/2019		.345	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	9/16/2020		.487	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	4/15/2021		.289	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	10/27/2021		.406	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	4/14/2022		.307	.210	ug/L
Dichlorodifluoromethane	MW-382R	3/16/2012		3.110	.000	ug/L
Dichlorodifluoromethane	MW-382R	3/27/2013		2.400	.200	ug/L
Dichlorodifluoromethane	MW-382R	9/25/2013		2.730	.200	ug/L
Dichlorodifluoromethane	MW-382R	4/15/2014		2.140	.200	ug/L
Dichlorodifluoromethane	MW-382R	9/26/2014		2.700	.200	ug/L
Dichlorodifluoromethane	MW-382R	3/12/2015		1.590	.200	ug/L
Dichlorodifluoromethane	MW-382R	10/19/2016		1.770	.200	ug/L
Dichlorodifluoromethane	MW-382R	3/07/2017		1.860	.200	ug/L
Dichlorodifluoromethane	MW-382R	9/26/2017		.898	.200	ug/L
Dichlorodifluoromethane	MW-382R	3/14/2018		1.110	.200	ug/L
Dichlorodifluoromethane	MW-382R	10/02/2018		.962	.250	ug/L
Methylene Chloride	MW-382R	3/27/2013		.193	.170	ug/L
Methylene Chloride	MW-382R	10/19/2016		.394	.170	ug/L
Methylene Chloride	MW-382R	3/07/2017		.312	.170	ug/L
Vinyl Chloride	MW-382R	9/25/2013		.345	.100	ug/L
Vinyl Chloride	MW-382R	3/14/2018		.296	.100	ug/L
Vinyl Chloride	MW-382R	4/15/2021		.206	.180	ug/L
Vinyl Chloride	MW-382R	10/27/2021		.241	.180	ug/L
Xylenes, Total	MW-382R	9/25/2013		.134	.130	ug/L
Acetonitrile	MW-383	9/26/2013		1170	126	ug/L
Methylene Chloride	MW-383	3/27/2013		.238	.170	ug/L
Methylene Chloride	MW-383	9/25/2014		.424	.170	ug/L
1,2-Dichloroethane	MW-384	3/14/2018		.195	.180	ug/L
Acetone	MW-384	3/09/2017		2.77	1.79	ug/L
Acetone	MW-384	9/27/2017		2.49	1.79	ug/L
Bromomethane	MW-384	10/20/2016		.313	.220	ug/L
Methylene Chloride	MW-384	9/25/2014		.520	.170	ug/L
Methylene Chloride	MW-384	9/27/2017		.292	.170	ug/L
Xylenes, Total	MW-384	9/01/2015		3.000	3.000	ug/L
Xylenes, Total	MW-384	10/20/2016		.707	.130	ug/L
Xylenes, Total	MW-384	3/09/2017		.949	.130	ug/L
Acetone	MW-385	3/08/2017		3.51	1.79	ug/L
Acetone	MW-385	9/27/2017		3.14	1.79	ug/L
Bromomethane	MW-385	10/20/2016		.599	.220	ug/L
Methylene Chloride	MW-385	3/28/2013		.343	.170	ug/L
Methylene Chloride	MW-385	9/25/2014		.448	.170	ug/L
Methylene Chloride	MW-385	10/20/2016		.224	.170	ug/L
Methylene Chloride	MW-385	3/08/2017		.501	.170	ug/L
Methylene Chloride	MW-385	9/27/2017		.380	.170	ug/L
Xylenes, Total	MW-385	10/20/2016		.387	.130	ug/L
Xylenes, Total	MW-385	3/08/2017		.898	.130	ug/L
Xylenes, Total	MW-385	9/27/2017		.164	.130	ug/L
Acetone	MW-390	3/08/2017		7.42	1.79	ug/L

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

Table 1**Historical Volatile Organic Compound Detections**

Constituent	Well	Date	Identifier	Result	Limit	Units
Acetone	MW-390	9/25/2017		2.90	1.79	ug/L
Acetone	MW-390	3/27/2019		3.35	3.10	ug/L
Acetone	MW-390	3/09/2020		5.37	3.10	ug/L
Carbon Disulfide	MW-390	9/25/2017		.177	.150	ug/L
Methylene Chloride	MW-390	10/21/2016		.397	.170	ug/L
Methylene Chloride	MW-390	3/13/2018		.209	.170	ug/L
Xylenes, Total	MW-390	10/21/2016		.464	.130	ug/L
Xylenes, Total	MW-390	3/08/2017		.566	.130	ug/L
Xylenes, Total	MW-390	3/27/2019		1.050	.400	ug/L
Benzene	MW-603	3/10/2020		.312	.220	ug/L
Carbon Disulfide	MW-603	9/15/2025		2.4	1.0	ug/L
Carbon Disulfide	MW-604	9/15/2025		1	1	ug/L

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

Attachment F

Summary Tables and Graphs for the LCL Comparisons – VOCs

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-344	4	0.500	0.000	1.176	0.500	0.500	140.000	
cis-1,2-Dichloroethene	ug/L	MW-344	4	1.525	0.299	1.176	1.174	1.876	70.000	
1,1-Dichloroethane	ug/L	MW-382R	4	0.900	0.469	1.176	0.348	1.452	140.000	dec
cis-1,2-Dichloroethene	ug/L	MW-382R	4	0.500	0.000	1.176	0.500	0.500	70.000	

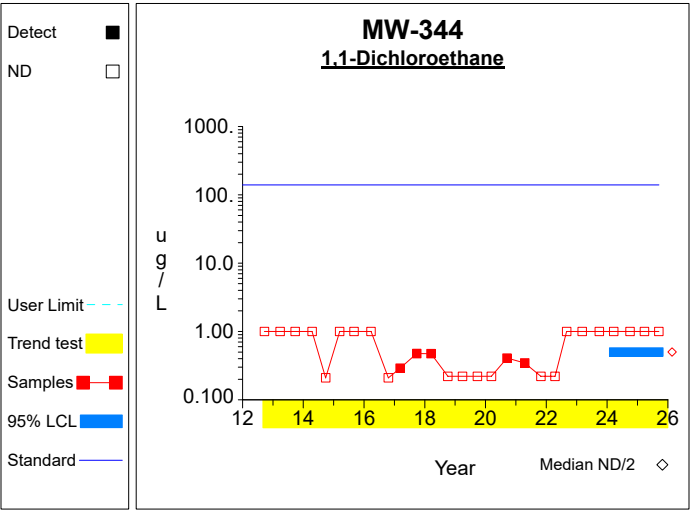
* - Insufficient Data

** - Significant Exceedance

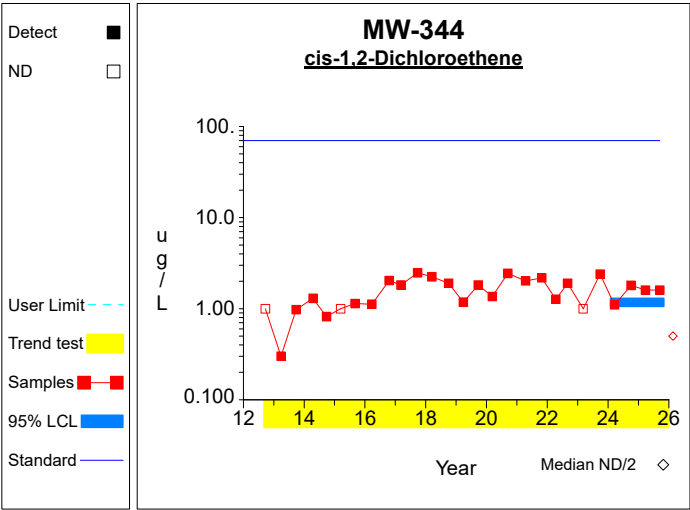
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

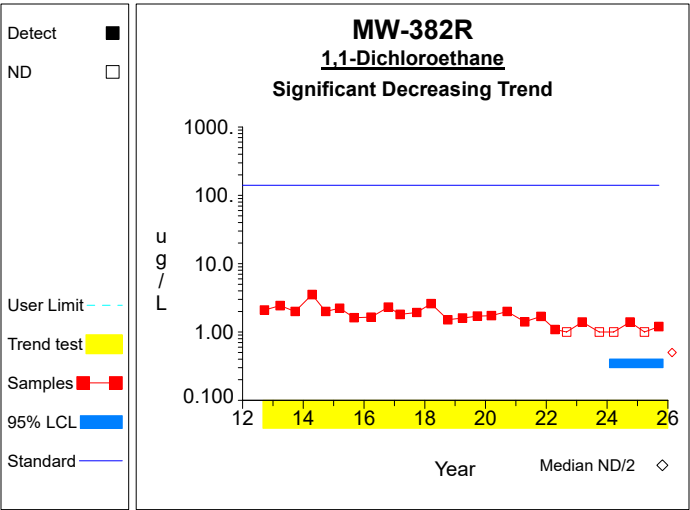
Confidence Limits (Assessment)



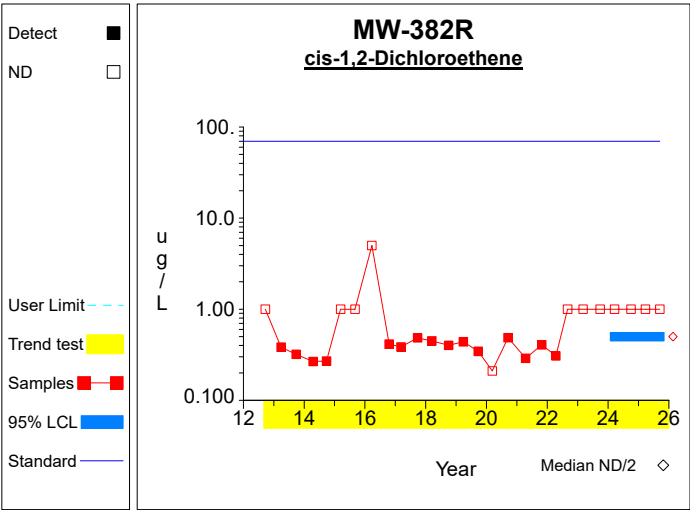
Graph 1



Graph 2



Graph 3

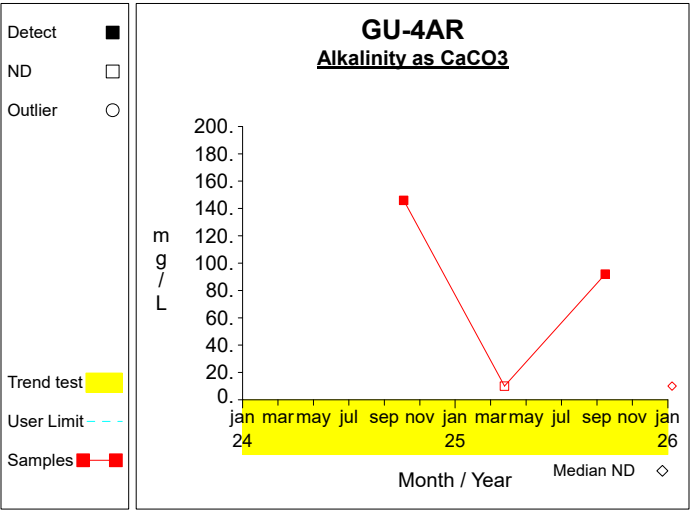


Graph 4

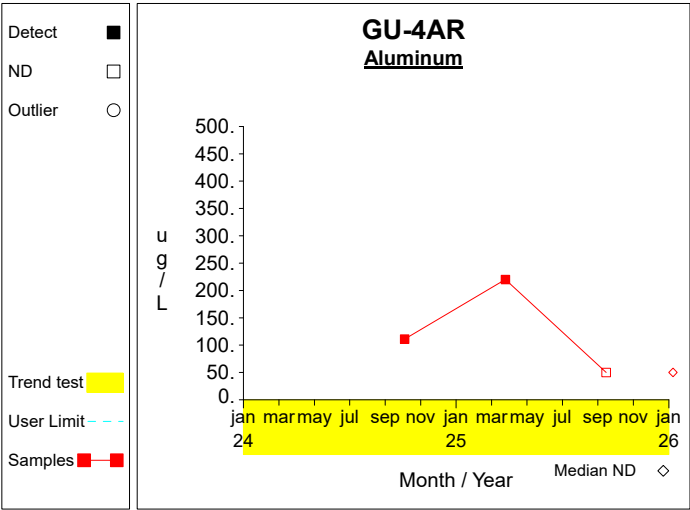
Attachment G

Time Series Plots of Inorganics

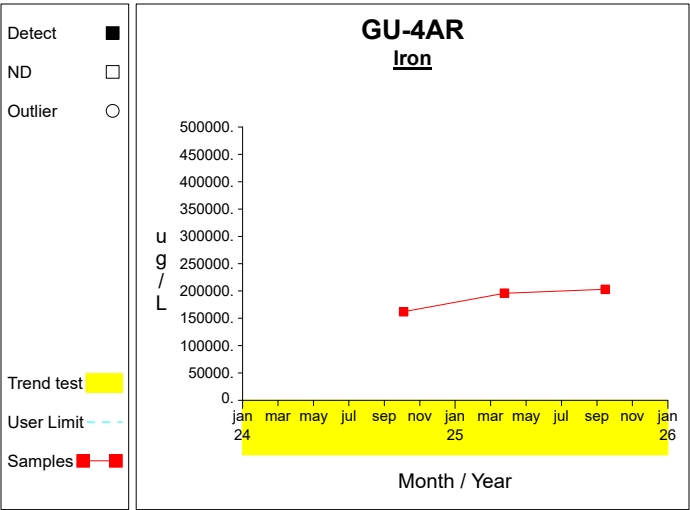
Time Series



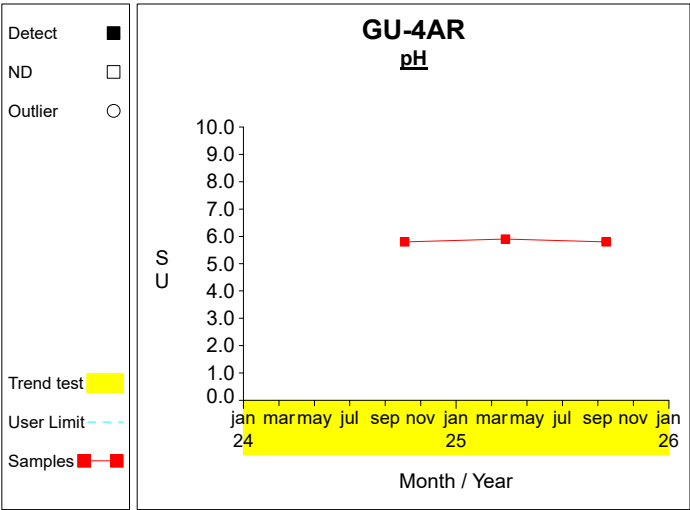
Graph 1



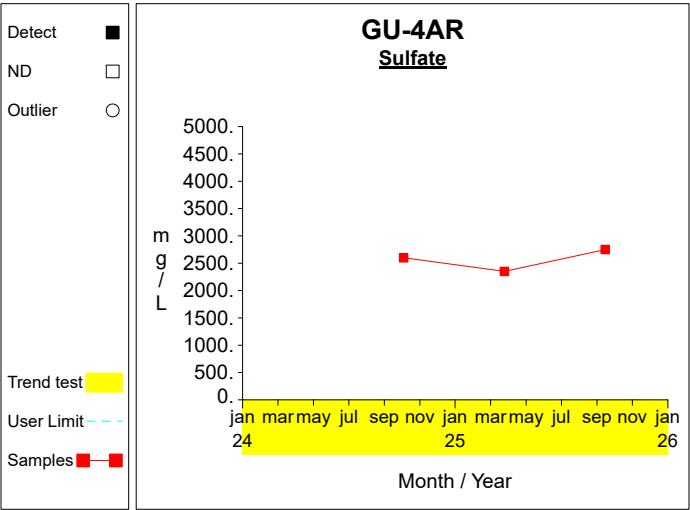
Graph 2



Graph 3

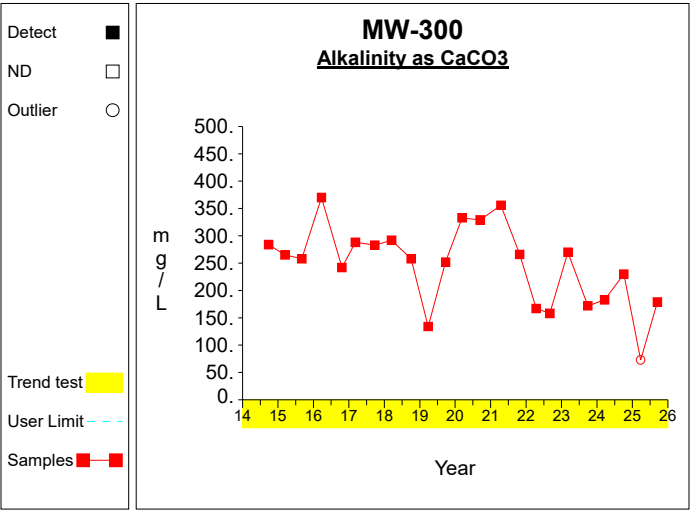


Graph 4

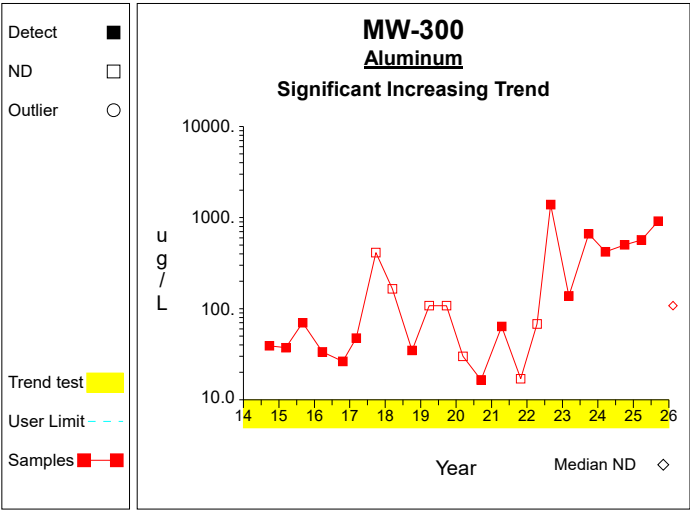


Graph 5

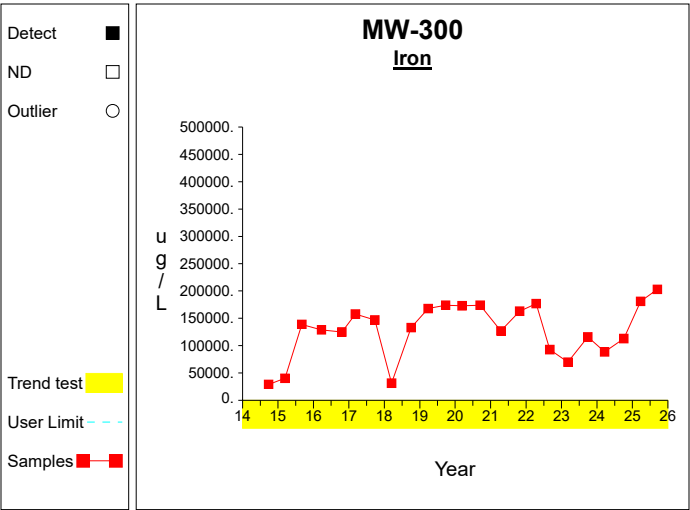
Time Series



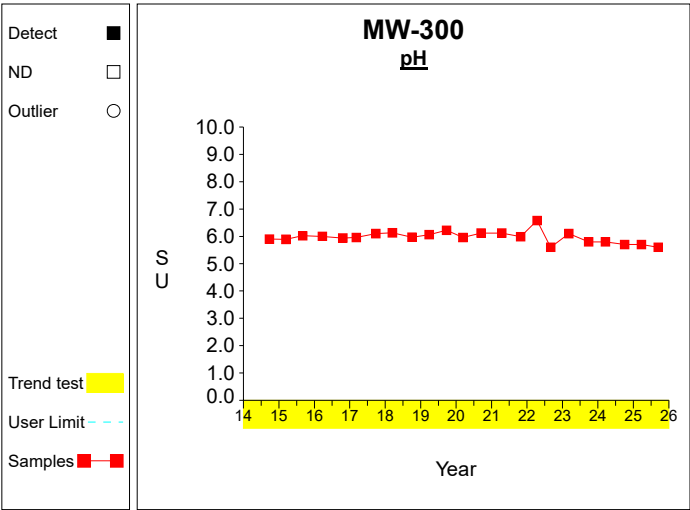
Graph 6



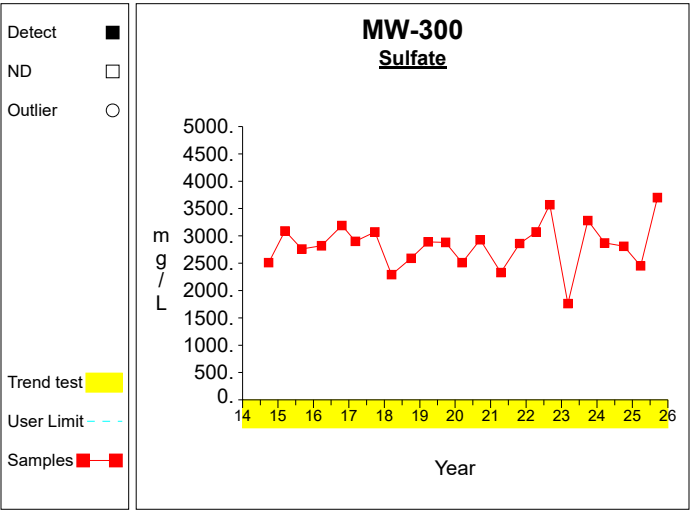
Graph 7



Graph 8

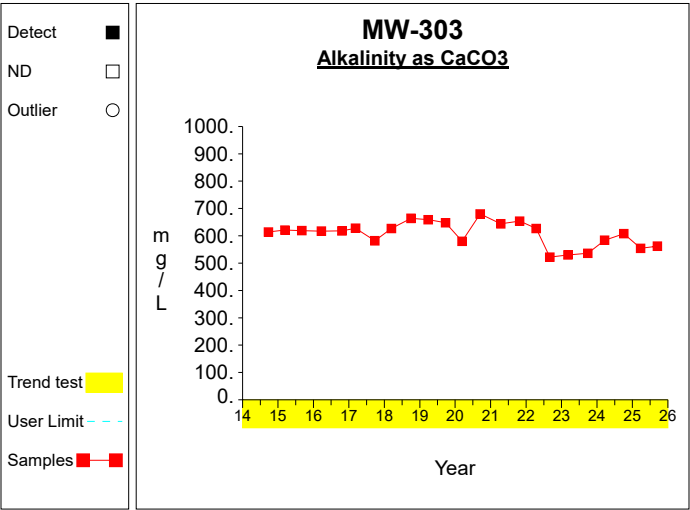


Graph 9

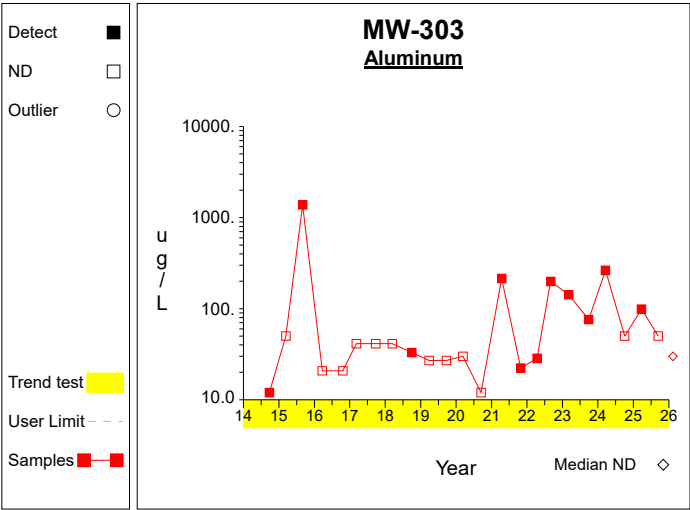


Graph 10

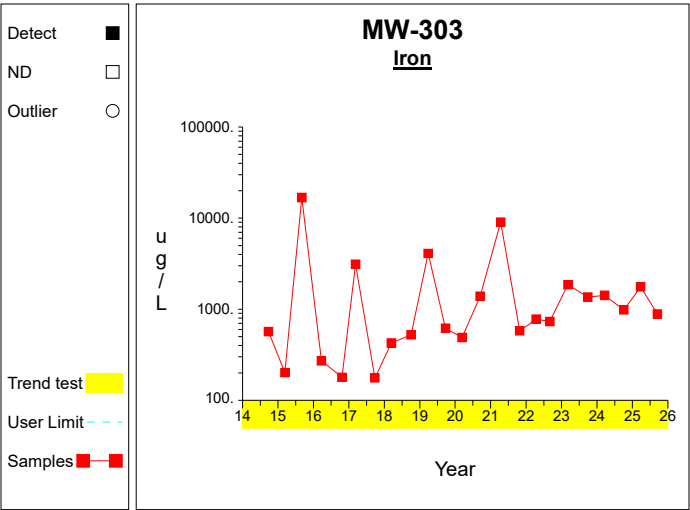
Time Series



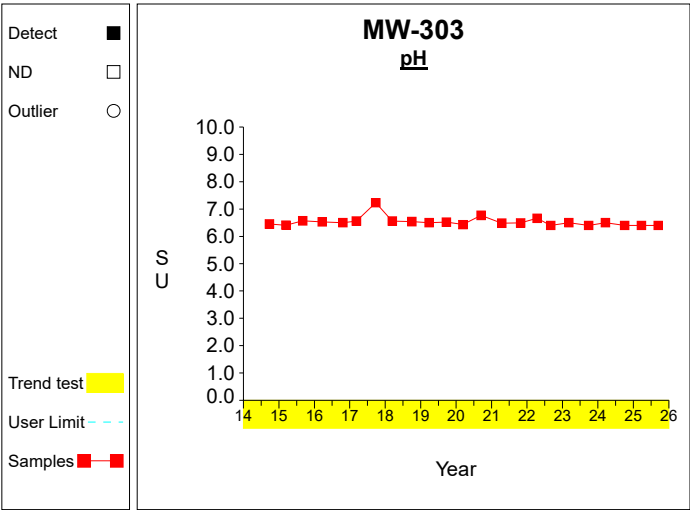
Graph 11



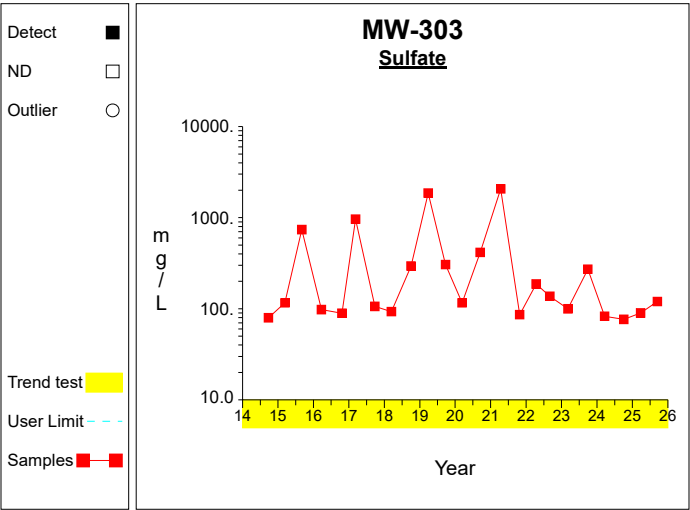
Graph 12



Graph 13

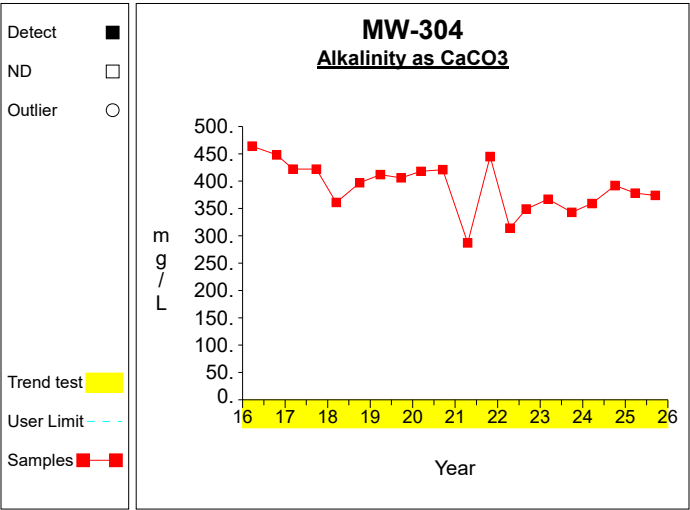


Graph 14

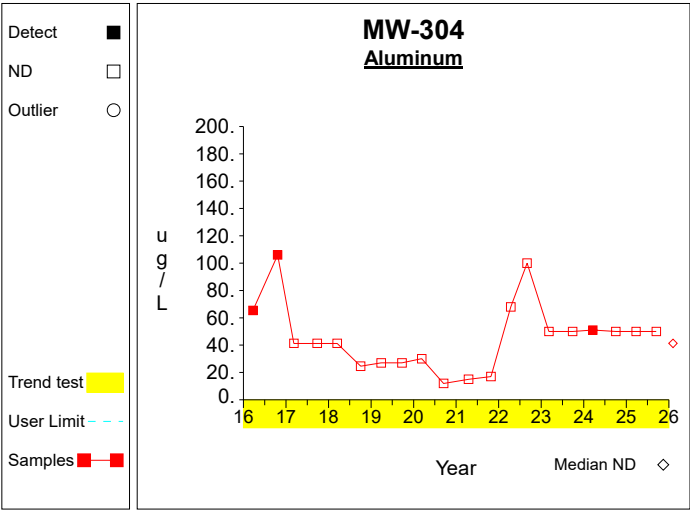


Graph 15

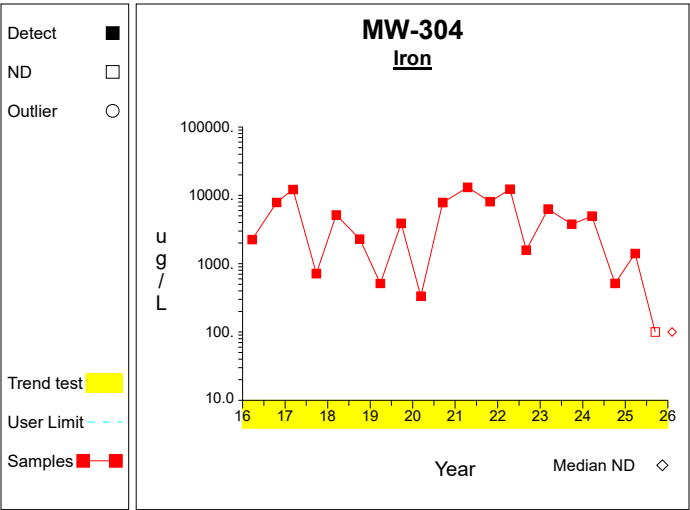
Time Series



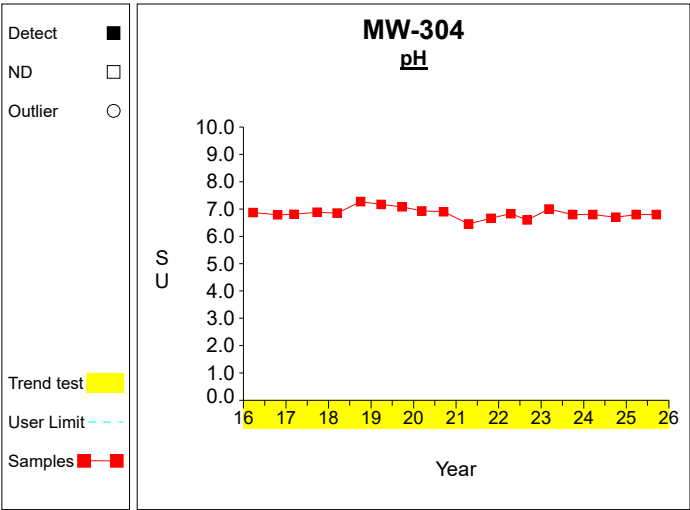
Graph 16



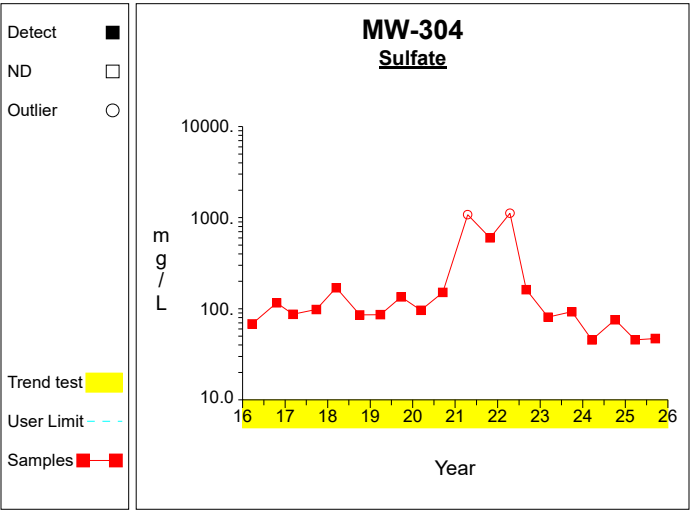
Graph 17



Graph 18

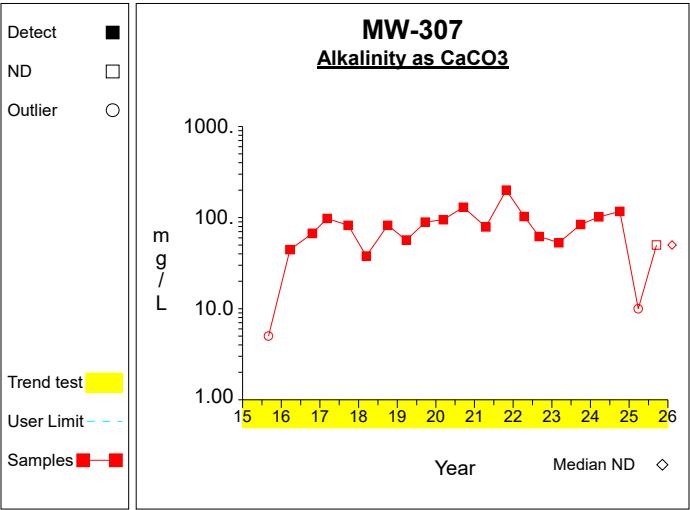


Graph 19

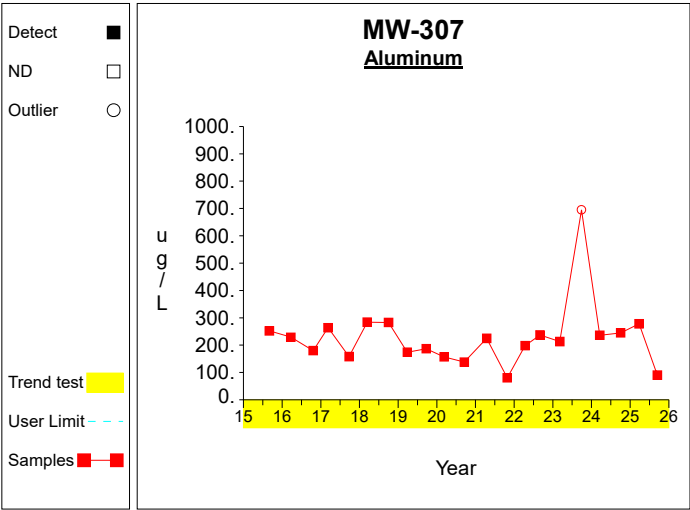


Graph 20

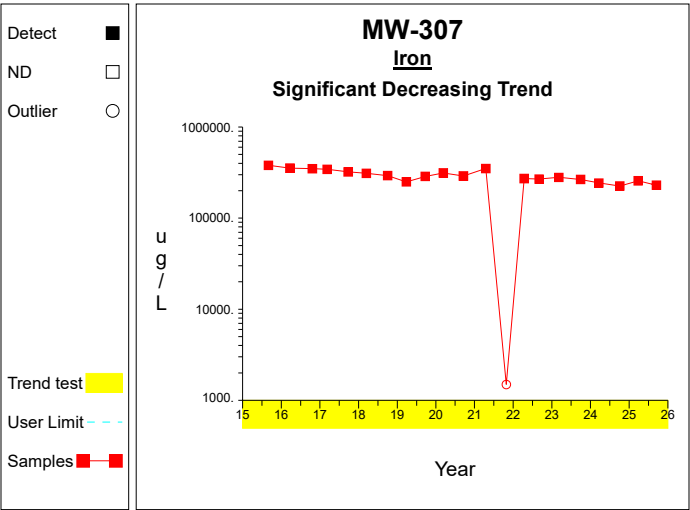
Time Series



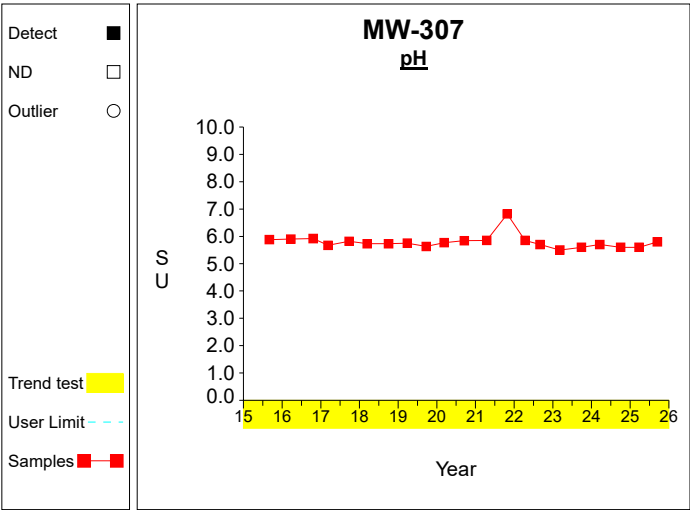
Graph 21



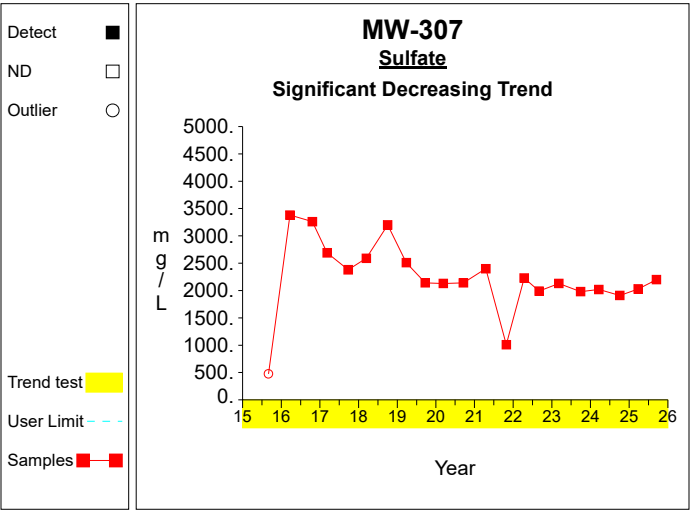
Graph 22



Graph 23

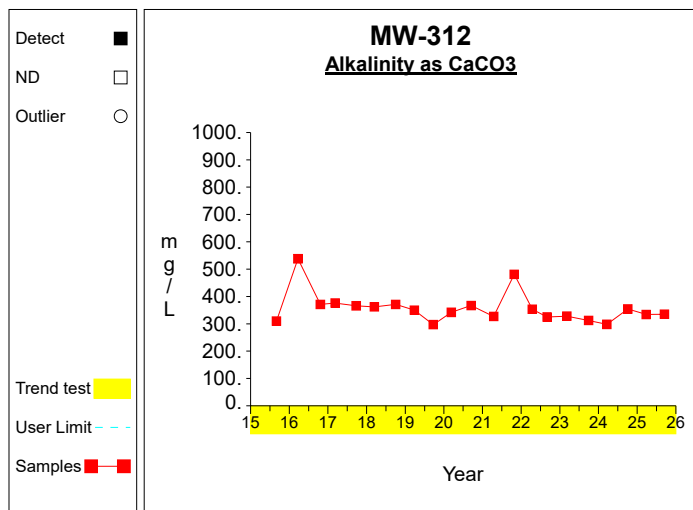


Graph 24

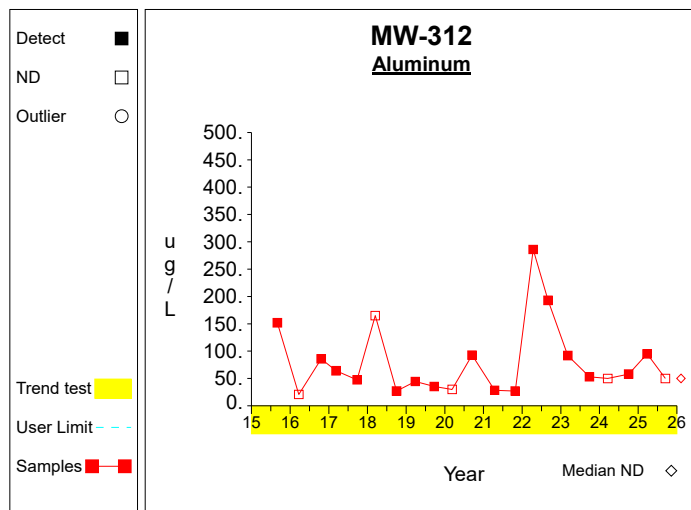


Graph 25

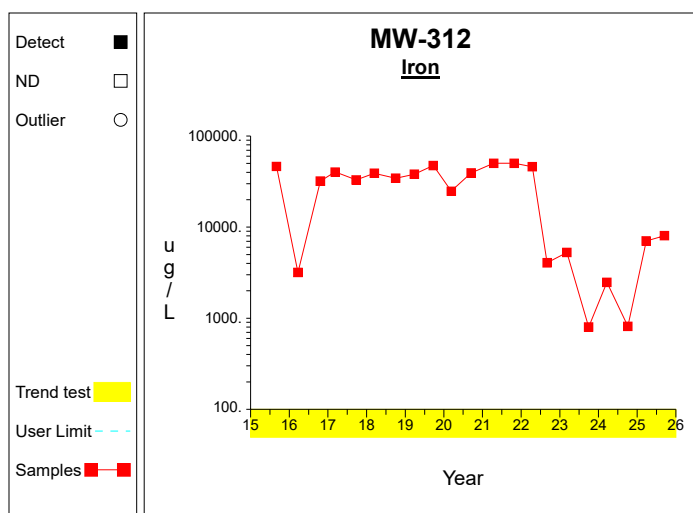
Time Series



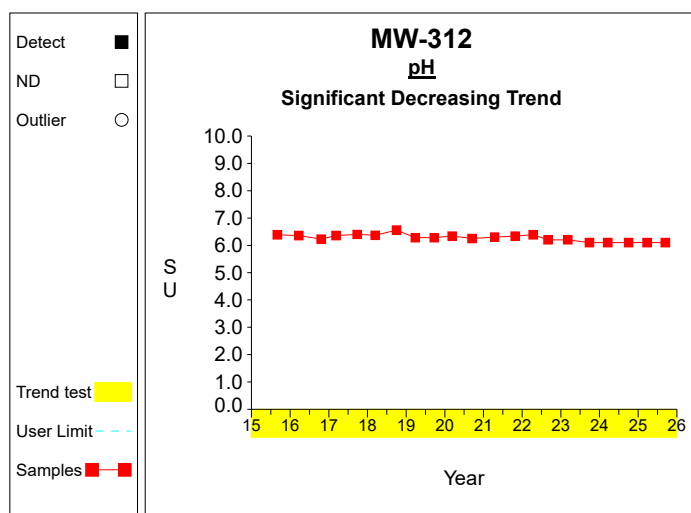
Graph 26



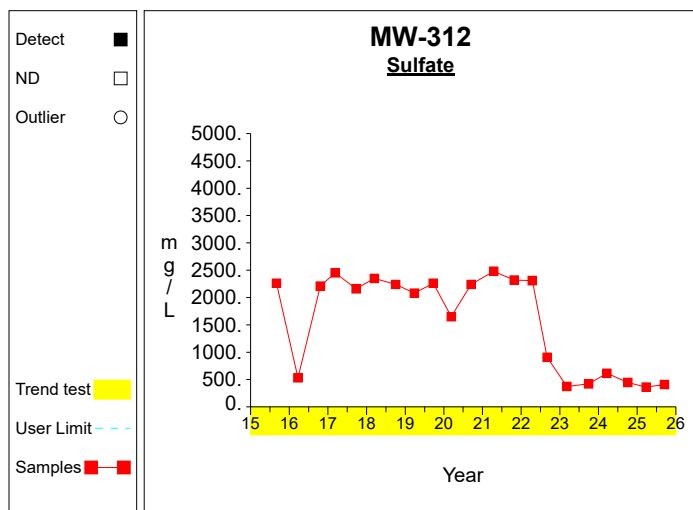
Graph 27



Graph 28

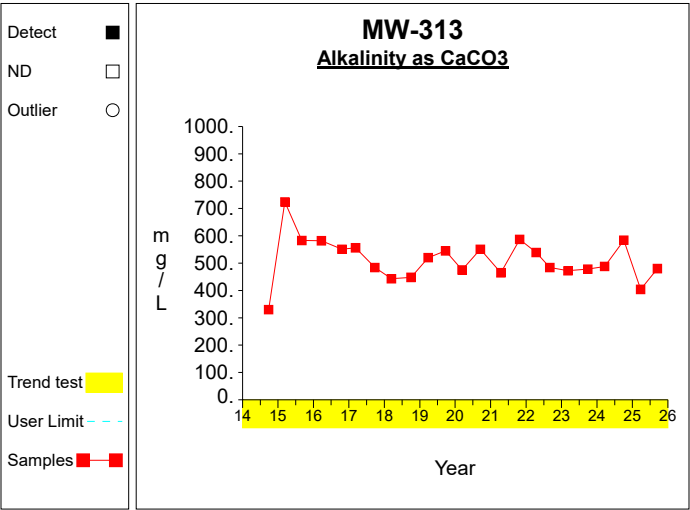


Graph 29

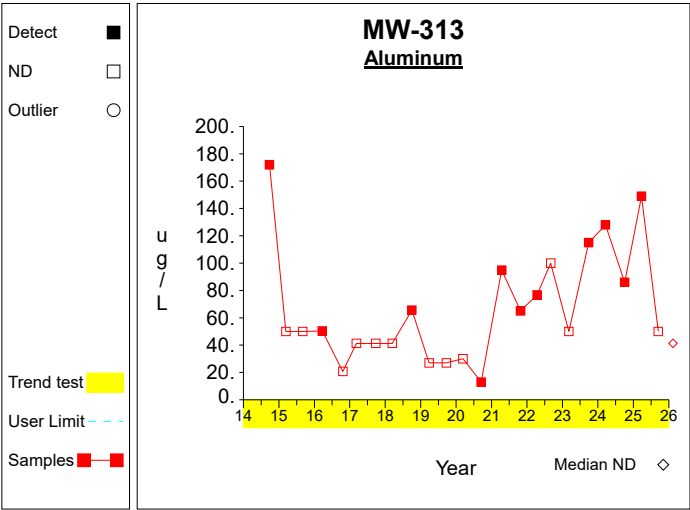


Graph 30

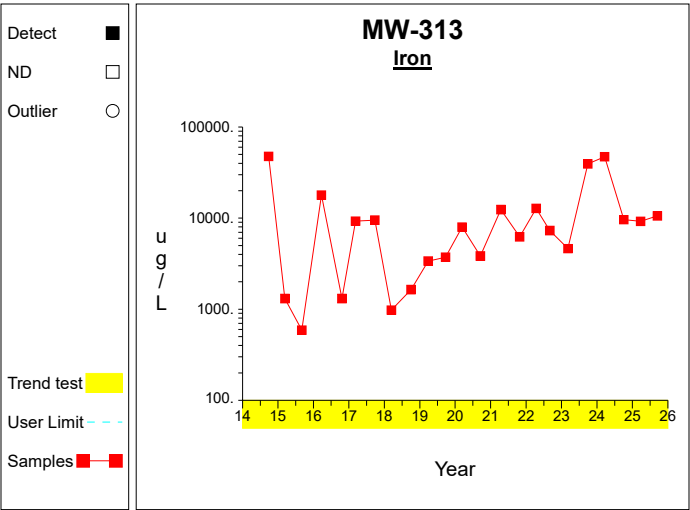
Time Series



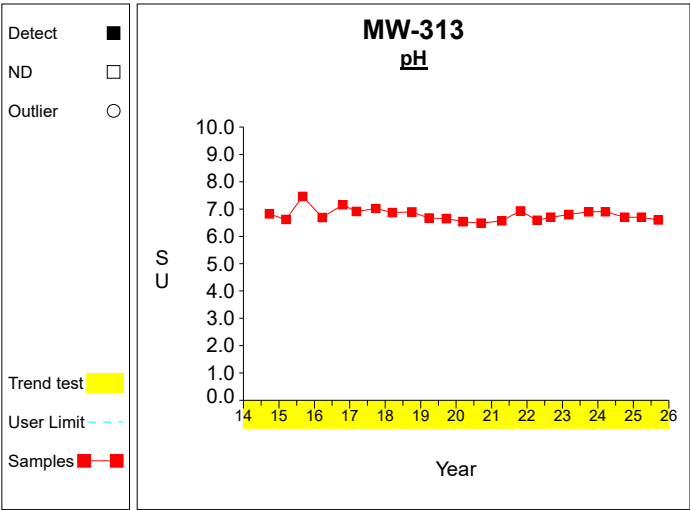
Graph 31



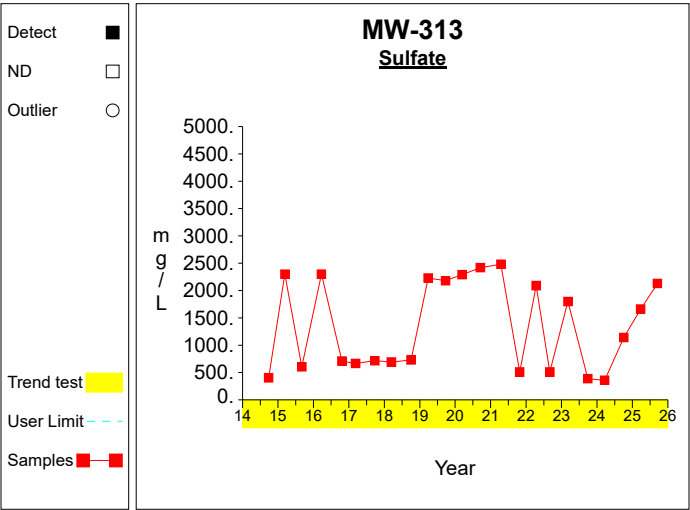
Graph 32



Graph 33

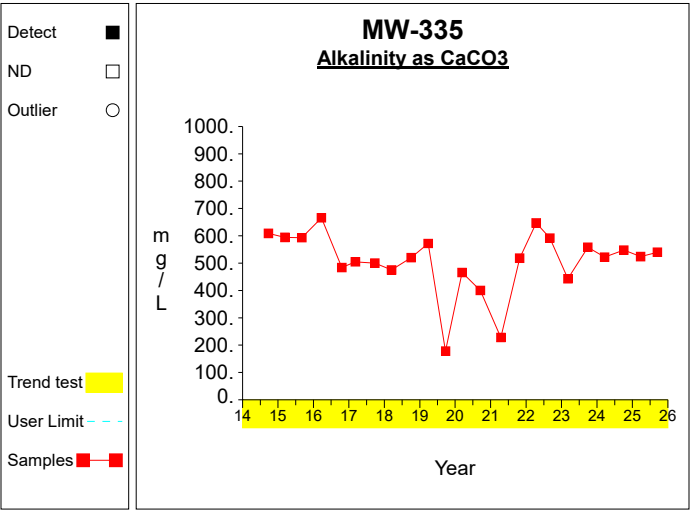


Graph 34

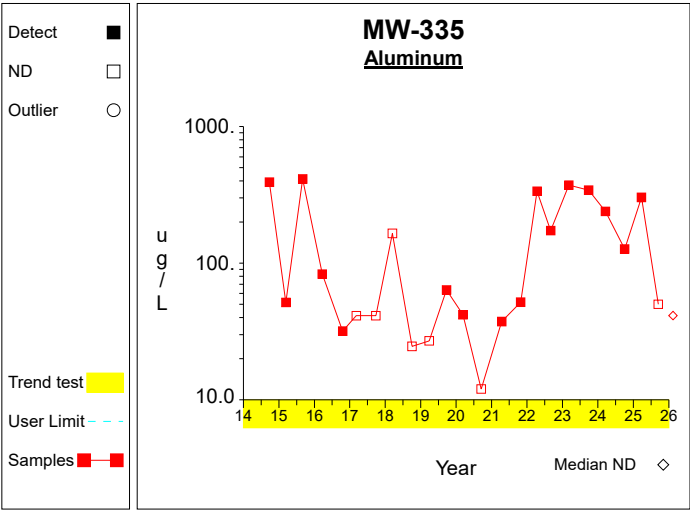


Graph 35

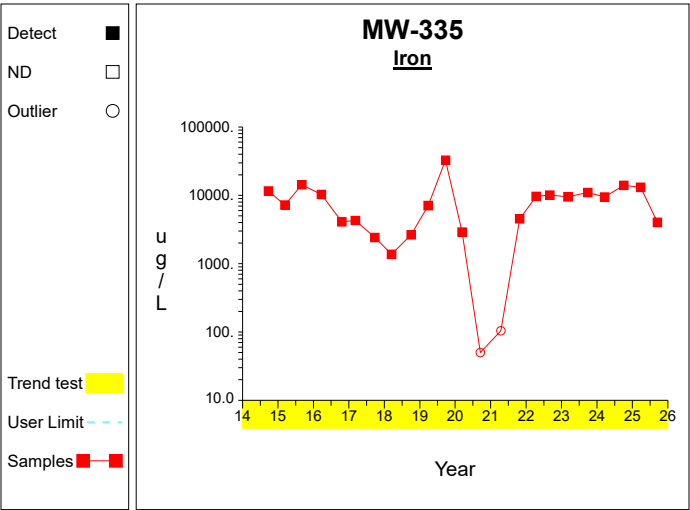
Time Series



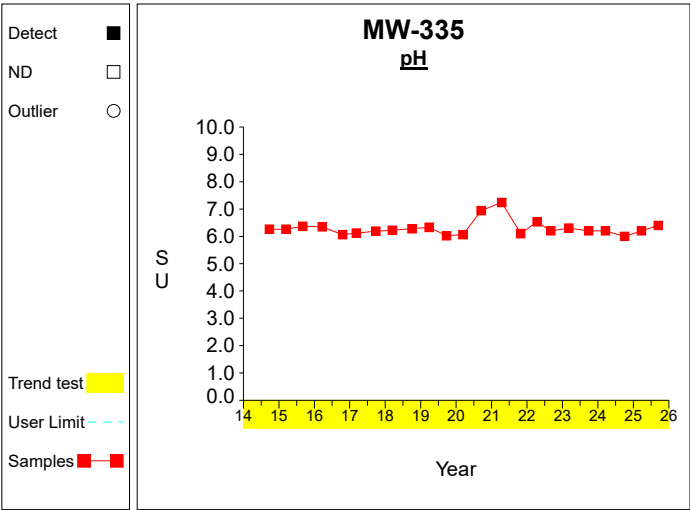
Graph 36



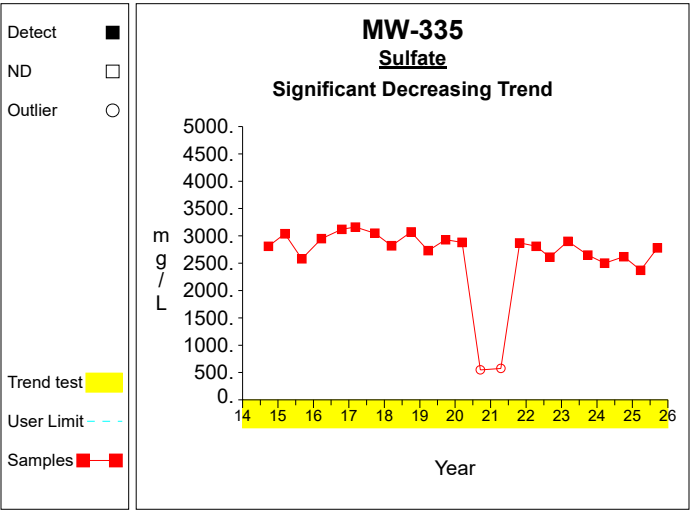
Graph 37



Graph 38

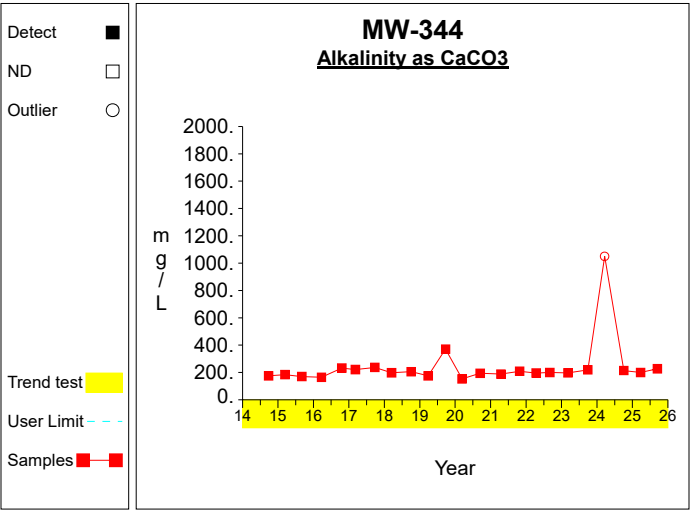


Graph 39

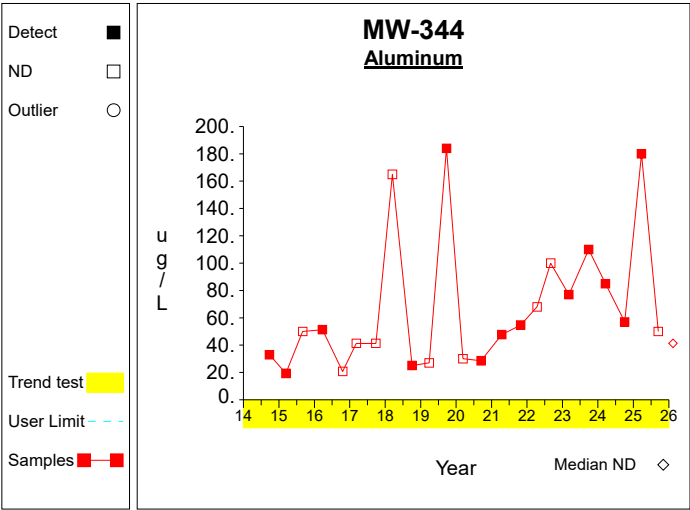


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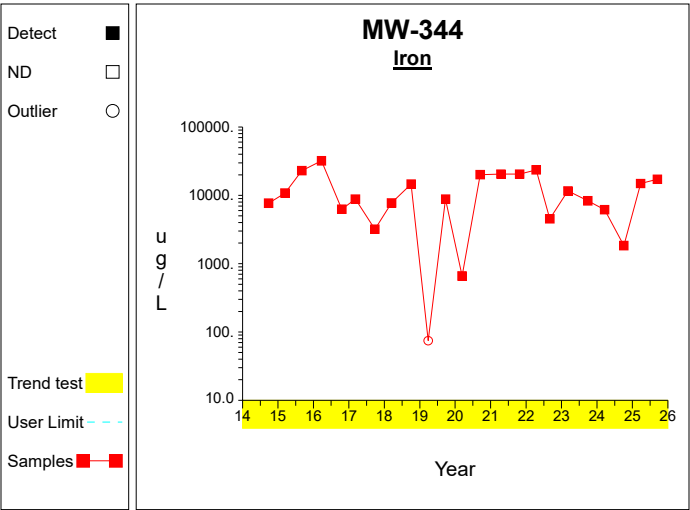
Time Series



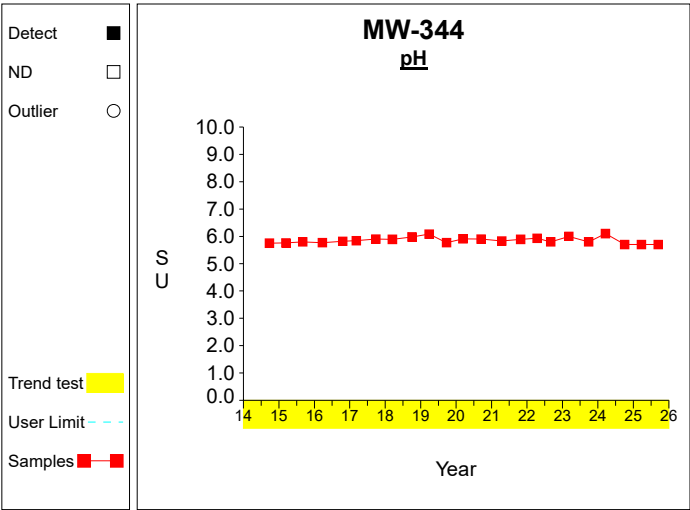
Graph 41



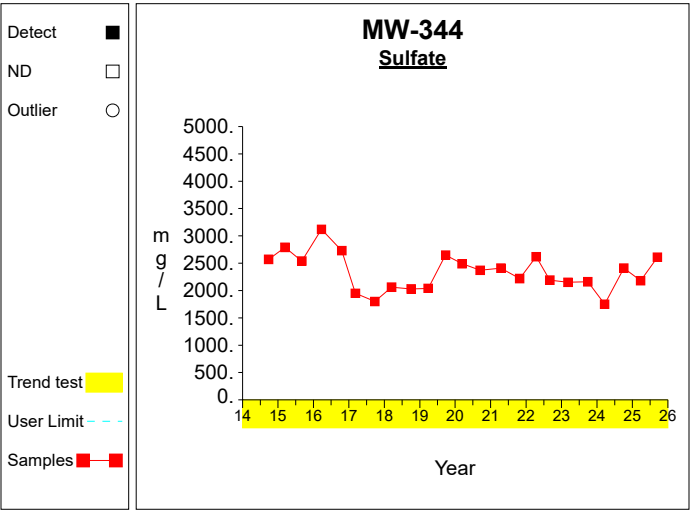
Graph 42



Graph 43

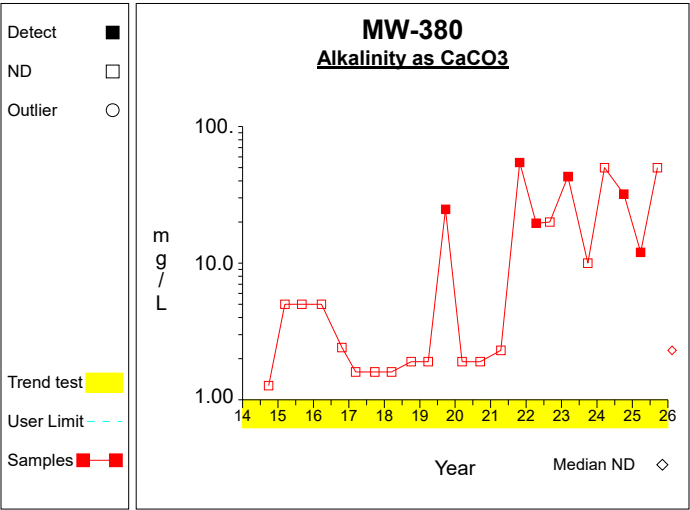


Graph 44

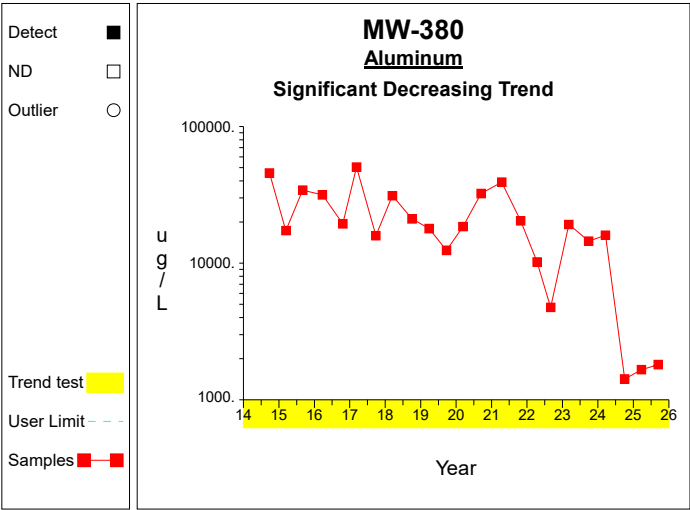


Graph 45

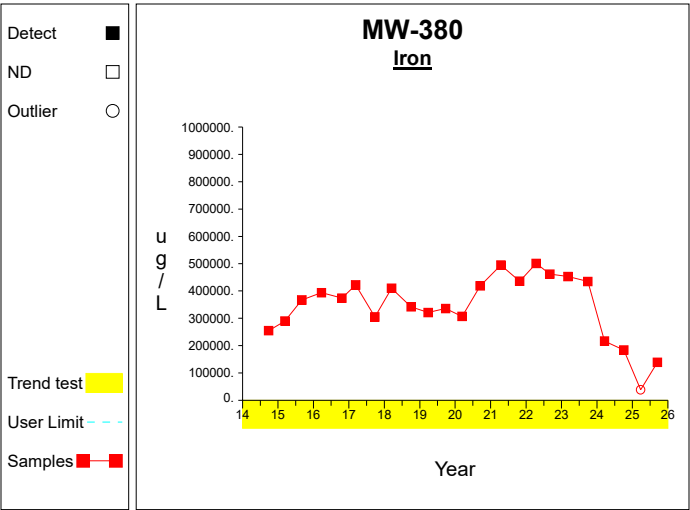
Time Series



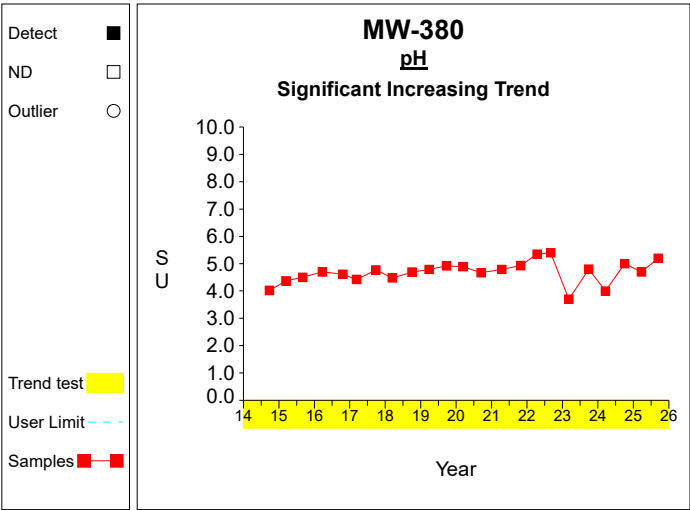
Graph 46



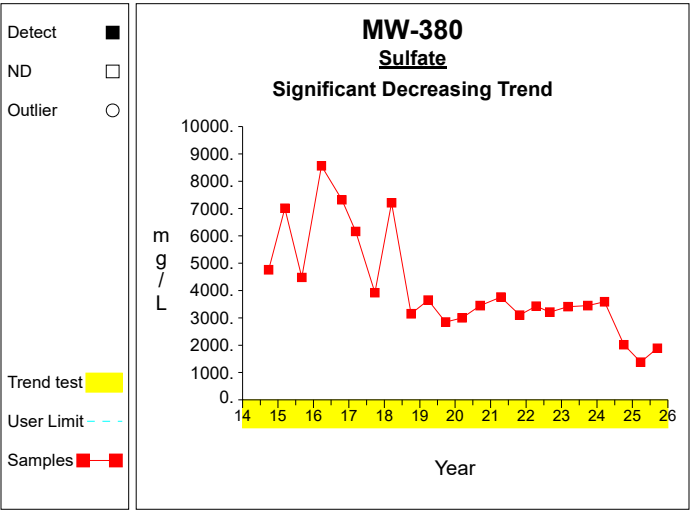
Graph 47



Graph 48

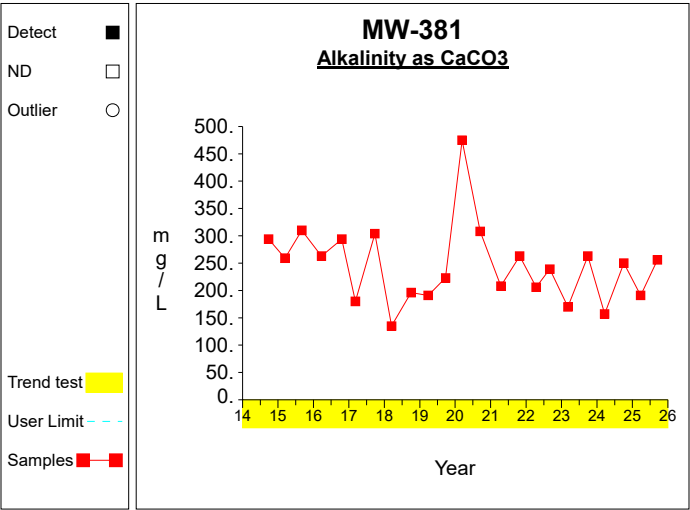


Graph 49

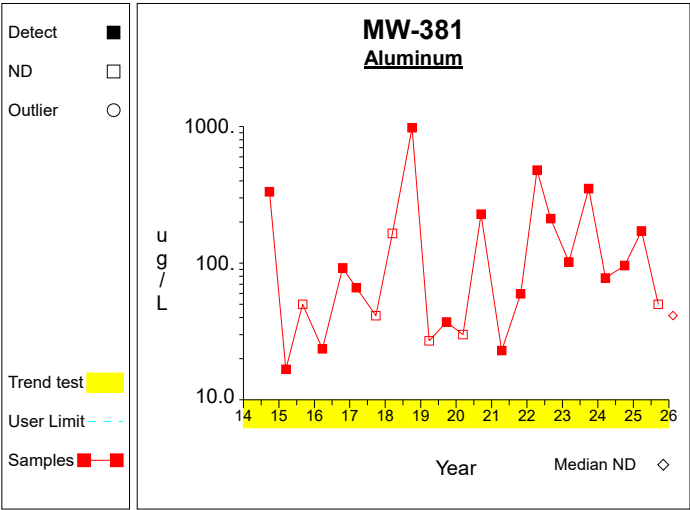


Graph 50

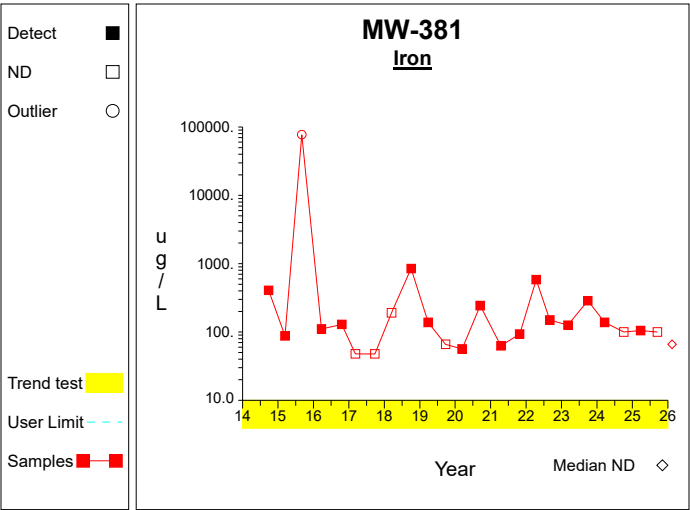
Time Series



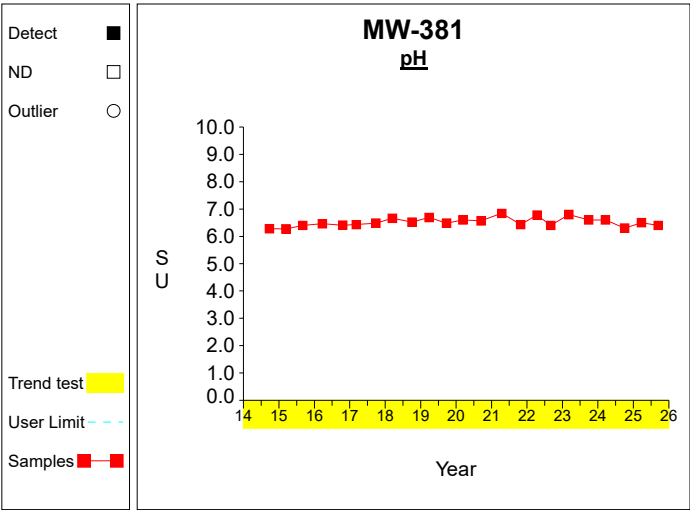
Graph 51



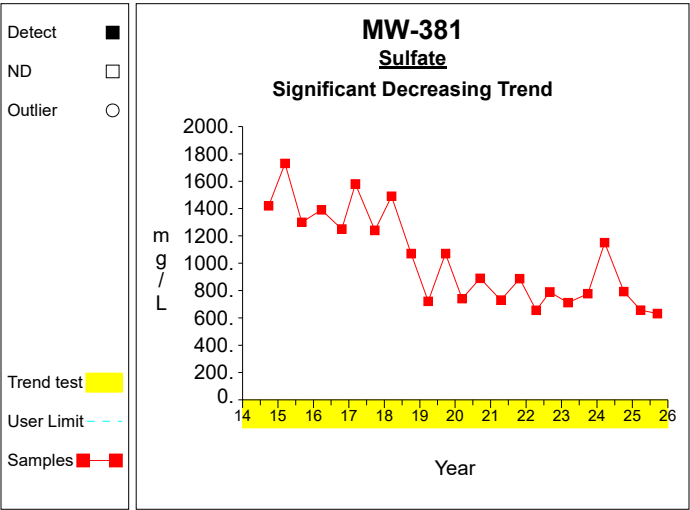
Graph 52



Graph 53

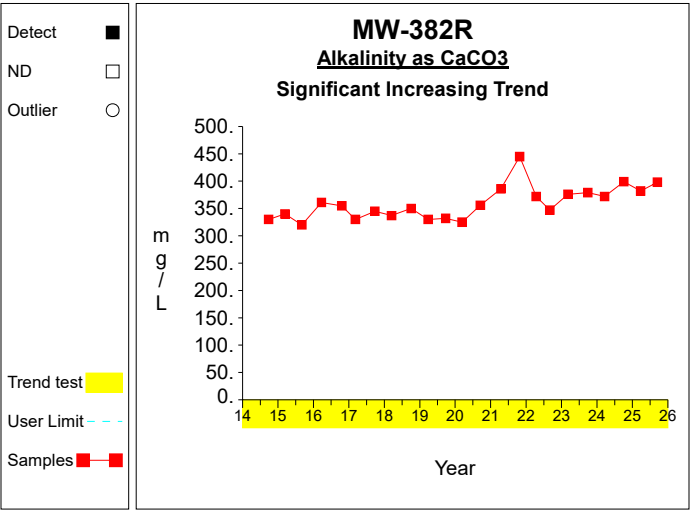


Graph 54

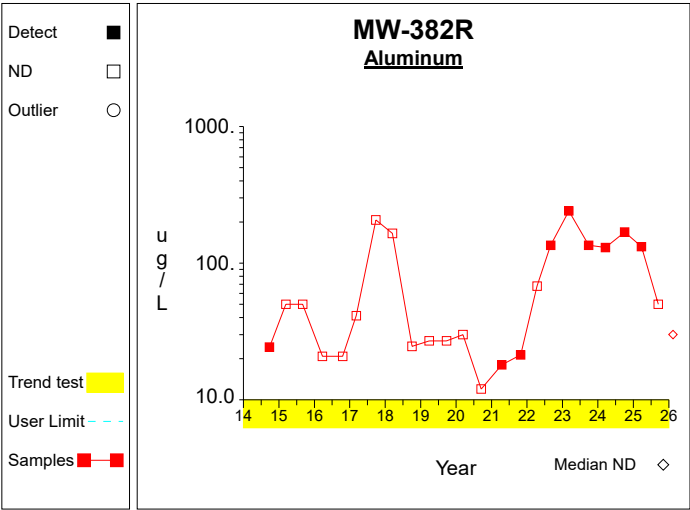


Graph 55

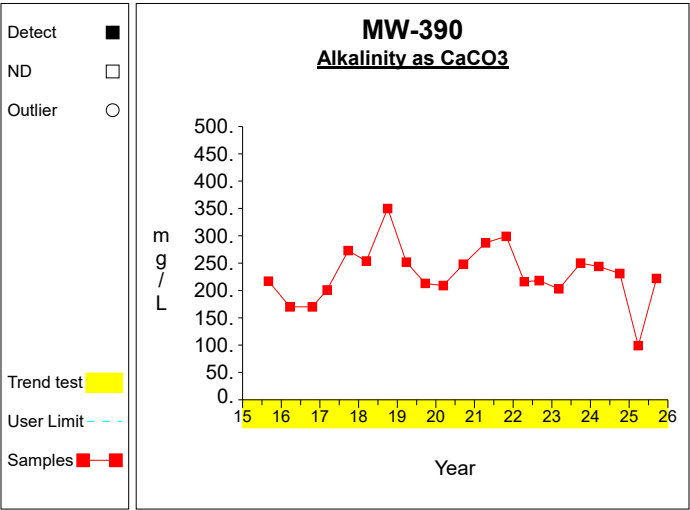
Time Series



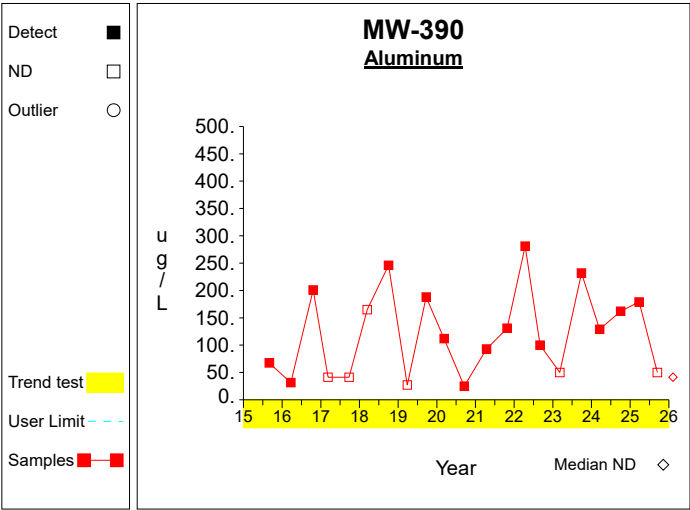
Graph 56



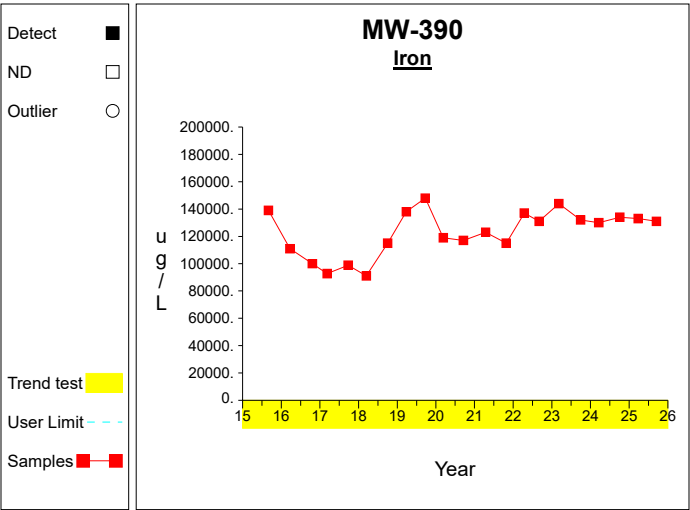
Time Series



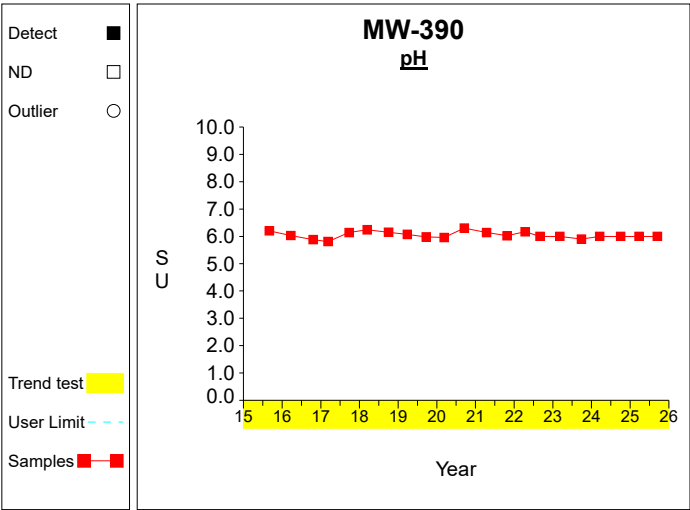
Graph 61



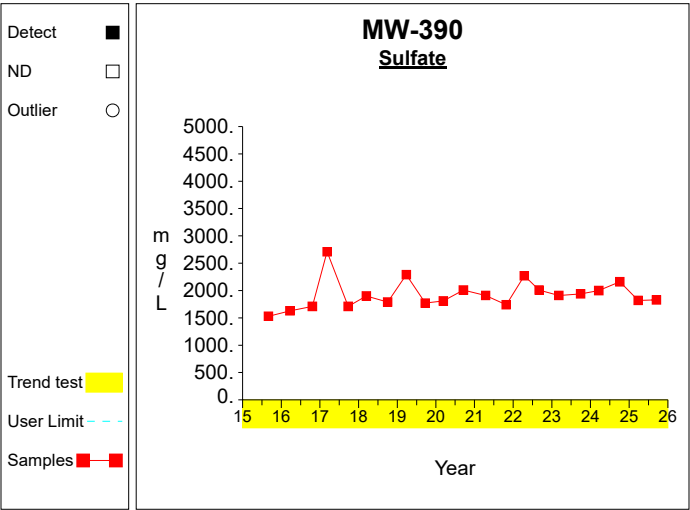
Graph 62



Graph 63

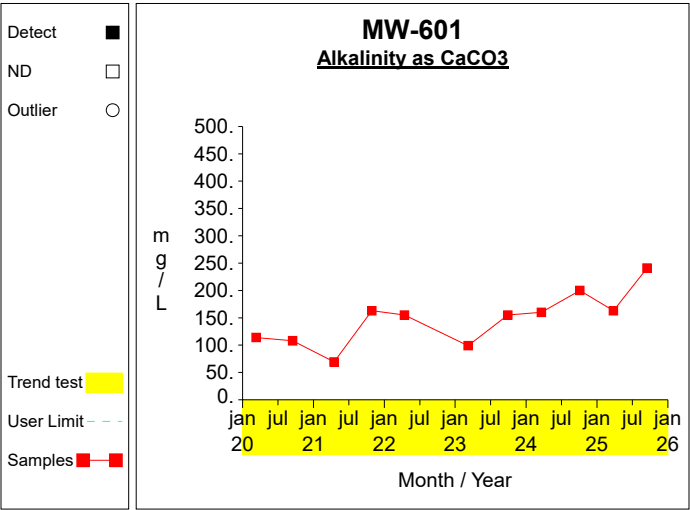


Graph 64

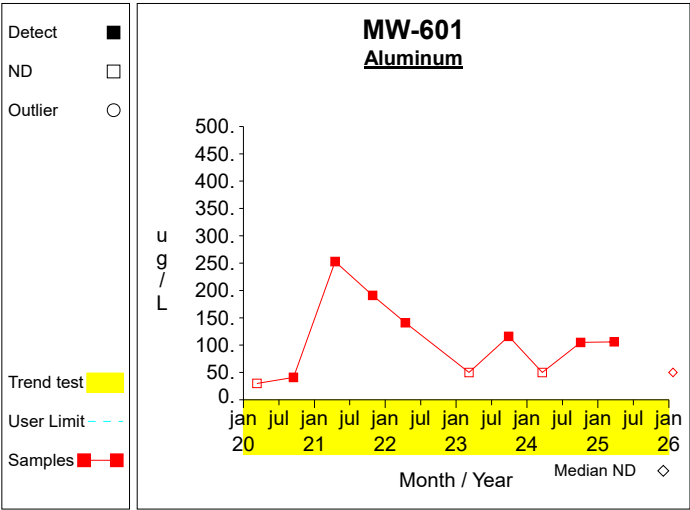


Graph 65

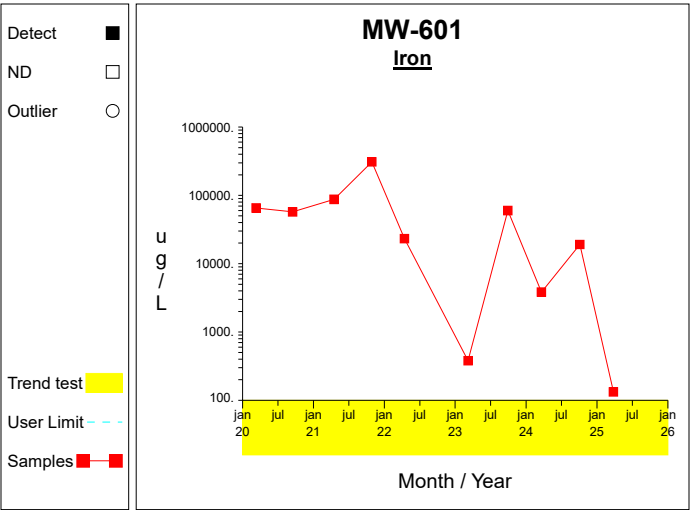
Time Series



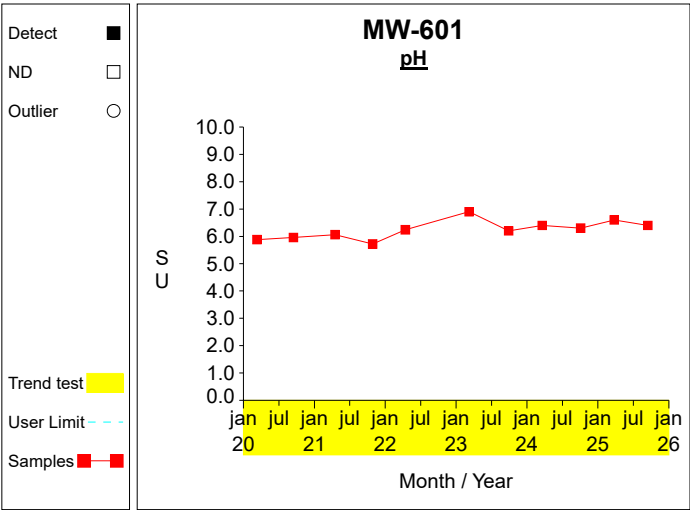
Graph 66



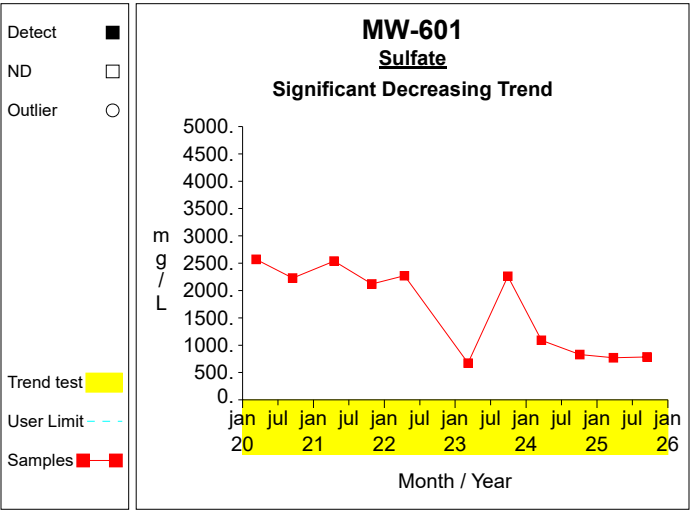
Graph 67



Graph 68

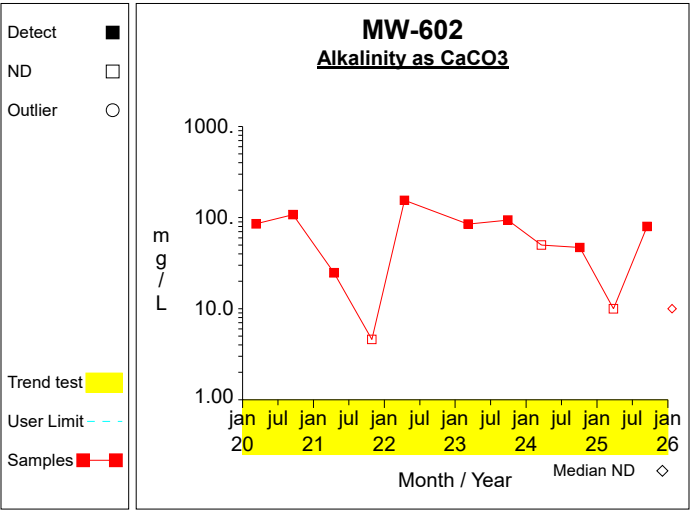


Graph 69

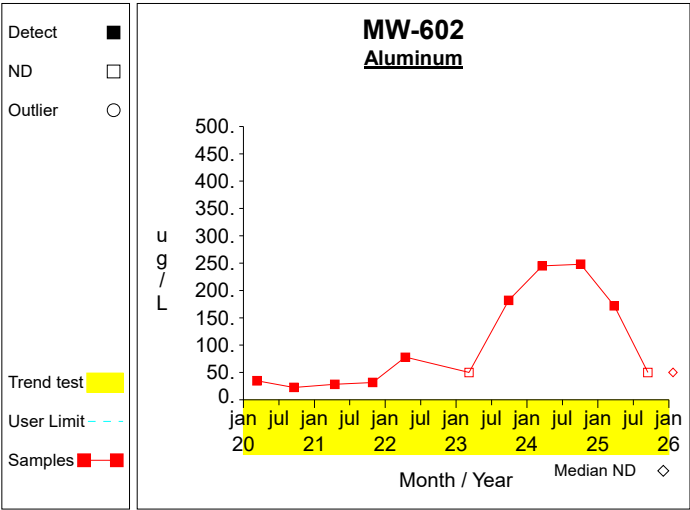


Graph 70

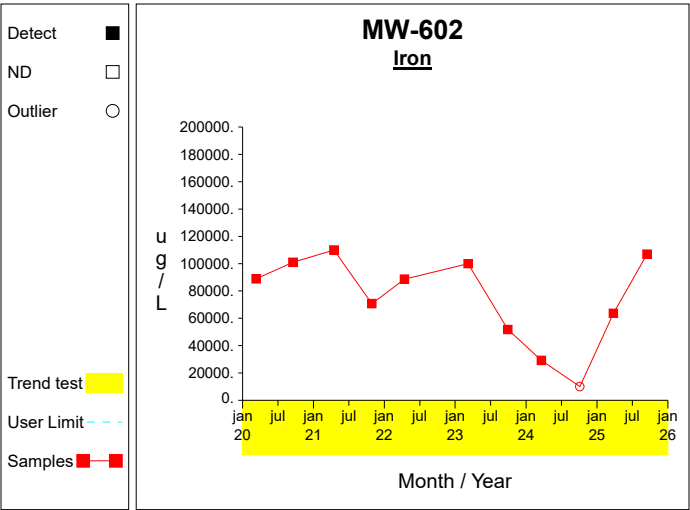
Time Series



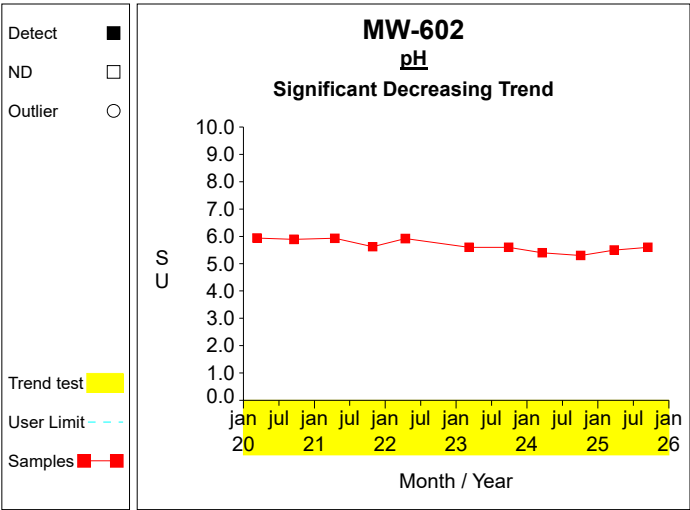
Graph 71



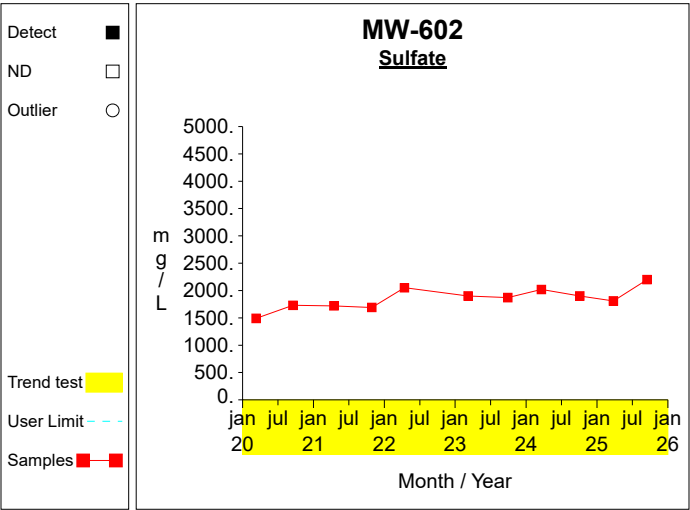
Graph 72



Graph 73

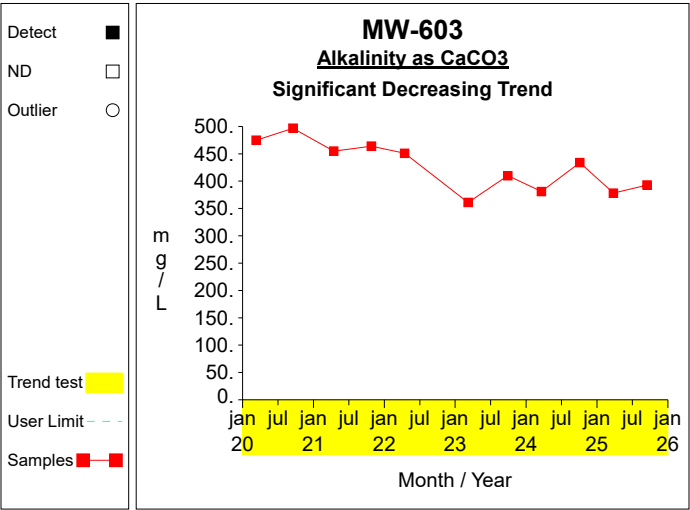


Graph 74

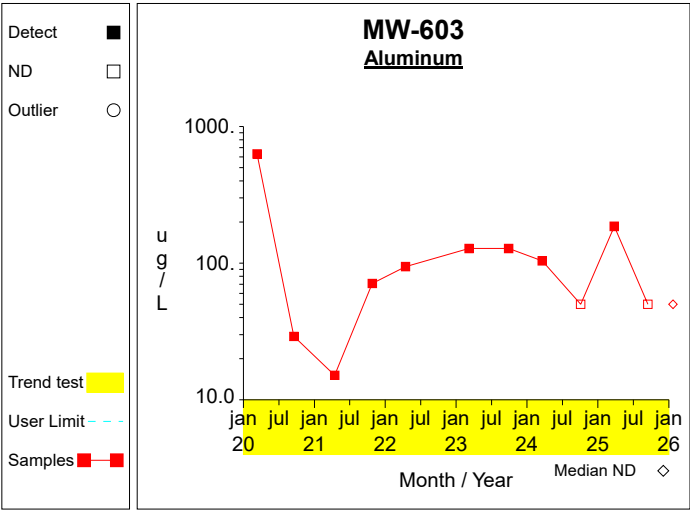


Graph 75

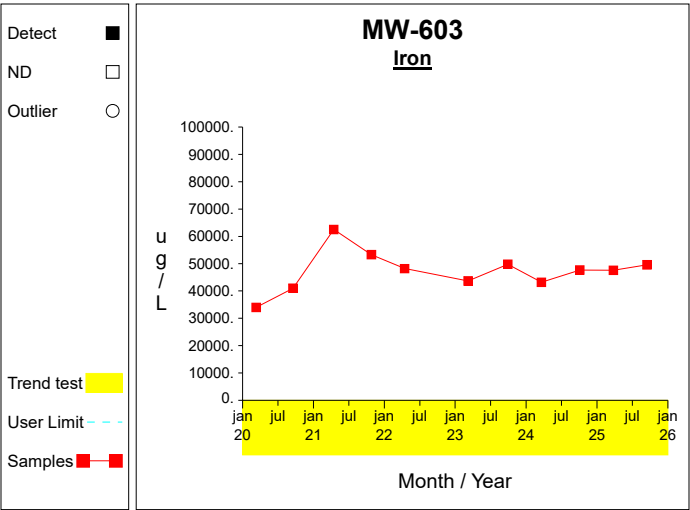
Time Series



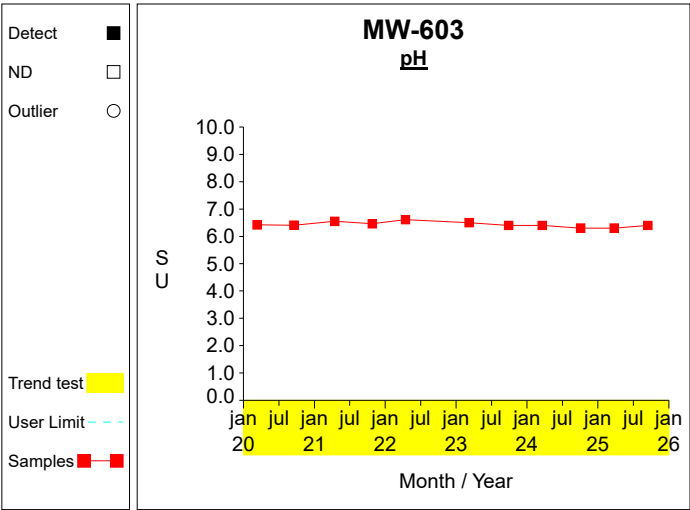
Graph 76



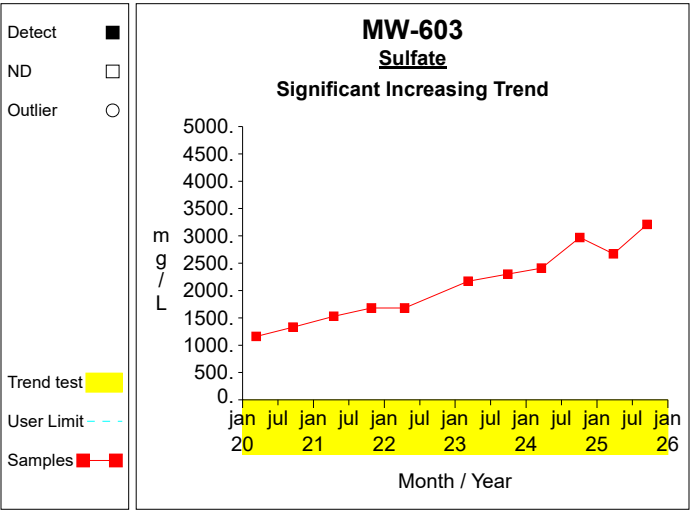
Graph 77



Graph 78

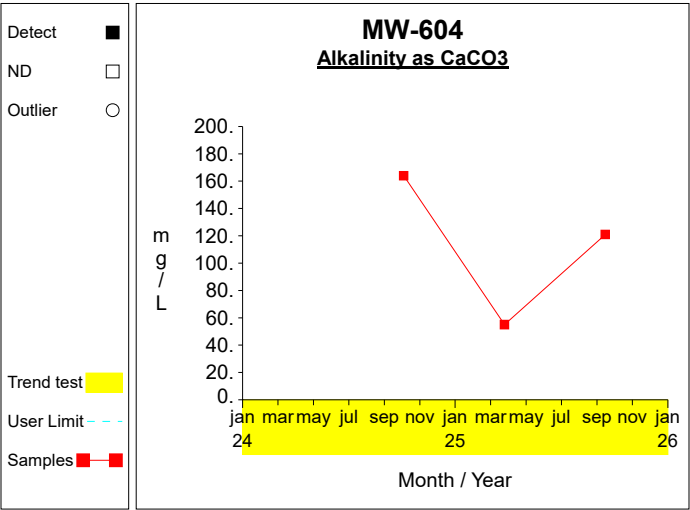


Graph 79

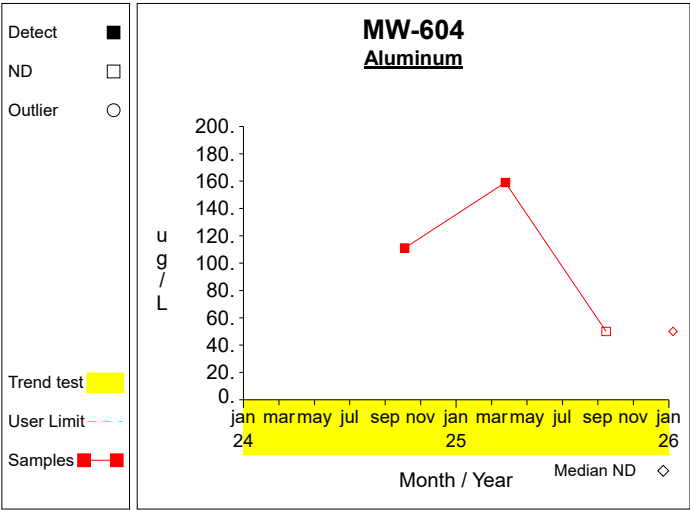


Graph 80

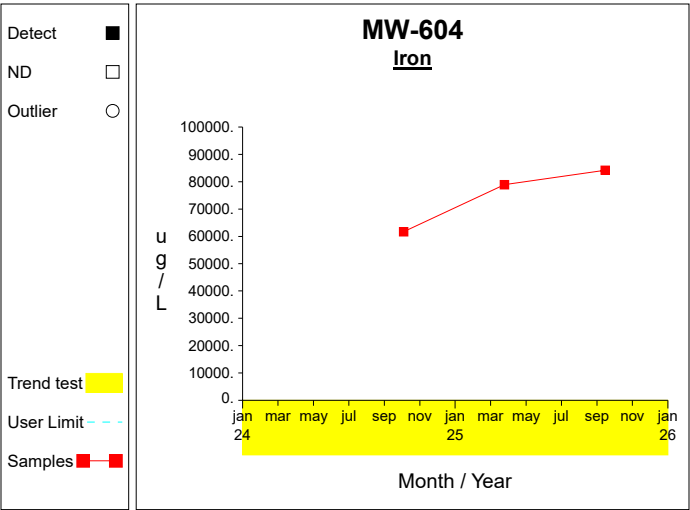
Time Series



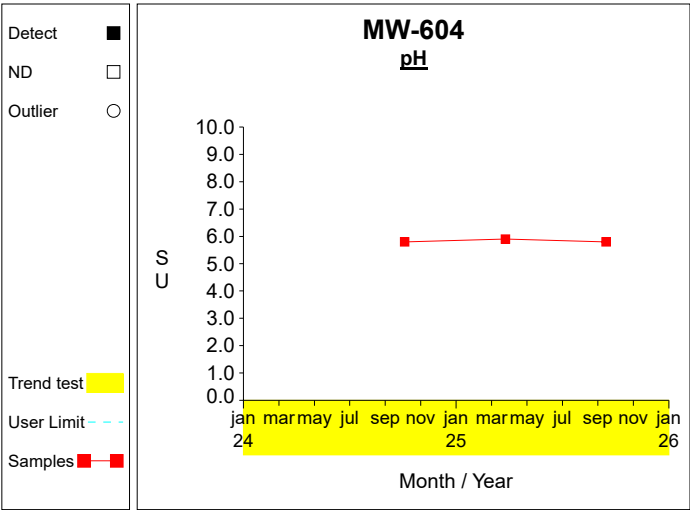
Graph 81



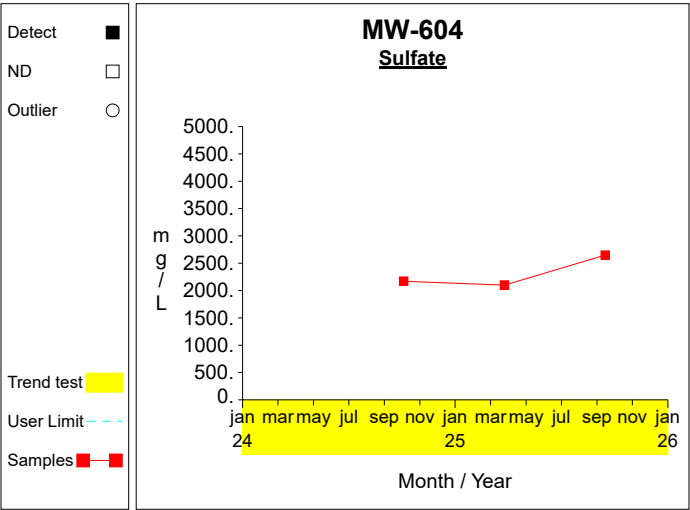
Graph 82



Graph 83

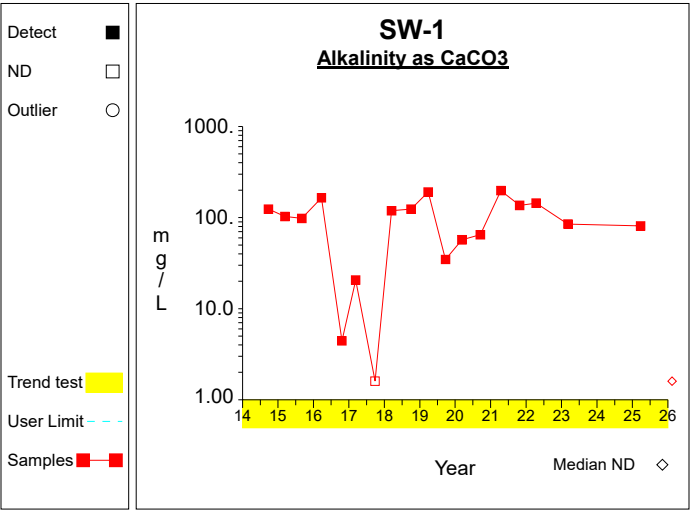


Graph 84

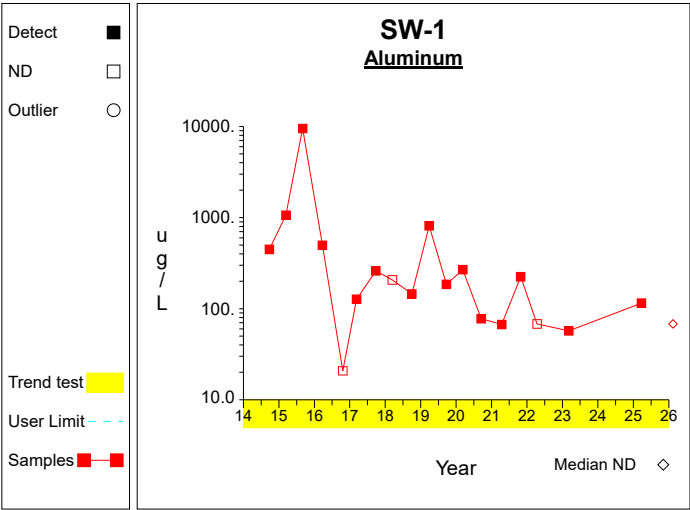


Graph 85

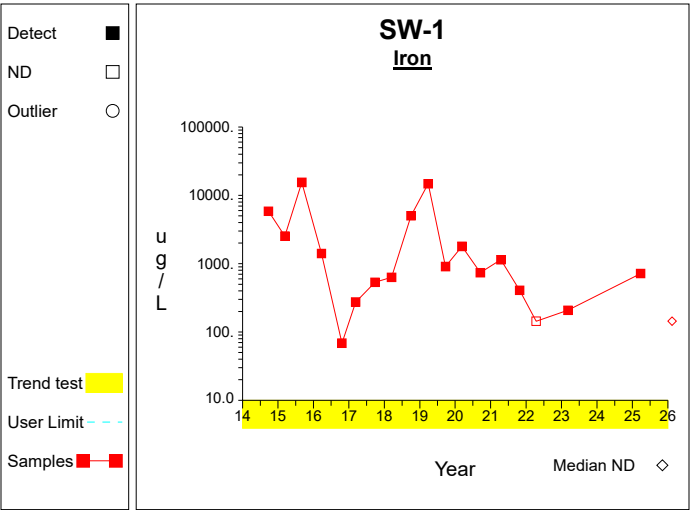
Time Series



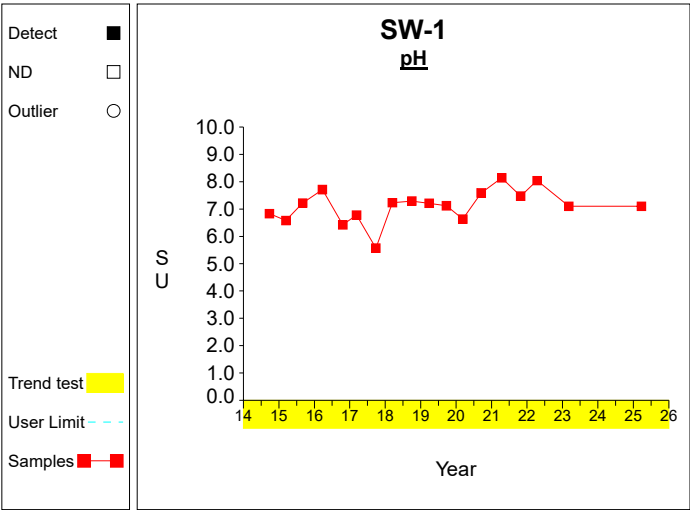
Graph 86



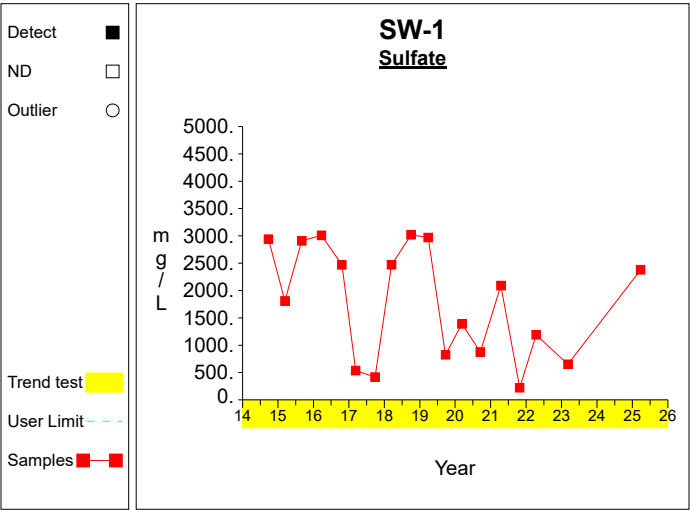
Graph 87



Graph 88



Graph 89



Graph 90

Appendix D

Laboratory Reports for Reporting Period *With Chain of Custody*



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1729

Project Description

6009

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Thursday, April 17, 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

1IC1729

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6009

Project / PO Number: N/A
Received: 03/26/2025
Reported: 04/17/2025

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-307	1IC1729-01	Aqueous	GRAB		03/25/25 08:36	03/26/25 10:03
MW-312	1IC1729-02	Aqueous	GRAB		03/25/25 10:50	03/26/25 10:03
MW-390	1IC1729-03	Aqueous	GRAB		03/25/25 08:14	03/26/25 10:03
MW-300	1IC1729-04	Aqueous	GRAB		03/25/25 11:30	03/26/25 10:03
MW-303	1IC1729-05	Aqueous	GRAB		03/25/25 13:28	03/26/25 10:03
MW-304	1IC1729-06	Aqueous	GRAB		03/25/25 13:46	03/26/25 10:03
MW-313	1IC1729-07	Aqueous	GRAB		03/25/25 12:55	03/26/25 10:03
MW-335	1IC1729-08	Aqueous	GRAB		03/25/25 13:13	03/26/25 10:03
MW-344	1IC1729-09	Aqueous	GRAB		03/25/25 12:00	03/26/25 10:03
MW-380	1IC1729-10	Aqueous	GRAB		03/25/25 11:15	03/26/25 10:03
MW-381	1IC1729-11	Aqueous	GRAB		03/25/25 12:32	03/26/25 10:03
MW-382R	1IC1729-12	Aqueous	GRAB		03/25/25 12:15	03/26/25 10:03
GU-4AR	1IC1729-13	Aqueous	GRAB		03/25/25 09:20	03/26/25 10:03
SW-1	1IC1729-14	Aqueous	GRAB		03/25/25 10:14	03/26/25 10:03
MW-601	1IC1729-15	Aqueous	GRAB		03/25/25 09:40	03/26/25 10:03
MW-602	1IC1729-16	Aqueous	GRAB		03/25/25 09:59	03/26/25 10:03
MW-603	1IC1729-17	Aqueous	GRAB		03/25/25 10:29	03/26/25 10:03
MW-604	1IC1729-18	Aqueous	GRAB		03/25/25 08:59	03/26/25 10:03



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1IC1729

Analytical Testing Parameters

Client Sample ID:	MW-307	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/25/2025 8:36
Lab Sample ID:	1IC1729-01		

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst

SM 2320 B-2011

Alkalinity, as CaCO ₃	<10	10	mg/L	1	M2	04/02/25 1533	04/08/25 1414	BSS

SM 4500-H+ B-2011

pH	5.6	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ

Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst

EPA 9056A

Sulfate	2030	50.0	mg/L	50		04/07/25 0000	04/07/25 2326	MID

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst

EPA 3010A/EPA 6010B

Aluminum, total	0.278	0.050	mg/L	1		03/31/25 1543	04/02/25 2233	JAR

Iron, total	257	0.100	mg/L	1	M6	03/31/25 1543	04/02/25 2233	JAR

Client Sample ID:	MW-312	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/25/2025 10:50
Lab Sample ID:	1IC1729-02		

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst

SM 2320 B-2011

Alkalinity, as CaCO ₃	334	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS

SM 4500-H+ B-2011

pH	6.1	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ

Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst

EPA 9056A

Sulfate	361	10.0	mg/L	10		04/07/25 0000	04/07/25 1817	MID

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst

EPA 3010A/EPA 6010B

Aluminum, total	0.095	0.050	mg/L	1		03/31/25 1543	04/02/25 2311	JAR

Iron, total	7.04	0.100	mg/L	1		03/31/25 1543	04/02/25 2311	JAR

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1IC1729

Client Sample ID: MW-390
Sample Matrix: Aqueous
Lab Sample ID: 1IC1729-03

Collected By: Whipple, Todd
Collection Date: 03/25/2025 8:14

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011								
Alkalinity, as CaCO ₃	99	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS
SM 4500-H+ B-2011								
pH	6.0	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ
Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9056A								
Sulfate	1820	50.0	mg/L	50		04/07/25 0000	04/07/25 2344	MID
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Aluminum, total	0.179	0.050	mg/L	1		03/31/25 1543	04/02/25 2320	JAR
Iron, total	133	0.100	mg/L	1		03/31/25 1543	04/02/25 2320	JAR

Client Sample ID: MW-300
Sample Matrix: Aqueous
Lab Sample ID: 1IC1729-04

Collected By: Whipple, Todd
Collection Date: 03/25/2025 11:30

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011								
Alkalinity, as CaCO ₃	73	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS
SM 4500-H+ B-2011								
pH	5.7	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ
Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9056A								
Sulfate	2450	50.0	mg/L	50		04/07/25 0000	04/08/25 0002	MID
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Aluminum, total	0.569	0.050	mg/L	1		03/31/25 1543	04/02/25 2343	JAR
Iron, total	181	0.100	mg/L	1		03/31/25 1543	04/02/25 2343	JAR



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1IC1729

Client Sample ID:	MW-303	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/25/2025 13:28
Lab Sample ID:	1IC1729-05		

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011								
Alkalinity, as CaCO ₃	554	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS
SM 4500-H+ B-2011								
pH	6.4	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ
Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9056A								
Sulfate	89.9	1.0	mg/L	1		04/07/25 0000	04/07/25 1552	MID
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Aluminum, total	0.099	0.050	mg/L	1		03/31/25 1543	04/02/25 2353	JAR
Iron, total	1.76	0.100	mg/L	1		03/31/25 1543	04/02/25 2353	JAR

Client Sample ID:	MW-304	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/25/2025 13:46
Lab Sample ID:	1IC1729-06		

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011								
Alkalinity, as CaCO ₃	378	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS
SM 4500-H+ B-2011								
pH	6.8	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ
Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9056A								
Sulfate	45.6	10.0	mg/L	10		04/07/25 0000	04/07/25 1911	MID
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Aluminum, total	<0.050	0.050	mg/L	1		03/31/25 1543	04/03/25 0002	JAR
Iron, total	1.41	0.100	mg/L	1		03/31/25 1543	04/03/25 0002	JAR

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Page 5 of 22



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1IC1729

Client Sample ID:	MW-313	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/25/2025 12:55
Lab Sample ID:	1IC1729-07		

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011								
Alkalinity, as CaCO ₃	404	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS
SM 4500-H+ B-2011								
pH	6.7	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ
Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9056A								
Sulfate	1660	50.0	mg/L	50		04/08/25 0000	04/08/25 1727	MID
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Aluminum, total	0.149	0.050	mg/L	1		03/31/25 1543	04/03/25 0008	JAR
Iron, total	9.22	0.100	mg/L	1		03/31/25 1543	04/03/25 0008	JAR

Client Sample ID:	MW-335	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/25/2025 13:13
Lab Sample ID:	1IC1729-08		

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011								
Alkalinity, as CaCO ₃	524	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS
SM 4500-H+ B-2011								
pH	6.2	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ
Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9056A								
Sulfate	2370	50.0	mg/L	50		04/08/25 0000	04/08/25 1745	MID
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Aluminum, total	0.303	0.050	mg/L	1		03/31/25 1543	04/03/25 0018	JAR
Iron, total	13.1	0.100	mg/L	1		03/31/25 1543	04/03/25 0018	JAR

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CERTIFICATE OF ANALYSIS

1IC1729

Client Sample ID: MW-344
Sample Matrix: Aqueous
Lab Sample ID: 1IC1729-09

Collected By: Whipple, Todd
Collection Date: 03/25/2025 12:00

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011								
Alkalinity, as CaCO ₃	200	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS
SM 4500-H+ B-2011								
pH	5.7	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ
Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9056A								
Sulfate	2180	50.0	mg/L	50		04/08/25 0000	04/08/25 1803	MID
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Aluminum, total	0.180	0.050	mg/L	1		03/31/25 1543	04/03/25 0027	JAR
Iron, total	14.9	0.100	mg/L	1		03/31/25 1543	04/03/25 0027	JAR

Client Sample ID: MW-380
Sample Matrix: Aqueous
Lab Sample ID: 1IC1729-10

Collected By: Whipple, Todd
Collection Date: 03/25/2025 11:15

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011								
Alkalinity, as CaCO ₃	12	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS
SM 4500-H+ B-2011								
pH	4.7	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ
Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9056A								
Sulfate	1380	50.0	mg/L	50		04/08/25 0000	04/08/25 1822	MID
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Aluminum, total	1.66	0.050	mg/L	1		03/31/25 1543	04/03/25 0036	JAR
Iron, total	38.6	0.100	mg/L	1		03/31/25 1543	04/03/25 0036	JAR



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1IC1729

Client Sample ID: MW-381
Sample Matrix: Aqueous
Lab Sample ID: 1IC1729-11

Collected By: Whipple, Todd
Collection Date: 03/25/2025 12:32

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011								
Alkalinity, as CaCO ₃	191	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS
SM 4500-H+ B-2011								
pH	6.5	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ
Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9056A								
Sulfate	657	10.0	mg/L	10		04/07/25 0000	04/07/25 2006	MID
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Aluminum, total	0.172	0.050	mg/L	1		03/31/25 1543	04/03/25 0048	JAR
Iron, total	0.105	0.100	mg/L	1		03/31/25 1543	04/03/25 0048	JAR

Client Sample ID: MW-382R
Sample Matrix: Aqueous
Lab Sample ID: 1IC1729-12

Collected By: Whipple, Todd
Collection Date: 03/25/2025 12:15

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011								
Alkalinity, as CaCO ₃	382	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS
SM 4500-H+ B-2011								
pH	6.6	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ
Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9056A								
Sulfate	1030	50.0	mg/L	50		04/08/25 0000	04/08/25 1840	MID
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Aluminum, total	0.132	0.050	mg/L	1		03/31/25 1543	04/03/25 0054	JAR
Iron, total	<0.100	0.100	mg/L	1		03/31/25 1543	04/03/25 0054	JAR



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CERTIFICATE OF ANALYSIS

1IC1729

Client Sample ID: GU-4AR
Sample Matrix: Aqueous
Lab Sample ID: 1IC1729-13

Collected By: Whipple, Todd
Collection Date: 03/25/2025 9:20

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011								
Alkalinity, as CaCO ₃	<10	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS
SM 4500-H+ B-2011								
pH	5.9	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ
Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9056A								
Sulfate	2350	50.0	mg/L	50		04/07/25 0000	04/08/25 0020	MID
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Aluminum, total	0.220	0.050	mg/L	1		03/31/25 1543	04/03/25 0103	JAR
Iron, total	196	0.100	mg/L	1		03/31/25 1543	04/03/25 0103	JAR

Client Sample ID: SW-1
Sample Matrix: Aqueous
Lab Sample ID: 1IC1729-14

Collected By: Whipple, Todd
Collection Date: 03/25/2025 10:14

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011								
Alkalinity, as CaCO ₃	81	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS
SM 4500-H+ B-2011								
pH	7.1	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ
Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9056A								
Sulfate	2380	50.0	mg/L	50		04/08/25 0000	04/08/25 1858	MID
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Aluminum, total	0.115	0.050	mg/L	1		03/31/25 1543	04/03/25 0124	JAR
Iron, total	0.717	0.100	mg/L	1		03/31/25 1543	04/03/25 0124	JAR



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CERTIFICATE OF ANALYSIS

1IC1729

Client Sample ID: MW-601
Sample Matrix: Aqueous
Lab Sample ID: 1IC1729-15

Collected By: Whipple, Todd
Collection Date: 03/25/2025 9:40

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011								
Alkalinity, as CaCO ₃	163	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS
SM 4500-H+ B-2011								
pH	6.6	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ
Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9056A								
Sulfate	771	10.0	mg/L	10		04/07/25 0000	04/07/25 2100	MID
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Aluminum, total	0.106	0.050	mg/L	1		03/31/25 1543	04/03/25 0134	JAR
Iron, total	0.133	0.100	mg/L	1		03/31/25 1543	04/03/25 0134	JAR

Client Sample ID: MW-602
Sample Matrix: Aqueous
Lab Sample ID: 1IC1729-16

Collected By: Whipple, Todd
Collection Date: 03/25/2025 9:59

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011								
Alkalinity, as CaCO ₃	<10	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS
SM 4500-H+ B-2011								
pH	5.5	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ
Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9056A								
Sulfate	1810	50.0	mg/L	50		04/07/25 0000	04/08/25 0056	MID
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Aluminum, total	0.172	0.050	mg/L	1		03/31/25 1543	04/03/25 0140	JAR
Iron, total	63.7	0.100	mg/L	1		03/31/25 1543	04/03/25 0140	JAR

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1IC1729

Client Sample ID: MW-603
Sample Matrix: Aqueous
Lab Sample ID: 1IC1729-17

Collected By: Whipple, Todd
Collection Date: 03/25/2025 10:29

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011								
Alkalinity, as CaCO ₃	378	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS
SM 4500-H+ B-2011								
pH	6.3	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ
Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9056A								
Sulfate	2670	50.0	mg/L	50		04/07/25 0000	04/08/25 0115	MID
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Aluminum, total	0.186	0.050	mg/L	1		03/31/25 1543	04/03/25 0151	JAR
Iron, total	47.6	0.100	mg/L	1		03/31/25 1543	04/03/25 0151	JAR

Client Sample ID: MW-604
Sample Matrix: Aqueous
Lab Sample ID: 1IC1729-18

Collected By: Whipple, Todd
Collection Date: 03/25/2025 8:59

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011								
Alkalinity, as CaCO ₃	55	10	mg/L	1		04/02/25 1533	04/08/25 1414	BSS
SM 4500-H+ B-2011								
pH	5.9	0.5	pH	1	H	03/27/25 0838	03/27/25 1007	KKJ
Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9056A								
Sulfate	2100	50.0	mg/L	50		04/07/25 0000	04/08/25 0038	MID
Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Aluminum, total	0.159	0.050	mg/L	1		03/31/25 1543	04/03/25 0201	JAR
Iron, total	78.9	0.100	mg/L	1		03/31/25 1543	04/03/25 0201	JAR

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1IC1729

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
SM 4500-H+ B-2011	1IC1380	1IC1729-03	MW-390
		1IC1729-16	MW-602
		1IC1729-06	MW-304
		1IC1729-01	MW-307
		1IC1729-02	MW-312
		1IC1729-07	MW-313
		1IC1729-08	MW-335
		1IC1729-09	MW-344
		1IC1729-10	MW-380
		1IC1380-DUP1	1IC1729-01
		1IC1729-12	MW-382R
		1IC1729-05	MW-303
		1IC1729-15	MW-601
		1IC1729-14	SW-1
		1IC1380-SRM3	
		1IC1380-SRM2	
		1IC1380-SRM1	
		1IC1729-18	MW-604
		1IC1729-17	MW-603
		1IC1729-04	MW-300
		1IC1729-13	GU-4AR
		1IC1380-DUP2	1IC1729-11
		1IC1729-11	MW-381
Method	Batch	Laboratory ID	Client / Source ID
EPA 6010B	1IC1540	1IC1540-BLK1	
		1IC1540-BS1	
		1IC1729-01	MW-307
		1IC1540-MS1	1IC1729-01
		1IC1540-MSD1	1IC1729-01
		1IC1540-PS1	1IC1729-01
		1IC1729-02	MW-312
		1IC1729-03	MW-390
		1IC1729-04	MW-300
		1IC1729-05	MW-303
		1IC1729-06	MW-304
		1IC1729-07	MW-313
		1IC1729-08	MW-335
		1IC1729-09	MW-344
		1IC1729-10	MW-380

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EPA 6010B	1IC1540	1IC1729-11	MW-381
		1IC1729-12	MW-382R
		1IC1729-13	GU-4AR
		1IC1729-14	SW-1
		1IC1729-15	MW-601
		1IC1729-16	MW-602
		1IC1729-17	MW-603
		1IC1729-18	MW-604

Method	Batch	Laboratory ID	Client / Source ID
SM 2320 B-2011	1ID0113	1IC1729-08	MW-335
		1IC1729-15	MW-601
		1IC1729-03	MW-390
		1IC1729-18	MW-604
		1IC1729-12	MW-382R
		1IC1729-11	MW-381
		1IC1729-09	MW-344
		1IC1729-17	MW-603
		1IC1729-13	GU-4AR
		1IC1729-10	MW-380
		1IC1729-16	MW-602
		1ID0113-BS1	
		1IC1729-02	MW-312
		1IC1729-01	MW-307
		1IC1729-06	MW-304
		1IC1729-05	MW-303
		1IC1729-04	MW-300
		1ID0113-BLK1	
		1ID0113-MSD1	1IC1729-01
		1ID0113-MS1	1IC1729-01
		1IC1729-14	SW-1
		1IC1729-07	MW-313

Method	Batch	Laboratory ID	Client / Source ID
EPA 9056A	1ID0384	1ID0384-BLK1	
		1ID0384-MS1	1IC1722-02
		1ID0384-MSD1	1IC1722-02
		1IC1729-05	MW-303
		1ID0384-BLK2	
		1ID0384-BS2	
		1ID0384-BSD2	
		1IC1729-02	MW-312
		1ID0384-MS2	1IC1729-02



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1729

EPA 9056A	1ID0384	1ID0384-MSD2	1IC1729-02
		1IC1729-06	MW-304
		1IC1729-11	MW-381
		1IC1729-15	MW-601
		1ID0384-BLK3	
		1ID0384-BS1	
		1ID0384-BSD1	
		1IC1729-01	MW-307
		1IC1729-03	MW-390
		1IC1729-04	MW-300
		1IC1729-13	GU-4AR
		1IC1729-18	MW-604
		1IC1729-16	MW-602
		1IC1729-17	MW-603

Method	Batch	Laboratory ID	Client / Source ID
EPA 9056A	1ID0481	1ID0481-BLK1	
		1ID0481-MRL1	
		1ID0481-BS1	
		1ID0481-BSD1	
		1ID0481-BLK2	
		1ID0481-MS1	1IC1746-01
		1ID0481-MSD1	1IC1746-01
		1IC1729-07	MW-313
		1IC1729-08	MW-335
		1IC1729-09	MW-344
		1IC1729-10	MW-380
		1IC1729-12	MW-382R
		1IC1729-14	SW-1
		1ID0481-BLK3	
		1ID0481-BS2	
		1ID0481-BSD2	
		1ID0481-MS2	1IC1641-02
		1ID0481-MSD2	1IC1641-02

Method	Batch	Laboratory ID	Client / Source ID
SM 2320 B-2011	1ID0750	1ID0750-MSD1	1ID1023-04
		1ID0750-BLK1	
		1ID0750-BS1	
		1ID0750-MS1	1ID1023-04

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1729

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1380 - Wet Chem Preparation - SM 4500-H+ B-2011										
Duplicate (1IC1380-DUP1)	Source: 1IC1729-01		Prepared: 03/27/25 08:38 Analyzed: 03/27/25 10:07							
pH	5.6	0.5	pH		5.6			0.552	10	
Duplicate (1IC1380-DUP2)	Source: 1IC1729-11		Prepared: 03/27/25 08:38 Analyzed: 03/27/25 10:07							
pH	6.5	0.5	pH		6.5			0.308	10	
Reference (1IC1380-SRM1)	Prepared: 03/27/25 08:38 Analyzed: 03/27/25 10:07									
pH	7.0	0.5	pH	7.00		99.7	98.6-101.4			
Reference (1IC1380-SRM2)	Prepared: 03/27/25 08:38 Analyzed: 03/27/25 10:07									
pH	7.0	0.5	pH	7.00		99.7	98.6-101.4			
Reference (1IC1380-SRM3)	Prepared: 03/27/25 08:38 Analyzed: 03/27/25 10:07									
pH	7.0	0.5	pH	7.00		99.8	98.6-101.4			
Batch 1ID0113 - Wet Chem Preparation - SM 2320 B-2011										
Blank (1ID0113-BLK1)	Prepared: 04/02/25 15:33 Analyzed: 04/08/25 14:14									
Alkalinity, as CaCO3	<10	10	mg/L							
LCS (1ID0113-BS1)	Prepared: 04/02/25 15:33 Analyzed: 04/08/25 14:14									
Alkalinity, as CaCO3	50.9	10	mg/L	50.0		102	84-116			
Matrix Spike (1ID0113-MS1)	Source: 1IC1729-01		Prepared: 04/02/25 15:33 Analyzed: 04/08/25 14:14							
Alkalinity, as CaCO3	134	50	mg/L	250	ND	53.6	70-130			M2
Matrix Spike Dup (1ID0113-MSD1)	Source: 1IC1729-01		Prepared: 04/02/25 15:33 Analyzed: 04/08/25 14:14							
Alkalinity, as CaCO3	133	50	mg/L	250	ND	53.3	70-130	0.449	10	M2
Batch 1ID0750 - Wet Chem Preparation - SM 2320 B-2011										
Blank (1ID0750-BLK1)	Prepared: 04/15/25 09:03 Analyzed: 04/15/25 12:31									
Alkalinity, as CaCO3	<10	10	mg/L							
LCS (1ID0750-BS1)	Prepared: 04/15/25 09:03 Analyzed: 04/15/25 12:31									
Alkalinity, as CaCO3	53.2	10	mg/L	50.0		106	84-116			
Matrix Spike (1ID0750-MS1)	Source: 1ID1023-04		Prepared: 04/15/25 09:03 Analyzed: 04/15/25 12:31							
Alkalinity, as CaCO3	211	10	mg/L	50.0	180	61.6	70-130			M2
Matrix Spike Dup (1ID0750-MSD1)	Source: 1ID1023-04		Prepared: 04/15/25 09:03 Analyzed: 04/15/25 12:31							
Alkalinity, as CaCO3	214	10	mg/L	50.0	180	68.6	70-130	1.65	10	M2
Determination of Inorganic Anions	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0384 - General Prep HPLC/IC - EPA 9056A										
Blank (1ID0384-BLK1)	Prepared: 04/07/25 00:00 Analyzed: 04/07/25 10:24									
Sulfate	<1.0	1.0	mg/L							
Blank (1ID0384-BLK2)	Prepared: 04/07/25 00:00 Analyzed: 04/07/25 16:46									



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CERTIFICATE OF ANALYSIS

11C1729

Determination of Inorganic Anions	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0384 - General Prep HPLC/IC - EPA 9056A										
Blank (11D0384-BLK2)			Prepared: 04/07/25 00:00 Analyzed: 04/07/25 16:46							
Sulfate	<1.0	1.0	mg/L							
Blank (11D0384-BLK3)			Prepared: 04/07/25 00:00 Analyzed: 04/07/25 21:55							
Sulfate	<1.0	1.0	mg/L							
LCS (11D0384-BS1)			Prepared: 04/07/25 00:00 Analyzed: 04/07/25 22:49							
Sulfate	33.96	1.0	mg/L	33.9		100	80-120			
LCS (11D0384-BS2)			Prepared: 04/07/25 00:00 Analyzed: 04/07/25 17:41							
Sulfate	34.43	1.0	mg/L	33.9		102	80-120			
LCS Dup (11D0384-BSD1)			Prepared: 04/07/25 00:00 Analyzed: 04/07/25 23:07							
Sulfate	34.52	1.0	mg/L	33.9		102	80-120	1.62	10	
LCS Dup (11D0384-BSD2)			Prepared: 04/07/25 00:00 Analyzed: 04/07/25 17:59							
Sulfate	33.78	1.0	mg/L	33.9		99.7	80-120	1.90	10	
Matrix Spike (11D0384-MS1)		Source: 11C1722-02		Prepared: 04/07/25 00:00 Analyzed: 04/07/25 14:57						
Sulfate	399.2	10.0	mg/L	339	35.63	107	87-113			
Matrix Spike (11D0384-MS2)		Source: 11C1729-02		Prepared: 04/07/25 00:00 Analyzed: 04/07/25 18:35						
Sulfate	722.9	10.0	mg/L	339	360.5	107	87-113			
Matrix Spike Dup (11D0384-MSD1)		Source: 11C1722-02		Prepared: 04/07/25 00:00 Analyzed: 04/07/25 15:15						
Sulfate	387.1	10.0	mg/L	339	35.63	104	87-113	3.09	10	
Matrix Spike Dup (11D0384-MSD2)		Source: 11C1729-02		Prepared: 04/07/25 00:00 Analyzed: 04/07/25 18:53						
Sulfate	721.3	10.0	mg/L	339	360.5	106	87-113	0.226	10	
Batch 11D0481 - General Prep HPLC/IC - EPA 9056A										
Blank (11D0481-BLK1)			Prepared: 04/08/25 00:00 Analyzed: 04/08/25 10:11							
Sulfate	<1.0	1.0	mg/L							
Blank (11D0481-BLK2)			Prepared: 04/08/25 00:00 Analyzed: 04/08/25 14:25							
Sulfate	<1.0	1.0	mg/L							
Blank (11D0481-BLK3)			Prepared: 04/08/25 00:00 Analyzed: 04/08/25 19:34							
Sulfate	<1.0	1.0	mg/L							
LCS (11D0481-BS1)			Prepared: 04/08/25 00:00 Analyzed: 04/08/25 10:48							
Sulfate	34.36	1.0	mg/L	33.9		101	80-120			
LCS (11D0481-BS2)			Prepared: 04/08/25 00:00 Analyzed: 04/08/25 20:29							
Sulfate	35.22	1.0	mg/L	33.9		104	80-120			
LCS Dup (11D0481-BSD1)			Prepared: 04/08/25 00:00 Analyzed: 04/08/25 11:06							
Sulfate	34.63	1.0	mg/L	33.9		102	80-120	0.794	10	
LCS Dup (11D0481-BSD2)			Prepared: 04/08/25 00:00 Analyzed: 04/08/25 20:47							
Sulfate	35.31	1.0	mg/L	33.9		104	80-120	0.241	10	
Matrix Spike (11D0481-MS1)		Source: 11C1746-01		Prepared: 04/08/25 00:00 Analyzed: 04/08/25 15:38						
Sulfate	883.0	10.0	mg/L	339	532.3	103	87-113			
Matrix Spike (11D0481-MS2)		Source: 11C1641-02		Prepared: 04/08/25 00:00 Analyzed: 04/08/25 21:23						

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CERTIFICATE OF ANALYSIS

11C1729

Determination of Inorganic Anions	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0481 - General Prep HPLC/IC - EPA 9056A										
Matrix Spike (11D0481-MS2)	Source: 11C1641-02			Prepared: 04/08/25 00:00 Analyzed: 04/08/25 21:23						
Sulfate	600.1	10.0	mg/L	339	239.0	107	87-113			
Matrix Spike Dup (11D0481-MSD1)	Source: 11C1746-01			Prepared: 04/08/25 00:00 Analyzed: 04/08/25 15:56						
Sulfate	894.5	10.0	mg/L	339	532.3	107	87-113	1.29	10	
Matrix Spike Dup (11D0481-MSD2)	Source: 11C1641-02			Prepared: 04/08/25 00:00 Analyzed: 04/08/25 21:41						
Sulfate	601.0	10.0	mg/L	339	239.0	107	87-113	0.150	10	

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C1540 - EPA 3010A Digestion (Water) - EPA 6010B										
Blank (11C1540-BLK1)	Prepared: 03/31/25 15:43 Analyzed: 04/02/25 22:20									
Aluminum, total	<0.050	0.050	mg/L							
Iron, total	<0.100	0.100	mg/L							
LCS (11C1540-BS1)	Prepared: 03/31/25 15:43 Analyzed: 04/02/25 22:26									
Aluminum, total	2.29	0.050	mg/L	2.20		104	80-120			
Iron, total	2.44	0.100	mg/L	2.20		111	80-120			
Matrix Spike (11C1540-MS1)	Source: 11C1729-01			Prepared: 03/31/25 15:43 Analyzed: 04/02/25 22:43						
Aluminum, total	2.58	0.050	mg/L	2.20	0.278	105	75-125			
Iron, total	268	0.100	mg/L	2.20	257	507	75-125			M6
Matrix Spike Dup (11C1540-MSD1)	Source: 11C1729-01			Prepared: 03/31/25 15:43 Analyzed: 04/02/25 22:52						
Aluminum, total	2.55	0.050	mg/L	2.20	0.278	103	75-125	1.25	20	
Iron, total	261	0.100	mg/L	2.20	257	167	75-125	2.83	20	M6
Post Spike (11C1540-PS1)	Source: 11C1729-01			Prepared: 03/31/25 15:43 Analyzed: 04/02/25 23:02						
Aluminum, total	9.73		mg/L	8.80	0.278	107	80-120			
Iron, total	283		mg/L	8.80	257	292	80-120			M6

Definitions

H:	Sample was analyzed past holding time.
M2:	Matrix spike recovery is below acceptance limits.
M6:	Matrix spike recovery is outside of acceptance limits. The analyte concentration is greater than 4X the spiking level.
RL:	Reporting Limit
RPD:	Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 0.0°C

Cooler Inspection Checklist

Custody Seals	No	Containers Intact	Yes
COC/Labels Agree	Yes	Preservation Confirmed	No
Received On Ice	Yes		



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1729

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
04/17/25 16:32



CHAIN OF CUSTODY RECORD

600 East 17th Street South
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Page 1 of 22
25 10:12:32A
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Page 19 of 22

SITE INFORMATION

Sampler: Todd Whipple

Project: SCISWA - AMD
6009

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Rick Hurt
South Central IA Solid Waste Agency
1736 Highway T17
Tracy, IA 50256

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

Work Order IC1729Temperature 0.0Turn-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-307	Aqueous	GRAB	3/25/25	8:36	2	alk-cac03-2320 fe-t-6010 so4-9056-w	ad-t-6010 ph-4500	01
-001	MW-312	Aqueous	GRAB	3/25/25	10:50	2	alk-cac03-2320 fe-t-6010 so4-9056-w	ad-t-6010 ph-4500	02
-001	MW-390	Aqueous	GRAB	3/25/25	8:14	2	alk-cac03-2320 fe-t-6010 so4-9056-w	ad-t-6010 ph-4500	03
-001	MW-300	Aqueous	GRAB	3/25/25	11:30	2	alk-cac03-2320 fe-t-6010 so4-9056-w	ad-t-6010 ph-4500	04
-001	MW-303	Aqueous	GRAB	3/25/25	13:28	2	alk-cac03-2320 fe-t-6010 so4-9056-w	ad-t-6010 ph-4500	05

Relinquished By Todd WhippleDate/Time 3/26/25Relinquished By SchulzDate/Time 3/26/25 10:03

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Date/Time

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Date/Time

Remarks:

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CHAIN OF CUSTODY RECORD

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HLW Engineering

PM: Heather Murphy

2 of
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Page 20 of 22

SITE INFORMATION

Sampler: TODD WHIPPLEProject: SCISWA - AMD
6009

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Rick Hurt
South Central IA Solid Waste Agency
1736 Highway T17
Tracy, IA 50256

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

Work Order

Temperature

Turn-Cooler: No

- ☐ Custody Seal
☒ Containers Intact
☒ COC/Labels Agree
☒ Preservation Confirmed
☒ Received on Ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses		Lab Sample Number
-001	MW-304	Aqueous	GRAB	3/25/25	13:44	2	alk-cuco3-2320 fe-t-6010 so4-9056-w	al-t-6010 ph-4500	06
-001	MW-313	Aqueous	GRAB	3/25/25	12:55	2	alk-cuco3-2320 fe-t-6010 so4-9056-w	al-t-6010 ph-4500	07
-001	MW-335	Aqueous	GRAB	3/25/25	13:13	2	alk-cuco3-2320 fe-t-6010 so4-9056-w	al-t-6010 ph-4500	08
-001	MW-344	Aqueous	GRAB	3/25/25	12:00	2	alk-cuco3-2320 fe-t-6010 so4-9056-w	al-t-6010 ph-4500	09
-001	MW-360	Aqueous	GRAB	3/25/25	11:15	2	alk-cuco3-2320 fe-t-6010 so4-9056-w	al-t-6010 ph-4500	10

Relinquished By

Date/Time

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Date/Time

Remarks:

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CHAIN OF CUSTODY REC'D

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HLW Engineering

PM: Heather Murphy

Page 3 of

10:12:32A

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Page 21 of 22

SITE INFORMATION

Sampler: Todd WhippleProject: SCISWA - AMD
6009

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

Rick Hurt
South Central IA Solid Waste Agency
1736 Highway T17
Tracy, IA 50256

LAB USE ONLY

Work Order

Temperature

Turn-Cooler: No



Custody Seal
Containers Intact
COC/Labels Agree
Preservation Confirmed
Received on Ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses		Lab Sample Number
-001	MW-381	Aqueous	GRAB	3/25/25	12:32	2	alk-cuo3-2320	al-t-6010	11
							fe-t-6010	ph-4500	
							so4-9056-w		
-001	MW-382R	Aqueous	GRAB	3/25/25	12:15	2	alk-cuo3-2320	al-t-6010	12
							fe-t-6010	ph-4500	
							so4-9056-w		
-001	GU-4AR	Aqueous	GRAB	3/25/25	9:20	2	alk-cuo3-2320	al-t-6010	13
							fe-t-6010	ph-4500	
							so4-9056-w		
-001	SW-1	Aqueous	GRAB	3/25/25	10:14	2	alk-cuo3-2320	al-t-6010	14
							fe-t-6010	ph-4500	
							so4-9056-w		
-001	MW-601	Aqueous	GRAB	3/25/25	9:40	2	alk-cuo3-2320	al-t-6010	15
							fe-t-6010	ph-4500	
							so4-9056-w		

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Date/Time

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Date/Time

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HLW Engineering
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Page 4 of

10:12:32A

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Page 22 of 22

SITE INFORMATION

Sampler: TODD WHIPPLEProject: SCISWA - AMD
6009

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

Rick Hurt
South Central IA Solid Waste Agency
1736 Highway T17
Tracy, IA 50256

LAB USE ONLY

Work Order ILC1729Temperature 0.0Turn-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-602	Aqueous	GRAB	3/25/25	9:59		alk-calc3-2320	ad-t-6010	16
							fe-t-6010	ph-4500	
							so4-9056-w		
-001	MW-603	Aqueous	GRAB	3/25/25	10:29		alk-calc3-2320	ad-t-6010	17
							fe-t-6010	ph-4500	
							so4-9056-w		
-001	MW-604	Aqueous	GRAB	3/25/25	8:59		alk-calc3-2320	ad-t-6010	18
							fe-t-6010	ph-4500	
							so4-9056-w		
-001	MW-605 <u>Dry</u>	Aqueous	GRAB	3/25/25	—	0	alk-calc3-2320	ad-t-6010	19
							fe-t-6010	ph-4500	
							so4-9056-w		
-001	<u>Duplicate</u>	Aqueous	GRAB	3/25/25	—	0	~~alk-calc3-2320~~	~~ad-t-6010~~	—
							~~fe-t-6010~~	~~ph-4500~~	
							~~so4-9056-w~~		

Relinquished By Todd WhippleDate/Time 3/26/25Relinquished By SCISWADate/Time 3/26/25 10:03

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Date/Time

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Remarks:



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1753

Project Description

6009

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Tisdale

Customer Relationship Specialist

Thursday, June 19, 2025

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

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

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CERTIFICATE OF ANALYSIS

1IC1753

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6009

Project / PO Number: N/A
Received: 03/26/2025
Reported: 06/19/2025

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-307	1IC1753-01	Aqueous	GRAB		03/25/25 08:36	03/26/25 10:03
MW-312	1IC1753-02	Aqueous	GRAB		03/25/25 10:50	03/26/25 10:03
MW-390	1IC1753-03	Aqueous	GRAB		03/25/25 08:14	03/26/25 10:03
MW-300	1IC1753-04	Aqueous	GRAB		03/25/25 11:30	03/26/25 10:03
MW-303	1IC1753-05	Aqueous	GRAB		03/25/25 13:28	03/26/25 10:03
MW-304	1IC1753-06	Aqueous	GRAB		03/25/25 13:46	03/26/25 10:03
MW-313	1IC1753-07	Aqueous	GRAB		03/25/25 12:55	03/26/25 10:03
MW-335	1IC1753-08	Aqueous	GRAB		03/25/25 13:13	03/26/25 10:03
MW-344	1IC1753-09	Aqueous	GRAB		03/25/25 12:00	03/26/25 10:03
MW-380	1IC1753-10	Aqueous	GRAB		03/25/25 11:15	03/26/25 10:03
MW-381	1IC1753-11	Aqueous	GRAB		03/25/25 12:32	03/26/25 10:03
MW-382R	1IC1753-12	Aqueous	GRAB		03/25/25 12:15	03/26/25 10:03
GU-4AR	1IC1753-13	Aqueous	GRAB		03/25/25 09:20	03/26/25 10:03
Field Duplicate	1IC1753-14	Aqueous	GRAB		03/25/25 00:00	03/26/25 10:03
MW-601	1IC1753-15	Aqueous	GRAB		03/25/25 09:40	03/26/25 10:03
MW-602	1IC1753-16	Aqueous	GRAB		03/25/25 09:59	03/26/25 10:03
MW-604	1IC1753-17	Aqueous	GRAB		03/25/25 08:59	03/26/25 10:03
MW-603	1IC1753-18	Aqueous	GRAB		03/25/25 10:29	03/26/25 10:03



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CERTIFICATE OF ANALYSIS

1IC1753

Analytical Testing Parameters

Client Sample ID:	MW-307	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/25/2025 8:36
Lab Sample ID:	1IC1753-01		

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID: MW-307
Sample Matrix: Aqueous
Lab Sample ID: 11C1753-01

Collected By: Whipple, Todd
Collection Date: 03/25/2025 8:36

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bromoform		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
1,2,3-Trichloropropane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1639	CSM
Surrogate: Dibromofluoromethane	83.1	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 1639	CSM
Surrogate: Dibromofluoromethane	83.1	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 1639	CSM
Surrogate: 1,2-Dichloroethane-d4	78.5	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 1639	CSM
Surrogate: 1,2-Dichloroethane-d4	78.5	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 1639	CSM
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 1639	CSM
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 1639	CSM
Surrogate: 4-Bromofluorobenzene	92.5	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 1639	CSM
Surrogate: 4-Bromofluorobenzene	92.5	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 1639	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 1942	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 1942	RVV
Barium, total	0.0095	0.0010	mg/L			04/17/25 1555	06/16/25 1942	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 1942	RVV
Cadmium, total	0.0002	0.0002	mg/L			04/17/25 1555	06/16/25 1942	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 1942	RVV
Cobalt, total	0.0374	0.0005	mg/L			04/17/25 1555	06/16/25 1942	RVV
Copper, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 1942	RVV
Lead, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 1942	RVV
Nickel, total	0.0534	0.0050	mg/L			04/17/25 1555	06/16/25 1942	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 1942	RVV
Silver, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 1942	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 1942	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 1942	RVV
Zinc, total	0.238	0.0050	mg/L			04/17/25 1555	06/16/25 1942	RVV

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CERTIFICATE OF ANALYSIS

1IC1753

Client Sample ID: MW-312
Sample Matrix: Aqueous
Lab Sample ID: 1IC1753-02

Collected By: Whipple, Todd
Collection Date: 03/25/2025 10:50

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Bromoform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID: MW-312
Sample Matrix: Aqueous
Lab Sample ID: 11C1753-02

Collected By: Whipple, Todd
Collection Date: 03/25/2025 10:50

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1702	CSM
Surrogate: Dibromofluoromethane	89.0	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 1702	CSM
Surrogate: Dibromofluoromethane	89.0	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 1702	CSM
Surrogate: 1,2-Dichloroethane-d4	84.5	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 1702	CSM
Surrogate: 1,2-Dichloroethane-d4	84.5	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 1702	CSM
Surrogate: Toluene-d8	105	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 1702	CSM
Surrogate: Toluene-d8	105	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 1702	CSM
Surrogate: 4-Bromofluorobenzene	90.5	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 1702	CSM
Surrogate: 4-Bromofluorobenzene	90.5	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 1702	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 1951	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 1951	RVV
Barium, total	0.0256	0.0010	mg/L			04/17/25 1555	06/16/25 1951	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 1951	RVV
Cadmium, total		<0.0002	0.0002	mg/L		04/17/25 1555	06/16/25 1951	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 1951	RVV
Cobalt, total	0.0367	0.0005	mg/L			04/17/25 1555	06/16/25 1951	RVV
Copper, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 1951	RVV
Lead, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 1951	RVV
Nickel, total	0.0530	0.0050	mg/L			04/17/25 1555	06/16/25 1951	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 1951	RVV
Silver, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 1951	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 1951	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 1951	RVV
Zinc, total	0.0089	0.0050	mg/L			04/17/25 1555	06/16/25 1951	RVV

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CERTIFICATE OF ANALYSIS

1IC1753

Client Sample ID: MW-390
Sample Matrix: Aqueous
Lab Sample ID: 1IC1753-03

Collected By: Whipple, Todd
Collection Date: 03/25/2025 8:14

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Bromoform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID: MW-390
Sample Matrix: Aqueous
Lab Sample ID: 11C1753-03

Collected By: Whipple, Todd
Collection Date: 03/25/2025 8:14

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1724	CSM
Surrogate: Dibromofluoromethane	86.7	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 1724	CSM
Surrogate: Dibromofluoromethane	86.7	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 1724	CSM
Surrogate: 1,2-Dichloroethane-d4	83.7	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 1724	CSM
Surrogate: 1,2-Dichloroethane-d4	83.7	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 1724	CSM
Surrogate: Toluene-d8	105	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 1724	CSM
Surrogate: Toluene-d8	105	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 1724	CSM
Surrogate: 4-Bromofluorobenzene	91.5	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 1724	CSM
Surrogate: 4-Bromofluorobenzene	91.5	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 1724	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 1954	RVV
Arsenic, total	0.0175	0.0020	mg/L			04/17/25 1555	06/16/25 1954	RVV
Barium, total	0.0165	0.0010	mg/L			04/17/25 1555	06/16/25 1954	RVV
Beryllium, total	<0.0005	0.0005	mg/L			04/17/25 1555	06/16/25 1954	RVV
Cadmium, total	<0.0002	0.0002	mg/L			04/17/25 1555	06/16/25 1954	RVV
Chromium, total	0.0011	0.0010	mg/L			04/17/25 1555	06/16/25 1954	RVV
Cobalt, total	0.106	0.0005	mg/L			04/17/25 1555	06/16/25 1954	RVV
Copper, total	<0.0050	0.0050	mg/L			04/17/25 1555	06/16/25 1954	RVV
Lead, total	<0.0010	0.0010	mg/L			04/17/25 1555	06/16/25 1954	RVV
Nickel, total	0.0428	0.0050	mg/L			04/17/25 1555	06/16/25 1954	RVV
Selenium, total	<0.0020	0.0020	mg/L			04/17/25 1555	06/16/25 1954	RVV
Silver, total	<0.0050	0.0050	mg/L			04/17/25 1555	06/16/25 1954	RVV
Thallium, total	<0.0005	0.0005	mg/L			04/17/25 1555	06/16/25 1954	RVV
Vanadium, total	<0.0020	0.0020	mg/L			04/17/25 1555	06/16/25 1954	RVV
Zinc, total	0.127	0.0050	mg/L			04/17/25 1555	06/16/25 1954	RVV

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CERTIFICATE OF ANALYSIS

1IC1753

Client Sample ID: MW-300
Sample Matrix: Aqueous
Lab Sample ID: 1IC1753-04

Collected By: Whipple, Todd
Collection Date: 03/25/2025 11:30

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Bromoform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID: MW-300
Sample Matrix: Aqueous
Lab Sample ID: 11C1753-04

Collected By: Whipple, Todd
Collection Date: 03/25/2025 11:30

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1746	CSM
Surrogate: Dibromofluoromethane	87.5	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 1746	CSM
Surrogate: Dibromofluoromethane	87.5	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 1746	CSM
Surrogate: 1,2-Dichloroethane-d4	82.6	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 1746	CSM
Surrogate: 1,2-Dichloroethane-d4	82.6	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 1746	CSM
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 1746	CSM
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 1746	CSM
Surrogate: 4-Bromofluorobenzene	89.7	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 1746	CSM
Surrogate: 4-Bromofluorobenzene	89.7	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 1746	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 1956	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 1956	RVV
Barium, total	0.0124		0.0010	mg/L		04/17/25 1555	06/16/25 1956	RVV
Beryllium, total	0.0011		0.0005	mg/L		04/17/25 1555	06/16/25 1956	RVV
Cadmium, total	0.0005		0.0002	mg/L		04/17/25 1555	06/16/25 1956	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 1956	RVV
Cobalt, total	0.462		0.0500	mg/L		04/17/25 1555	06/17/25 1241	RVV
Copper, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 1956	RVV
Lead, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 1956	RVV
Nickel, total	0.540		0.500	mg/L		04/17/25 1555	06/17/25 1241	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 1956	RVV
Silver, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 1956	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 1956	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 1956	RVV
Zinc, total	0.712		0.500	mg/L		04/17/25 1555	06/17/25 1241	RVV

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Page 10 of 51



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CERTIFICATE OF ANALYSIS

1IC1753

Client Sample ID: MW-303
Sample Matrix: Aqueous
Lab Sample ID: 1IC1753-05

Collected By: Whipple, Todd
Collection Date: 03/25/2025 13:28

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Bromoform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID: MW-303
Sample Matrix: Aqueous
Lab Sample ID: 11C1753-05

Collected By: Whipple, Todd
Collection Date: 03/25/2025 13:28

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1809	CSM
Surrogate: Dibromofluoromethane	84.4	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 1809	CSM
Surrogate: Dibromofluoromethane	84.4	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 1809	CSM
Surrogate: 1,2-Dichloroethane-d4	81.4	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 1809	CSM
Surrogate: 1,2-Dichloroethane-d4	81.4	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 1809	CSM
Surrogate: Toluene-d8	103	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 1809	CSM
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 1809	CSM
Surrogate: 4-Bromofluorobenzene	90.4	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 1809	CSM
Surrogate: 4-Bromofluorobenzene	90.4	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 1809	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 1958	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 1958	RVV
Barium, total	0.0729	0.0010	mg/L			04/17/25 1555	06/16/25 1958	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 1958	RVV
Cadmium, total		<0.0002	0.0002	mg/L		04/17/25 1555	06/16/25 1958	RVV
Chromium, total	0.0012	0.0010	mg/L			04/17/25 1555	06/16/25 1958	RVV
Cobalt, total	0.0106	0.0005	mg/L			04/17/25 1555	06/16/25 1958	RVV
Copper, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 1958	RVV
Lead, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 1958	RVV
Nickel, total	0.0182	0.0050	mg/L			04/17/25 1555	06/16/25 1958	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 1958	RVV
Silver, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 1958	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 1958	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 1958	RVV
Zinc, total	0.0058	0.0050	mg/L			04/17/25 1555	06/16/25 1958	RVV

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Page 12 of 51



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CERTIFICATE OF ANALYSIS

1IC1753

Client Sample ID: MW-304
Sample Matrix: Aqueous
Lab Sample ID: 1IC1753-06

Collected By: Whipple, Todd
Collection Date: 03/25/2025 13:46

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Bromoform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID: MW-304
Sample Matrix: Aqueous
Lab Sample ID: 11C1753-06

Collected By: Whipple, Todd
Collection Date: 03/25/2025 13:46

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1831	CSM
Surrogate: Dibromofluoromethane	81.0	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 1831	CSM
Surrogate: Dibromofluoromethane	81.0	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 1831	CSM
Surrogate: 1,2-Dichloroethane-d4	76.7	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 1831	CSM
Surrogate: 1,2-Dichloroethane-d4	76.7	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 1831	CSM
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 1831	CSM
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 1831	CSM
Surrogate: 4-Bromofluorobenzene	91.1	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 1831	CSM
Surrogate: 4-Bromofluorobenzene	91.1	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 1831	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2005	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2005	RVV
Barium, total	0.0829		0.0010	mg/L		04/17/25 1555	06/16/25 2005	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2005	RVV
Cadmium, total		<0.0002	0.0002	mg/L		04/17/25 1555	06/16/25 2005	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2005	RVV
Cobalt, total	0.0032		0.0005	mg/L		04/17/25 1555	06/16/25 2005	RVV
Copper, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2005	RVV
Lead, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2005	RVV
Nickel, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2005	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2005	RVV
Silver, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2005	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2005	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2005	RVV
Zinc, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2005	RVV

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CERTIFICATE OF ANALYSIS

1IC1753

Client Sample ID: MW-313
Sample Matrix: Aqueous
Lab Sample ID: 1IC1753-07

Collected By: Whipple, Todd
Collection Date: 03/25/2025 12:55

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Bromoform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID: MW-313
Sample Matrix: Aqueous
Lab Sample ID: 11C1753-07

Collected By: Whipple, Todd
Collection Date: 03/25/2025 12:55

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1853	CSM
Surrogate: Dibromofluoromethane	80.0	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 1853	CSM
Surrogate: Dibromofluoromethane	80.0	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 1853	CSM
Surrogate: 1,2-Dichloroethane-d4	78.3	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 1853	CSM
Surrogate: 1,2-Dichloroethane-d4	78.3	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 1853	CSM
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 1853	CSM
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 1853	CSM
Surrogate: 4-Bromofluorobenzene	90.2	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 1853	CSM
Surrogate: 4-Bromofluorobenzene	90.2	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 1853	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2008	RVV
Arsenic, total	0.0046		0.0020	mg/L		04/17/25 1555	06/16/25 2008	RVV
Barium, total	0.0218		0.0010	mg/L		04/17/25 1555	06/16/25 2008	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2008	RVV
Cadmium, total	0.0002		0.0002	mg/L		04/17/25 1555	06/16/25 2008	RVV
Chromium, total	0.0013		0.0010	mg/L		04/17/25 1555	06/16/25 2008	RVV
Cobalt, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2008	RVV
Copper, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2008	RVV
Lead, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2008	RVV
Nickel, total	0.0066		0.0050	mg/L		04/17/25 1555	06/16/25 2008	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2008	RVV
Silver, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2008	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2008	RVV
Vanadium, total	0.0048		0.0020	mg/L		04/17/25 1555	06/16/25 2008	RVV
Zinc, total	0.0078		0.0050	mg/L		04/17/25 1555	06/16/25 2008	RVV

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CERTIFICATE OF ANALYSIS

1IC1753

Client Sample ID: MW-335
Sample Matrix: Aqueous
Lab Sample ID: 1IC1753-08

Collected By: Whipple, Todd
Collection Date: 03/25/2025 13:13

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Bromoform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID: MW-335
Sample Matrix: Aqueous
Lab Sample ID: 11C1753-08

Collected By: Whipple, Todd
Collection Date: 03/25/2025 13:13

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1916	CSM
Surrogate: Dibromofluoromethane	78.4	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 1916	CSM
Surrogate: Dibromofluoromethane	78.4	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 1916	CSM
Surrogate: 1,2-Dichloroethane-d4	75.3	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 1916	CSM
Surrogate: 1,2-Dichloroethane-d4	75.3	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 1916	CSM
Surrogate: Toluene-d8	108	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 1916	CSM
Surrogate: Toluene-d8	108	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 1916	CSM
Surrogate: 4-Bromofluorobenzene	89.1	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 1916	CSM
Surrogate: 4-Bromofluorobenzene	89.1	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 1916	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2010	RVV
Arsenic, total	0.0035		0.0020	mg/L		04/17/25 1555	06/16/25 2010	RVV
Barium, total	0.0143		0.0010	mg/L		04/17/25 1555	06/16/25 2010	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2010	RVV
Cadmium, total		<0.0002	0.0002	mg/L		04/17/25 1555	06/16/25 2010	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2010	RVV
Cobalt, total	0.0347		0.0005	mg/L		04/17/25 1555	06/16/25 2010	RVV
Copper, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2010	RVV
Lead, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2010	RVV
Nickel, total	0.0444		0.0050	mg/L		04/17/25 1555	06/16/25 2010	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2010	RVV
Silver, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2010	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2010	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2010	RVV
Zinc, total	0.0282		0.0050	mg/L		04/17/25 1555	06/16/25 2010	RVV

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CERTIFICATE OF ANALYSIS

1IC1753

Client Sample ID: MW-344
Sample Matrix: Aqueous
Lab Sample ID: 1IC1753-09

Collected By: Whipple, Todd
Collection Date: 03/25/2025 12:00

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
cis-1,2-Dichloroethylene	1.6	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Bromoform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID: MW-344
Sample Matrix: Aqueous
Lab Sample ID: 11C1753-09

Collected By: Whipple, Todd
Collection Date: 03/25/2025 12:00

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 1938	CSM
Surrogate: Dibromofluoromethane	80.7	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 1938	CSM
Surrogate: Dibromofluoromethane	80.7	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 1938	CSM
Surrogate: 1,2-Dichloroethane-d4	76.5	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 1938	CSM
Surrogate: 1,2-Dichloroethane-d4	76.5	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 1938	CSM
Surrogate: Toluene-d8	105	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 1938	CSM
Surrogate: Toluene-d8	105	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 1938	CSM
Surrogate: 4-Bromofluorobenzene	90.5	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 1938	CSM
Surrogate: 4-Bromofluorobenzene	90.5	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 1938	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2013	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2013	RVV
Barium, total	0.0126	0.0010	mg/L			04/17/25 1555	06/16/25 2013	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2013	RVV
Cadmium, total		<0.0002	0.0002	mg/L		04/17/25 1555	06/16/25 2013	RVV
Chromium, total	0.0011	0.0010	mg/L			04/17/25 1555	06/16/25 2013	RVV
Cobalt, total	0.220	0.0005	mg/L			04/17/25 1555	06/16/25 2013	RVV
Copper, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2013	RVV
Lead, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2013	RVV
Nickel, total	0.147	0.0050	mg/L			04/17/25 1555	06/16/25 2013	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2013	RVV
Silver, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2013	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2013	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2013	RVV
Zinc, total	0.0193	0.0050	mg/L			04/17/25 1555	06/16/25 2013	RVV

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CERTIFICATE OF ANALYSIS

1IC1753

Client Sample ID: MW-380
Sample Matrix: Aqueous
Lab Sample ID: 1IC1753-10

Collected By: Whipple, Todd
Collection Date: 03/25/2025 11:15

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Bromoform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID: MW-380
Sample Matrix: Aqueous
Lab Sample ID: 11C1753-10

Collected By: Whipple, Todd
Collection Date: 03/25/2025 11:15

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2001	CSM
Surrogate: Dibromofluoromethane	83.7	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 2001	CSM
Surrogate: Dibromofluoromethane	83.7	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 2001	CSM
Surrogate: 1,2-Dichloroethane-d4	76.8	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 2001	CSM
Surrogate: 1,2-Dichloroethane-d4	76.8	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 2001	CSM
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 2001	CSM
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 2001	CSM
Surrogate: 4-Bromofluorobenzene	91.1	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 2001	CSM
Surrogate: 4-Bromofluorobenzene	91.1	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 2001	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2015	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2015	RVV
Barium, total	0.0091		0.0010	mg/L		04/17/25 1555	06/16/25 2015	RVV
Beryllium, total	0.0006		0.0005	mg/L		04/17/25 1555	06/16/25 2015	RVV
Cadmium, total	0.0056		0.0002	mg/L		04/17/25 1555	06/16/25 2015	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2015	RVV
Cobalt, total	0.115		0.0005	mg/L		04/17/25 1555	06/16/25 2015	RVV
Copper, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2015	RVV
Lead, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2015	RVV
Nickel, total	0.237		0.0050	mg/L		04/17/25 1555	06/16/25 2015	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2015	RVV
Silver, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2015	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2015	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2015	RVV
Zinc, total	1.57		0.500	mg/L		04/17/25 1555	06/17/25 1244	RVV

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CERTIFICATE OF ANALYSIS

1IC1753

Client Sample ID: MW-381
Sample Matrix: Aqueous
Lab Sample ID: 1IC1753-11

Collected By: Whipple, Todd
Collection Date: 03/25/2025 12:32

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Bromoform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID: MW-381
Sample Matrix: Aqueous
Lab Sample ID: 11C1753-11

Collected By: Whipple, Todd
Collection Date: 03/25/2025 12:32

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2023	CSM
Surrogate: Dibromofluoromethane	79.4	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 2023	CSM
Surrogate: Dibromofluoromethane	79.4	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 2023	CSM
Surrogate: 1,2-Dichloroethane-d4	75.9	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 2023	CSM
Surrogate: 1,2-Dichloroethane-d4	75.9	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 2023	CSM
Surrogate: Toluene-d8	107	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 2023	CSM
Surrogate: Toluene-d8	107	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 2023	CSM
Surrogate: 4-Bromofluorobenzene	91.4	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 2023	CSM
Surrogate: 4-Bromofluorobenzene	91.4	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 2023	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2017	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2017	RVV
Barium, total	0.0084	0.0010		mg/L		04/17/25 1555	06/16/25 2017	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2017	RVV
Cadmium, total		<0.0002	0.0002	mg/L		04/17/25 1555	06/16/25 2017	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2017	RVV
Cobalt, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2017	RVV
Copper, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2017	RVV
Lead, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2017	RVV
Nickel, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2017	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2017	RVV
Silver, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2017	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2017	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2017	RVV
Zinc, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2017	RVV

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CERTIFICATE OF ANALYSIS

1IC1753

Client Sample ID: MW-382R
Sample Matrix: Aqueous
Lab Sample ID: 1IC1753-12

Collected By: Whipple, Todd
Collection Date: 03/25/2025 12:15

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Bromoform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID: MW-382R
Sample Matrix: Aqueous
Lab Sample ID: 11C1753-12

Collected By: Whipple, Todd
Collection Date: 03/25/2025 12:15

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2045	CSM
Surrogate: Dibromofluoromethane	78.8	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 2045	CSM
Surrogate: Dibromofluoromethane	78.8	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 2045	CSM
Surrogate: 1,2-Dichloroethane-d4	73.9	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 2045	CSM
Surrogate: 1,2-Dichloroethane-d4	73.9	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 2045	CSM
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 2045	CSM
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 2045	CSM
Surrogate: 4-Bromofluorobenzene	89.0	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 2045	CSM
Surrogate: 4-Bromofluorobenzene	89.0	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 2045	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2020	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2020	RVV
Barium, total	0.0234	0.0010	mg/L			04/17/25 1555	06/16/25 2020	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2020	RVV
Cadmium, total		<0.0002	0.0002	mg/L		04/17/25 1555	06/16/25 2020	RVV
Chromium, total	0.0010	0.0010	mg/L			04/17/25 1555	06/16/25 2020	RVV
Cobalt, total	0.0009	0.0005	mg/L			04/17/25 1555	06/16/25 2020	RVV
Copper, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2020	RVV
Lead, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2020	RVV
Nickel, total	0.0054	0.0050	mg/L			04/17/25 1555	06/16/25 2020	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2020	RVV
Silver, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2020	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2020	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2020	RVV
Zinc, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2020	RVV

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CERTIFICATE OF ANALYSIS

1IC1753

Client Sample ID: GU-4AR
Sample Matrix: Aqueous
Lab Sample ID: 1IC1753-13

Collected By: Whipple, Todd
Collection Date: 03/25/2025 9:20

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Bromoform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID:	GU-4AR	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/25/2025 9:20
Lab Sample ID:	11C1753-13		

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2108	CSM
Surrogate: Dibromofluoromethane	89.7	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 2108	CSM
Surrogate: Dibromofluoromethane	89.7	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 2108	CSM
Surrogate: 1,2-Dichloroethane-d4	87.4	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 2108	CSM
Surrogate: 1,2-Dichloroethane-d4	87.4	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 2108	CSM
Surrogate: Toluene-d8	98.7	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 2108	CSM
Surrogate: Toluene-d8	98.7	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 2108	CSM
Surrogate: 4-Bromofluorobenzene	88.8	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 2108	CSM
Surrogate: 4-Bromofluorobenzene	88.8	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 2108	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2022	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2022	RVV
Barium, total	0.0114	0.0010	mg/L			04/17/25 1555	06/16/25 2022	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2022	RVV
Cadmium, total		<0.0002	0.0002	mg/L		04/17/25 1555	06/16/25 2022	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2022	RVV
Cobalt, total	0.0533	0.0005	mg/L			04/17/25 1555	06/16/25 2022	RVV
Copper, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2022	RVV
Lead, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2022	RVV
Nickel, total	0.0810	0.0050	mg/L			04/17/25 1555	06/16/25 2022	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2022	RVV
Silver, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2022	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2022	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2022	RVV
Zinc, total	0.218	0.0050	mg/L			04/17/25 1555	06/16/25 2022	RVV

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID:	Field Duplicate	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/25/2025
Lab Sample ID:	11C1753-14		

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2025	RVV
Arsenic, total	<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2025	RVV
Barium, total	0.0215	0.0010	mg/L		04/17/25 1555	06/16/25 2025	RVV
Beryllium, total	<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2025	RVV
Cadmium, total	<0.0002	0.0002	mg/L		04/17/25 1555	06/16/25 2025	RVV
Chromium, total	0.0013	0.0010	mg/L		04/17/25 1555	06/16/25 2025	RVV
Cobalt, total	0.0906	0.0005	mg/L		04/17/25 1555	06/16/25 2025	RVV
Copper, total	<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2025	RVV
Lead, total	<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2025	RVV
Nickel, total	0.103	0.0050	mg/L		04/17/25 1555	06/16/25 2025	RVV
Selenium, total	<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2025	RVV
Silver, total	<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2025	RVV
Thallium, total	<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2025	RVV
Vanadium, total	<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2025	RVV
Zinc, total	0.0163	0.0050	mg/L		04/17/25 1555	06/16/25 2025	RVV

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CERTIFICATE OF ANALYSIS

1IC1753

Client Sample ID: MW-601
Sample Matrix: Aqueous
Lab Sample ID: 1IC1753-15

Collected By: Whipple, Todd
Collection Date: 03/25/2025 9:40

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Bromoform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID: MW-601
Sample Matrix: Aqueous
Lab Sample ID: 11C1753-15

Collected By: Whipple, Todd
Collection Date: 03/25/2025 9:40

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2130	CSM
Surrogate: Dibromofluoromethane	78.0	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 2130	CSM
Surrogate: Dibromofluoromethane	78.0	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 2130	CSM
Surrogate: 1,2-Dichloroethane-d4	71.8	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 2130	CSM
Surrogate: 1,2-Dichloroethane-d4	71.8	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 2130	CSM
Surrogate: Toluene-d8	107	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 2130	CSM
Surrogate: Toluene-d8	107	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 2130	CSM
Surrogate: 4-Bromofluorobenzene	92.3	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 2130	CSM
Surrogate: 4-Bromofluorobenzene	92.3	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 2130	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2027	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2027	RVV
Barium, total	0.0206	0.0010	mg/L			04/17/25 1555	06/16/25 2027	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2027	RVV
Cadmium, total		<0.0002	0.0002	mg/L		04/17/25 1555	06/16/25 2027	RVV
Chromium, total	0.0033	0.0010	mg/L			04/17/25 1555	06/16/25 2027	RVV
Cobalt, total	0.0011	0.0005	mg/L			04/17/25 1555	06/16/25 2027	RVV
Copper, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2027	RVV
Lead, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2027	RVV
Nickel, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2027	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2027	RVV
Silver, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2027	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2027	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2027	RVV
Zinc, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2027	RVV

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CERTIFICATE OF ANALYSIS

1IC1753

Client Sample ID: MW-602
Sample Matrix: Aqueous
Lab Sample ID: 1IC1753-16

Collected By: Whipple, Todd
Collection Date: 03/25/2025 9:59

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Bromoform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID: MW-602
Sample Matrix: Aqueous
Lab Sample ID: 11C1753-16

Collected By: Whipple, Todd
Collection Date: 03/25/2025 9:59

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2152	CSM
Surrogate: Dibromofluoromethane	75.3	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 2152	CSM
Surrogate: Dibromofluoromethane	75.3	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 2152	CSM
Surrogate: 1,2-Dichloroethane-d4	73.6	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 2152	CSM
Surrogate: 1,2-Dichloroethane-d4	73.6	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 2152	CSM
Surrogate: Toluene-d8	107	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 2152	CSM
Surrogate: Toluene-d8	107	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 2152	CSM
Surrogate: 4-Bromofluorobenzene	88.6	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 2152	CSM
Surrogate: 4-Bromofluorobenzene	88.6	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 2152	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2034	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2034	RVV
Barium, total	0.0097	0.0010	mg/L			04/17/25 1555	06/16/25 2034	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2034	RVV
Cadmium, total	0.0002	0.0002	mg/L			04/17/25 1555	06/16/25 2034	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2034	RVV
Cobalt, total	0.185	0.0005	mg/L			04/17/25 1555	06/16/25 2034	RVV
Copper, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2034	RVV
Lead, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2034	RVV
Nickel, total	0.254	0.0050	mg/L			04/17/25 1555	06/16/25 2034	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2034	RVV
Silver, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2034	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2034	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2034	RVV
Zinc, total	0.114	0.0050	mg/L			04/17/25 1555	06/16/25 2034	RVV

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CERTIFICATE OF ANALYSIS

1IC1753

Client Sample ID: MW-604
Sample Matrix: Aqueous
Lab Sample ID: 1IC1753-17

Collected By: Whipple, Todd
Collection Date: 03/25/2025 8:59

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Bromoform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID: MW-604
Sample Matrix: Aqueous
Lab Sample ID: 11C1753-17

Collected By: Whipple, Todd
Collection Date: 03/25/2025 8:59

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2215	CSM
Surrogate: Dibromofluoromethane	75.8	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 2215	CSM
Surrogate: Dibromofluoromethane	75.8	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 2215	CSM
Surrogate: 1,2-Dichloroethane-d4	72.5	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 2215	CSM
Surrogate: 1,2-Dichloroethane-d4	72.5	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 2215	CSM
Surrogate: Toluene-d8	108	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 2215	CSM
Surrogate: Toluene-d8	108	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 2215	CSM
Surrogate: 4-Bromofluorobenzene	87.4	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 2215	CSM
Surrogate: 4-Bromofluorobenzene	87.4	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 2215	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2036	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2036	RVV
Barium, total	0.0199	0.0010	mg/L			04/17/25 1555	06/16/25 2036	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2036	RVV
Cadmium, total		<0.0002	0.0002	mg/L		04/17/25 1555	06/16/25 2036	RVV
Chromium, total	0.0011	0.0010	mg/L			04/17/25 1555	06/16/25 2036	RVV
Cobalt, total	0.0890	0.0005	mg/L			04/17/25 1555	06/16/25 2036	RVV
Copper, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2036	RVV
Lead, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2036	RVV
Nickel, total	0.104	0.0050	mg/L			04/17/25 1555	06/16/25 2036	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2036	RVV
Silver, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2036	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2036	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2036	RVV
Zinc, total	0.0176	0.0050	mg/L			04/17/25 1555	06/16/25 2036	RVV

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CERTIFICATE OF ANALYSIS

1IC1753

Client Sample ID: MW-603
Sample Matrix: Aqueous
Lab Sample ID: 1IC1753-18

Collected By: Whipple, Todd
Collection Date: 03/25/2025 10:29

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Bromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Chloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Acetone	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Methyl Iodide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Carbon Disulfide	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Acrylonitrile	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Vinyl Acetate	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Bromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Chloroform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Benzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Dibromomethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Toluene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Xylenes, total	<2.0	2.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Styrene	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Bromoform	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM

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CERTIFICATE OF ANALYSIS

11C1753

Client Sample ID: MW-603
Sample Matrix: Aqueous
Lab Sample ID: 11C1753-18

Collected By: Whipple, Todd
Collection Date: 03/25/2025 10:29

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		03/28/25 0000	03/28/25 2237	CSM
Surrogate: Dibromofluoromethane	78.8	Limit: 57-134	% Rec			03/28/25 0000	03/28/25 2237	CSM
Surrogate: Dibromofluoromethane	78.8	Limit: 75-136	% Rec			03/28/25 0000	03/28/25 2237	CSM
Surrogate: 1,2-Dichloroethane-d4	77.6	Limit: 53-140	% Rec			03/28/25 0000	03/28/25 2237	CSM
Surrogate: 1,2-Dichloroethane-d4	77.6	Limit: 61-142	% Rec			03/28/25 0000	03/28/25 2237	CSM
Surrogate: Toluene-d8	105	Limit: 86-114	% Rec			03/28/25 0000	03/28/25 2237	CSM
Surrogate: Toluene-d8	105	Limit: 82-121	% Rec			03/28/25 0000	03/28/25 2237	CSM
Surrogate: 4-Bromofluorobenzene	86.9	Limit: 78-121	% Rec			03/28/25 0000	03/28/25 2237	CSM
Surrogate: 4-Bromofluorobenzene	86.9	Limit: 80-116	% Rec			03/28/25 0000	03/28/25 2237	CSM

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2039	RVV
Arsenic, total	0.0046		0.0020	mg/L		04/17/25 1555	06/16/25 2039	RVV
Barium, total	0.0207		0.0010	mg/L		04/17/25 1555	06/16/25 2039	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2039	RVV
Cadmium, total		<0.0002	0.0002	mg/L		04/17/25 1555	06/16/25 2039	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2039	RVV
Cobalt, total	0.0141		0.0005	mg/L		04/17/25 1555	06/16/25 2039	RVV
Copper, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2039	RVV
Lead, total		<0.0010	0.0010	mg/L		04/17/25 1555	06/16/25 2039	RVV
Nickel, total	0.0062		0.0050	mg/L		04/17/25 1555	06/16/25 2039	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2039	RVV
Silver, total		<0.0050	0.0050	mg/L		04/17/25 1555	06/16/25 2039	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/17/25 1555	06/16/25 2039	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/17/25 1555	06/16/25 2039	RVV
Zinc, total	0.0064		0.0050	mg/L		04/17/25 1555	06/16/25 2039	RVV

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1IC1753

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IC1489	1IC1489-BS1	
		1IC1489-BSD1	
		1IC1489-BLK1	
		1IC1753-01	MW-307
		1IC1753-02	MW-312
		1IC1753-03	MW-390
		1IC1753-04	MW-300
		1IC1753-05	MW-303
		1IC1753-06	MW-304
		1IC1753-07	MW-313
		1IC1753-08	MW-335
		1IC1753-09	MW-344
		1IC1753-10	MW-380
		1IC1753-11	MW-381
		1IC1753-12	MW-382R
		1IC1753-13	GU-4AR
		1IC1753-15	MW-601
		1IC1753-16	MW-602
		1IC1753-17	MW-604
		1IC1753-18	MW-603
		1IC1489-MS1	1IC1753-01
		1IC1489-MSD1	1IC1753-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1ID0403	1ID0403-BLK1	
		1ID0403-BS1	
		1IC1753-01	MW-307
		1ID0403-MS1	1IC1753-01
		1ID0403-MSD1	1IC1753-01
		1ID0403-PS1	1IC1753-01
		1IC1753-02	MW-312
		1IC1753-03	MW-390
		1IC1753-04	MW-300
		1IC1753-05	MW-303
		1IC1753-06	MW-304
		1IC1753-07	MW-313
		1IC1753-08	MW-335
		1IC1753-09	MW-344
		1IC1753-10	MW-380
		1IC1753-11	MW-381

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CERTIFICATE OF ANALYSIS

1IC1753

EPA 6020A	1ID0403	1IC1753-12	MW-382R
		1IC1753-13	GU-4AR
		1IC1753-14	Field Duplicate
		1IC1753-15	MW-601
		1IC1753-16	MW-602
		1IC1753-17	MW-604
		1IC1753-18	MW-603
		1IC1753-04RE1	MW-300
		1IC1753-10RE1	MW-380

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 1IC1489 - EPA 5030B - EPA 8260D										
Blank (1IC1489-BLK1)				Prepared: 03/28/25 00:00 Analyzed: 03/28/25 14:51						
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							

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1489 - EPA 5030B - EPA 8260D										
Blank (1IC1489-BLK1)										
Prepared: 03/28/25 00:00 Analyzed: 03/28/25 14:51										
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							
Surrogate: Dibromofluoromethane	42.0		ug/L	50.2		83.6	57-134			
Surrogate: Dibromofluoromethane	42.0		ug/L	50.2		83.6	75-136			
Surrogate: 1,2-Dichloroethane-d4	38.4		ug/L	50.1		76.7	53-140			
Surrogate: 1,2-Dichloroethane-d4	38.4		ug/L	50.1		76.7	61-142			
Surrogate: Toluene-d8	52.8		ug/L	50.4		105	86-114			
Surrogate: Toluene-d8	52.8		ug/L	50.4		105	82-121			
Surrogate: 4-Bromofluorobenzene	46.9		ug/L	50.1		93.5	78-121			
Surrogate: 4-Bromofluorobenzene	46.9		ug/L	50.1		93.5	80-116			
LCS (1IC1489-BS1)										
Prepared: 03/28/25 00:00 Analyzed: 03/28/25 13:44										
Chloromethane	29.81	1.0	ug/L	30.3		98.3	63-155			
Vinyl Chloride	29.69	1.0	ug/L	30.2		98.2	70-154			
Bromomethane	28.25	1.0	ug/L	30.1		93.8	52-176			
Chloroethane	30.17	1.0	ug/L	30.3		99.5	72-148			
Trichlorofluoromethane	31.76	1.0	ug/L	30.3		105	70-152			
1,1-Dichloroethylene	52.93	1.0	ug/L	50.1		106	70-148			
Acetone	130.4	10.0	ug/L	100		130	43-172			
Methyl Iodide	97.19	1.0	ug/L	100		97.2	69-170			
Carbon Disulfide	99.74	1.0	ug/L	100		99.7	72-162			
Methylene Chloride	50.56	5.0	ug/L	50.1		101	68-142			
Acrylonitrile	58.85	5.0	ug/L	50.2		117	56-135			
trans-1,2-Dichloroethylene	53.43	1.0	ug/L	50.1		107	66-148			
1,1-Dichloroethane	55.08	1.0	ug/L	50.1		110	66-143			
Vinyl Acetate	175.0	5.0	ug/L	140		125	43-153			
cis-1,2-Dichloroethylene	55.02	1.0	ug/L	50.4		109	71-149			
2-Butanone (MEK)	113.8	10.0	ug/L	100		114	52-159			
Bromochloromethane	58.61	1.0	ug/L	50.4		116	69-143			

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CERTIFICATE OF ANALYSIS

1IC1753

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1489 - EPA 5030B - EPA 8260D										
LCS (1IC1489-BS1)										
Prepared: 03/28/25 00:00 Analyzed: 03/28/25 13:44										
Chloroform	55.04	1.0	ug/L	50.1		110	69-144			
1,1,1-Trichloroethane	52.88	1.0	ug/L	50.1		106	62-129			
Carbon Tetrachloride	51.98	1.0	ug/L	50.1		104	63-141			
Benzene	50.45	1.0	ug/L	50.4		100	71-134			
1,2-Dichloroethane	58.66	1.0	ug/L	50.1		117	72-132			
Trichloroethylene	50.31	1.0	ug/L	50.1		100	71-135			
1,2-Dichloropropane	54.29	1.0	ug/L	50.1		108	69-136			
Dibromomethane	59.61	1.0	ug/L	50.4		118	73-147			
Bromodichloromethane	58.55	1.0	ug/L	50.1		117	68-129			
cis-1,3-Dichloropropene	55.82	1.0	ug/L	50.1		111	65-134			
4-Methyl-2-pentanone (MIBK)	124.3	5.0	ug/L	100		124	58-147			
Toluene	54.21	1.0	ug/L	50.5		107	72-133			
trans-1,3-Dichloropropene	55.10	1.0	ug/L	50.1		110	67-130			
1,1,2-Trichloroethane	54.15	1.0	ug/L	50.1		108	69-135			
Tetrachloroethylene	46.37	1.0	ug/L	50.1		92.6	69-130			
2-Hexanone (MBK)	124.7	5.0	ug/L	100		125	55-144			
Dibromochloromethane	56.69	1.0	ug/L	50.1		113	73-127			
1,2-Dibromoethane	56.24	1.0	ug/L	50.2		112	67-132			
Chlorobenzene	49.34	1.0	ug/L	50.1		98.5	72-123			
1,1,1,2-Tetrachloroethane	49.00	1.0	ug/L	50.3		97.3	73-127			
Ethylbenzene	51.55	1.0	ug/L	50.2		103	71-127			
Xylenes, total	155.5	2.0	ug/L	151		103	74-127			
Styrene	55.43	1.0	ug/L	50.4		110	66-126			
Bromoform	56.78	1.0	ug/L	50.1		113	68-130			
1,2,3-Trichloropropane	51.90	1.0	ug/L	50.3		103	63-136			
trans-1,4-Dichloro-2-butene	115.6	5.0	ug/L	100		116	54-134			
1,1,2,2-Tetrachloroethane	54.67	1.0	ug/L	50.1		109	61-131			
1,4-Dichlorobenzene	47.25	1.0	ug/L	50.1		94.3	70-129			
1,2-Dichlorobenzene	50.82	1.0	ug/L	50.1		101	69-126			
1,2-Dibromo-3-chloropropane	60.75	5.0	ug/L	50.1		121	50-143			
Surrogate: Dibromofluoromethane	53.1		ug/L	50.2		106	57-134			
Surrogate: Dibromofluoromethane	53.1		ug/L	50.2		106	75-136			
Surrogate: 1,2-Dichloroethane-d4	55.0		ug/L	50.1		110	53-140			
Surrogate: 1,2-Dichloroethane-d4	55.0		ug/L	50.1		110	61-142			
Surrogate: Toluene-d8	50.8		ug/L	50.4		101	82-121			
Surrogate: Toluene-d8	50.8		ug/L	50.4		101	86-114			
Surrogate: 4-Bromofluorobenzene	50.7		ug/L	50.1		101	78-121			
Surrogate: 4-Bromofluorobenzene	50.7		ug/L	50.1		101	80-116			
LCS Dup (1IC1489-BS1)										
Prepared: 03/28/25 00:00 Analyzed: 03/28/25 14:06										
Chloromethane	30.47	1.0	ug/L	30.3		100	63-155	2.19	24	
Vinyl Chloride	31.13	1.0	ug/L	30.2		103	70-154	4.74	25	
Bromomethane	28.43	1.0	ug/L	30.1		94.4	52-176	0.635	27	
Chloroethane	30.80	1.0	ug/L	30.3		102	72-148	2.07	25	

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CERTIFICATE OF ANALYSIS

1IC1753

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1489 - EPA 5030B - EPA 8260D										
LCS Dup (1IC1489-BSD1)				Prepared: 03/28/25 00:00 Analyzed: 03/28/25 14:06						
Trichlorofluoromethane	33.09	1.0	ug/L	30.3		109	70-152	4.10	26	
1,1-Dichloroethylene	55.40	1.0	ug/L	50.1		111	70-148	4.56	24	
Acetone	130.7	10.0	ug/L	100		131	43-172	0.245	30	
Methyl Iodide	101.2	1.0	ug/L	100		101	69-170	4.08	30	
Carbon Disulfide	105.0	1.0	ug/L	100		105	72-162	5.10	24	
Methylene Chloride	51.76	5.0	ug/L	50.1		103	68-142	2.35	21	
Acrylonitrile	59.55	5.0	ug/L	50.2		119	56-135	1.18	16	
trans-1,2-Dichloroethylene	55.63	1.0	ug/L	50.1		111	66-148	4.03	27	
1,1-Dichloroethane	56.61	1.0	ug/L	50.1		113	66-143	2.74	24	
Vinyl Acetate	182.4	5.0	ug/L	140		130	43-153	4.15	30	
cis-1,2-Dichloroethylene	57.64	1.0	ug/L	50.4		114	71-149	4.65	26	
2-Butanone (MEK)	122.2	10.0	ug/L	100		122	52-159	7.14	27	
Bromochloromethane	59.66	1.0	ug/L	50.4		118	69-143	1.78	23	
Chloroform	56.14	1.0	ug/L	50.1		112	69-144	1.98	23	
1,1,1-Trichloroethane	55.94	1.0	ug/L	50.1		112	62-129	5.62	24	
Carbon Tetrachloride	54.26	1.0	ug/L	50.1		108	63-141	4.29	25	
Benzene	51.14	1.0	ug/L	50.4		101	71-134	1.36	24	
1,2-Dichloroethane	58.45	1.0	ug/L	50.1		117	72-132	0.359	24	
Trichloroethylene	50.59	1.0	ug/L	50.1		101	71-135	0.555	24	
1,2-Dichloropropane	54.57	1.0	ug/L	50.1		109	69-136	0.514	24	
Dibromomethane	60.25	1.0	ug/L	50.4		120	73-147	1.07	25	
Bromodichloromethane	57.82	1.0	ug/L	50.1		115	68-129	1.25	22	
cis-1,3-Dichloropropene	56.37	1.0	ug/L	50.1		113	65-134	0.980	23	
4-Methyl-2-pentanone (MIBK)	124.0	5.0	ug/L	100		124	58-147	0.234	27	
Toluene	55.34	1.0	ug/L	50.5		110	72-133	2.06	24	
trans-1,3-Dichloropropene	57.08	1.0	ug/L	50.1		114	67-130	3.53	24	
1,1,2-Trichloroethane	52.78	1.0	ug/L	50.1		105	69-135	2.56	23	
Tetrachloroethylene	49.50	1.0	ug/L	50.1		98.8	69-130	6.53	25	
2-Hexanone (MBK)	128.2	5.0	ug/L	100		128	55-144	2.82	25	
Dibromochloromethane	57.63	1.0	ug/L	50.1		115	73-127	1.64	22	
1,2-Dibromoethane	58.34	1.0	ug/L	50.2		116	67-132	3.67	24	
Chlorobenzene	51.83	1.0	ug/L	50.1		103	72-123	4.92	23	
1,1,1,2-Tetrachloroethane	51.17	1.0	ug/L	50.3		102	73-127	4.33	24	
Ethylbenzene	54.09	1.0	ug/L	50.2		108	71-127	4.81	26	
Xylenes, total	164.0	2.0	ug/L	151		109	74-127	5.33	25	
Styrene	57.80	1.0	ug/L	50.4		115	66-126	4.19	23	
Bromoform	57.43	1.0	ug/L	50.1		115	68-130	1.14	23	
1,2,3-Trichloropropane	56.21	1.0	ug/L	50.3		112	63-136	7.97	24	
trans-1,4-Dichloro-2-butene	118.6	5.0	ug/L	100		119	54-134	2.55	27	
1,1,2,2-Tetrachloroethane	55.17	1.0	ug/L	50.1		110	61-131	0.910	29	
1,4-Dichlorobenzene	48.02	1.0	ug/L	50.1		95.8	70-129	1.62	24	
1,2-Dichlorobenzene	51.85	1.0	ug/L	50.1		104	69-126	2.01	26	
1,2-Dibromo-3-chloropropane	56.32	5.0	ug/L	50.1		112	50-143	7.57	30	

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Page 42 of 51



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1753

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1489 - EPA 5030B - EPA 8260D									
LCS Dup (1IC1489-BSD1)									
				Prepared: 03/28/25 00:00 Analyzed: 03/28/25 14:06					
Surrogate: Dibromofluoromethane	54.0		ug/L	50.2		108 57-134			
Surrogate: Dibromofluoromethane	54.0		ug/L	50.2		108 75-136			
Surrogate: 1,2-Dichloroethane-d4	55.4		ug/L	50.1		111 53-140			
Surrogate: 1,2-Dichloroethane-d4	55.4		ug/L	50.1		111 61-142			
Surrogate: Toluene-d8	49.5		ug/L	50.4		98.3 86-114			
Surrogate: Toluene-d8	49.5		ug/L	50.4		98.3 82-121			
Surrogate: 4-Bromofluorobenzene	51.2		ug/L	50.1		102 78-121			
Surrogate: 4-Bromofluorobenzene	51.2		ug/L	50.1		102 80-116			
Matrix Spike (1IC1489-MS1)									
				Source: 1IC1753-01 Prepared: 03/28/25 00:00 Analyzed: 03/28/25 22:59					
Chloromethane	289.9	10.0	ug/L	303	ND	95.6 61-152			
Vinyl Chloride	295.4	10.0	ug/L	302	ND	97.7 66-149			
Bromomethane	261.3	10.0	ug/L	301	ND	86.7 43-171			
Chloroethane	293.6	10.0	ug/L	303	ND	96.8 69-148			
Trichlorofluoromethane	317.3	10.0	ug/L	303	ND	105 62-163			
1,1-Dichloroethylene	519.3	10.0	ug/L	501	ND	104 70-148			
Acetone	1161	100	ug/L	1000	ND	116 45-173			
Methyl Iodide	916.1	10.0	ug/L	1000	ND	91.6 62-167			
Carbon Disulfide	975.1	10.0	ug/L	1000	ND	97.5 71-163			
Methylene Chloride	454.3	50.0	ug/L	501	ND	90.7 69-140			
Acrylonitrile	551.3	50.0	ug/L	502	ND	110 38-147			
trans-1,2-Dichloroethylene	520.6	10.0	ug/L	501	ND	104 69-144			
1,1-Dichloroethane	520.1	10.0	ug/L	501	ND	104 70-138			
Vinyl Acetate	1628	50.0	ug/L	1400	ND	116 58-142			
cis-1,2-Dichloroethylene	524.5	10.0	ug/L	504	ND	104 68-151			
2-Butanone (MEK)	1021	100	ug/L	1000	ND	102 50-160			
Bromochloromethane	525.9	10.0	ug/L	504	ND	104 65-143			
Chloroform	516.7	10.0	ug/L	501	ND	103 71-143			
1,1,1-Trichloroethane	536.4	10.0	ug/L	501	ND	107 63-133			
Carbon Tetrachloride	527.2	10.0	ug/L	501	ND	105 63-142			
Benzene	493.9	10.0	ug/L	504	ND	97.9 69-133			
1,2-Dichloroethane	530.1	10.0	ug/L	501	ND	106 63-138			
Trichloroethylene	495.8	10.0	ug/L	501	ND	99.0 71-133			
1,2-Dichloropropane	501.7	10.0	ug/L	501	ND	100 69-132			
Dibromomethane	519.9	10.0	ug/L	504	ND	103 70-147			
Bromodichloromethane	525.8	10.0	ug/L	501	ND	105 67-130			
cis-1,3-Dichloropropene	491.4	10.0	ug/L	501	ND	98.1 61-126			
4-Methyl-2-pentanone (MIBK)	1030	50.0	ug/L	1000	ND	103 55-147			
Toluene	537.4	10.0	ug/L	505	ND	106 71-133			
trans-1,3-Dichloropropene	474.5	10.0	ug/L	501	ND	94.8 63-124			
1,1,2-Trichloroethane	480.0	10.0	ug/L	501	ND	95.8 69-133			
Tetrachloroethylene	496.2	10.0	ug/L	501	ND	99.0 70-124			
2-Hexanone (MBK)	1080	50.0	ug/L	1000	ND	108 53-141			
Dibromochloromethane	505.0	10.0	ug/L	501	ND	101 74-122			

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CERTIFICATE OF ANALYSIS

1IC1753

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1489 - EPA 5030B - EPA 8260D										
Matrix Spike (1IC1489-MS1)	Source: 1IC1753-01			Prepared: 03/28/25 00:00 Analyzed: 03/28/25 22:59						
1,2-Dibromoethane	519.2	10.0	ug/L	502	ND	103	66-127			
Chlorobenzene	489.4	10.0	ug/L	501	ND	97.7	76-116			
1,1,1,2-Tetrachloroethane	477.2	10.0	ug/L	503	ND	94.8	77-121			
Ethylbenzene	525.7	10.0	ug/L	502	ND	105	73-124			
Xylenes, total	1567	20.0	ug/L	1510	ND	104	75-123			
Styrene	525.3	10.0	ug/L	504	ND	104	70-120			
Bromoform	501.8	10.0	ug/L	501	ND	100	70-124			
1,2,3-Trichloropropane	452.4	10.0	ug/L	503	ND	89.9	62-135			
trans-1,4-Dichloro-2-butene	931.3	50.0	ug/L	1000	ND	93.1	50-120			
1,1,2,2-Tetrachloroethane	508.4	10.0	ug/L	501	ND	101	63-126			
1,4-Dichlorobenzene	449.1	10.0	ug/L	501	ND	89.6	72-119			
1,2-Dichlorobenzene	459.5	10.0	ug/L	501	ND	91.7	71-117			
1,2-Dibromo-3-chloropropane	419.5	50.0	ug/L	501	ND	83.7	49-134			
Surrogate: Dibromofluoromethane	512		ug/L	502		102	57-134			
Surrogate: Dibromofluoromethane	512		ug/L	502		102	75-136			
Surrogate: 1,2-Dichloroethane-d4	514		ug/L	501		103	53-140			
Surrogate: 1,2-Dichloroethane-d4	514		ug/L	501		103	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	493		ug/L	501		98.4	78-121			
Surrogate: 4-Bromofluorobenzene	493		ug/L	501		98.4	80-116			
Matrix Spike Dup (1IC1489-MSD1)	Source: 1IC1753-01			Prepared: 03/28/25 00:00 Analyzed: 03/28/25 23:22						
Chloromethane	275.6	10.0	ug/L	303	ND	90.9	61-152	5.06	26	
Vinyl Chloride	283.4	10.0	ug/L	302	ND	93.7	66-149	4.15	23	
Bromomethane	253.3	10.0	ug/L	301	ND	84.1	43-171	3.11	29	
Chloroethane	275.6	10.0	ug/L	303	ND	90.9	69-148	6.32	25	
Trichlorofluoromethane	288.8	10.0	ug/L	303	ND	95.3	62-163	9.40	25	
1,1-Dichloroethylene	489.6	10.0	ug/L	501	ND	97.7	70-148	5.89	22	
Acetone	1190	100	ug/L	1000	ND	119	45-173	2.42	30	
Methyl Iodide	874.0	10.0	ug/L	1000	ND	87.4	62-167	4.70	24	
Carbon Disulfide	919.9	10.0	ug/L	1000	ND	92.0	71-163	5.83	22	
Methylene Chloride	430.6	50.0	ug/L	501	ND	85.9	69-140	5.36	19	
Acrylonitrile	498.8	50.0	ug/L	502	ND	99.4	38-147	10.0	30	
trans-1,2-Dichloroethylene	491.5	10.0	ug/L	501	ND	98.1	69-144	5.75	22	
1,1-Dichloroethane	486.9	10.0	ug/L	501	ND	97.2	70-138	6.59	20	
Vinyl Acetate	1477	50.0	ug/L	1400	ND	105	58-142	9.75	24	
cis-1,2-Dichloroethylene	491.5	10.0	ug/L	504	ND	97.6	68-151	6.50	22	
2-Butanone (MEK)	852.7	100	ug/L	1000	ND	85.3	50-160	17.9	23	
Bromochloromethane	503.0	10.0	ug/L	504	ND	99.8	65-143	4.45	22	
Chloroform	492.3	10.0	ug/L	501	ND	98.3	71-143	4.84	21	
1,1,1-Trichloroethane	498.0	10.0	ug/L	501	ND	99.4	63-133	7.42	23	
Carbon Tetrachloride	493.8	10.0	ug/L	501	ND	98.6	63-142	6.54	22	
Benzene	459.4	10.0	ug/L	504	ND	91.1	69-133	7.24	18	

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CERTIFICATE OF ANALYSIS

1IC1753

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1489 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IC1489-MSD1) Source: 1IC1753-01 Prepared: 03/28/25 00:00 Analyzed: 03/28/25 23:22										
1,2-Dichloroethane	504.2	10.0	ug/L	501	ND	101	63-138	5.01	20	
Trichloroethylene	465.8	10.0	ug/L	501	ND	93.0	71-133	6.24	23	
1,2-Dichloropropane	474.4	10.0	ug/L	501	ND	94.7	69-132	5.59	20	
Dibromomethane	505.1	10.0	ug/L	504	ND	100	70-147	2.89	22	
Bromodichloromethane	490.0	10.0	ug/L	501	ND	97.8	67-130	7.05	21	
cis-1,3-Dichloropropene	466.4	10.0	ug/L	501	ND	93.1	61-126	5.22	21	
4-Methyl-2-pentanone (MIBK)	1032	50.0	ug/L	1000	ND	103	55-147	0.107	23	
Toluene	503.5	10.0	ug/L	505	ND	99.8	71-133	6.51	19	
trans-1,3-Dichloropropene	453.6	10.0	ug/L	501	ND	90.6	63-124	4.50	21	
1,1,2-Trichloroethane	448.7	10.0	ug/L	501	ND	89.6	69-133	6.74	19	
Tetrachloroethylene	473.9	10.0	ug/L	501	ND	94.6	70-124	4.60	24	
2-Hexanone (MBK)	1077	50.0	ug/L	1000	ND	108	53-141	0.232	24	
Dibromochloromethane	493.3	10.0	ug/L	501	ND	98.5	74-122	2.34	21	
1,2-Dibromoethane	485.8	10.0	ug/L	502	ND	96.7	66-127	6.65	23	
Chlorobenzene	460.0	10.0	ug/L	501	ND	91.8	76-116	6.19	21	
1,1,1,2-Tetrachloroethane	453.9	10.0	ug/L	503	ND	90.2	77-121	5.00	25	
Ethylbenzene	500.5	10.0	ug/L	502	ND	99.8	73-124	4.91	20	
Xylenes, total	1490	20.0	ug/L	1510	ND	98.6	75-123	5.05	20	
Styrene	505.6	10.0	ug/L	504	ND	100	70-120	3.82	23	
Bromoform	465.3	10.0	ug/L	501	ND	92.8	70-124	7.55	22	
1,2,3-Trichloropropane	431.5	10.0	ug/L	503	ND	85.7	62-135	4.73	28	
trans-1,4-Dichloro-2-butene	903.6	50.0	ug/L	1000	ND	90.4	50-120	3.02	26	
1,1,2,2-Tetrachloroethane	496.3	10.0	ug/L	501	ND	99.1	63-126	2.41	24	
1,4-Dichlorobenzene	454.7	10.0	ug/L	501	ND	90.7	72-119	1.24	24	
1,2-Dichlorobenzene	462.7	10.0	ug/L	501	ND	92.4	71-117	0.694	24	
1,2-Dibromo-3-chloropropane	493.6	50.0	ug/L	501	ND	98.5	49-134	16.2	28	
Surrogate: Dibromofluoromethane	502		ug/L	502		100	57-134			
Surrogate: Dibromofluoromethane	502		ug/L	502		100	75-136			
Surrogate: 1,2-Dichloroethane-d4	496		ug/L	501		99.0	53-140			
Surrogate: 1,2-Dichloroethane-d4	496		ug/L	501		99.0	61-142			
Surrogate: Toluene-d8	499		ug/L	504		99.0	86-114			
Surrogate: Toluene-d8	499		ug/L	504		99.0	82-121			
Surrogate: 4-Bromofluorobenzene	472		ug/L	501		94.2	78-121			
Surrogate: 4-Bromofluorobenzene	472		ug/L	501		94.2	80-116			

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0403 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1ID0403-BLK1) Prepared: 04/17/25 15:55 Analyzed: 06/16/25 19:30										
Antimony, total	<0.0010	0.0010	mg/L							
Arsenic, total	<0.0020	0.0020	mg/L							
Barium, total	<0.0010	0.0010	mg/L							
Beryllium, total	<0.0005	0.0005	mg/L							

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0403 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1ID0403-BLK1)			Prepared: 04/17/25 15:55 Analyzed: 06/16/25 19:30							
Cadmium, total	<0.0002	0.0002	mg/L							
Chromium, total	<0.0010	0.0010	mg/L							B
Cobalt, total	<0.0005	0.0005	mg/L							
Copper, total	<0.0050	0.0050	mg/L							
Lead, total	<0.0010	0.0010	mg/L							
Nickel, total	<0.0050	0.0050	mg/L							
Selenium, total	<0.0020	0.0020	mg/L							
Silver, total	<0.0050	0.0050	mg/L							
Thallium, total	<0.0005	0.0005	mg/L							
Vanadium, total	<0.0020	0.0020	mg/L							
Zinc, total	<0.0050	0.0050	mg/L							
LCS (1ID0403-BS1)			Prepared: 04/17/25 15:55 Analyzed: 06/16/25 19:38							
Antimony, total	0.102	0.0010	mg/L	0.100		102	80-120			
Arsenic, total	0.0954	0.0020	mg/L	0.100		95.4	80-120			
Barium, total	0.112	0.0010	mg/L	0.100		112	80-120			
Beryllium, total	0.0963	0.0005	mg/L	0.100		96.3	80-120			
Cadmium, total	0.0994	0.0002	mg/L	0.100		99.4	80-120			
Chromium, total	0.103	0.0010	mg/L	0.100		103	80-120			
Cobalt, total	0.0976	0.0005	mg/L	0.100		97.6	80-120			
Copper, total	0.0933	0.0050	mg/L	0.100		93.3	80-120			
Lead, total	0.0959	0.0010	mg/L	0.100		95.9	80-120			
Nickel, total	0.0904	0.0050	mg/L	0.100		90.4	80-120			
Selenium, total	0.0954	0.0020	mg/L	0.100		95.4	80-120			
Silver, total	0.107	0.0050	mg/L	0.100		107	80-120			
Thallium, total	0.105	0.0005	mg/L	0.100		105	80-120			
Vanadium, total	0.108	0.0020	mg/L	0.100		108	80-120			
Zinc, total	0.0935	0.0050	mg/L	0.100		93.5	80-120			
Matrix Spike (1ID0403-MS1)			Source: 1IC1753-01	Prepared: 04/17/25 15:55 Analyzed: 06/16/25 19:44						
Antimony, total	0.105	0.0010	mg/L	0.100	ND	105	75-125			
Arsenic, total	0.0283	0.0020	mg/L	0.100	ND	28.3	75-125			M2
Barium, total	0.121	0.0010	mg/L	0.100	0.0095	111	75-125			
Beryllium, total	0.0857	0.0005	mg/L	0.100	0.0003	85.4	75-125			
Cadmium, total	0.0986	0.0002	mg/L	0.100	0.0002	98.5	75-125			
Chromium, total	0.100	0.0010	mg/L	0.100	0.0008	99.2	75-125			
Cobalt, total	0.131	0.0005	mg/L	0.100	0.0374	93.6	75-125			
Copper, total	0.0722	0.0050	mg/L	0.100	0.0021	70.2	75-125			M2
Lead, total	0.0960	0.0010	mg/L	0.100	ND	96.0	75-125			
Nickel, total	0.126	0.0050	mg/L	0.100	0.0534	73.0	75-125			M2
Selenium, total	0.0290	0.0020	mg/L	0.100	ND	29.0	75-125			M2
Silver, total	0.104	0.0050	mg/L	0.100	ND	104	75-125			
Thallium, total	0.103	0.0005	mg/L	0.100	0.00005	103	75-125			
Vanadium, total	0.107	0.0020	mg/L	0.100	ND	107	75-125			
Zinc, total	0.341	0.0050	mg/L	0.100	0.238	103	75-125			

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CERTIFICATE OF ANALYSIS

1IC1753

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0403 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike Dup (1ID0403-MSD1)		Source: 1IC1753-01		Prepared: 04/17/25 15:55 Analyzed: 06/16/25 19:47						
Antimony, total	0.103	0.0010	mg/L	0.100	ND	103	75-125	2.58	20	
Arsenic, total	0.0279	0.0020	mg/L	0.100	ND	27.9	75-125	1.63	20	M2
Barium, total	0.122	0.0010	mg/L	0.100	0.0095	112	75-125	1.15	20	
Beryllium, total	0.0838	0.0005	mg/L	0.100	0.0003	83.5	75-125	2.27	20	
Cadmium, total	0.0966	0.0002	mg/L	0.100	0.0002	96.4	75-125	2.10	20	
Chromium, total	0.103	0.0010	mg/L	0.100	0.0008	102	75-125	2.82	20	
Cobalt, total	0.129	0.0005	mg/L	0.100	0.0374	91.3	75-125	1.80	20	
Copper, total	0.0721	0.0050	mg/L	0.100	0.0021	70.0	75-125	0.193	20	M2
Lead, total	0.0954	0.0010	mg/L	0.100	ND	95.4	75-125	0.625	20	
Nickel, total	0.128	0.0050	mg/L	0.100	0.0534	74.3	75-125	1.05	20	M2
Selenium, total	0.0286	0.0020	mg/L	0.100	ND	28.6	75-125	1.53	20	M2
Silver, total	0.104	0.0050	mg/L	0.100	ND	104	75-125	0.220	20	
Thallium, total	0.103	0.0005	mg/L	0.100	0.00005	103	75-125	0.197	20	
Vanadium, total	0.110	0.0020	mg/L	0.100	ND	110	75-125	2.09	20	
Zinc, total	0.341	0.0050	mg/L	0.100	0.238	103	75-125	0.0540	20	
Post Spike (1ID0403-PS1)		Source: 1IC1753-01		Prepared: 04/17/25 15:55 Analyzed: 06/16/25 19:49						
Antimony, total	0.0196		mg/L	0.0200	0.0002	97.0	80-120			
Arsenic, total	0.0064		mg/L	0.0200	0.0004	29.7	80-120			M2
Barium, total	0.0295		mg/L	0.0200	0.0093	101	80-120			
Beryllium, total	0.0170		mg/L	0.0200	0.0003	83.5	80-120			
Cadmium, total	0.0196		mg/L	0.0200	0.0001	97.2	80-120			
Chromium, total	0.0204		mg/L	0.0200	0.0008	97.7	80-120			M2
Cobalt, total	0.0564		mg/L	0.0200	0.0366	99.0	80-120			
Copper, total	0.0165		mg/L	0.0200	0.0020	72.2	80-120			M2
Lead, total	0.0188		mg/L	0.0200	0.00003	93.8	80-120			
Nickel, total	0.0676		mg/L	0.0200	0.0523	76.3	80-120			M2
Selenium, total	0.0064		mg/L	0.0200	0.0001	31.2	80-120			M2
Silver, total	0.0196		mg/L	0.0200	0.000006	98.0	80-120			
Thallium, total	0.0198		mg/L	0.0200	0.00005	98.8	80-120			
Vanadium, total	0.0209		mg/L	0.0200	0.0002	104	80-120			
Zinc, total	0.257		mg/L	0.0200	0.233	121	80-120			M1

Definitions

B:	The target analyte was detected in the blank at or above the method acceptance criteria.
M1:	Matrix spike recovery is above acceptance limits.
M2:	Matrix spike recovery is below acceptance limits.
RL:	Reporting Limit
RPD:	Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 0.0°C



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CERTIFICATE OF ANALYSIS

1IC1753

Cooler Inspection Checklist

Custody Seals	No	Containers Intact	Yes
COC/Labels Agree	Yes	Preservation Confirmed	No
Received On Ice	Yes		

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.

Reviewed and Approved By:

Heather Tisdale
Customer Relationship Specialist
06/19/25 08:44



600 East 171
Newton, IA 5
641-792-845

CH



HLW Engineering
PM: Heather Murphy

Page 1 of 1
Printed: 2/17/2025 10:36:20A
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Page 49 of 51

SITE INFORMATION

Sampler: TODD WHIPPLE
Project: SCISWA - New Regs
6009

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

Rick Hurt
South Central IA Solid Waste Agency
1736 Highway T17
Tracy, IA 50256

LAB USE ONLY

Work Order 1IC1753

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-307	Aqueous	GRAB	<u>3/25/25</u>	<u>8:36</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>01</u>
-001	MW-312	Aqueous	GRAB	<u>3/25/25</u>	<u>10:50</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>02</u>
-001	MW-390	Aqueous	GRAB	<u>3/25/25</u>	<u>8:14</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>03</u>
-001	MW-300	Aqueous	GRAB	<u>3/25/25</u>	<u>11:30</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>04</u>
-001	MW-303	Aqueous	GRAB	<u>3/25/25</u>	<u>13:28</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>05</u>
-001	MW-304	Aqueous	GRAB	<u>3/25/25</u>	<u>13:46</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>06</u>
-001	MW-313	Aqueous	GRAB	<u>3/25/25</u>	<u>12:55</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>07</u>

Todd Whipple 3/26/25
Relinquished By Date/Time

Rick Hurt 3/26/25 10:03
Received for Lab By Date/Time

Received By Date/Time

Original - Lab Copy Yellow - Sampler Copy

Remarks:



600 East
Newton,
641-792-



1 I C 1 7 5 3

HLW Engineering

PM: Heather Murphy

Page 2 of

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Page 50 of 51

SITE INFORMATION

Sampler: Todd Whipple

Project: SCISWA - New Regs
6009

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

Rick Hurt
South Central IA Solid Waste Agency
1736 Highway T17
Tracy, IA 50256

LAB USE ONLY

Work Order IC1753

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-335	Aqueous	GRAB	3/25/25	13:13	7	Indfill-app1-voc-group Indfill-app1-metals-6020	08
-001	MW-344	Aqueous	GRAB	3/25/25	12:00	7	Indfill-app1-voc-group Indfill-app1-metals-6020	09
-001	MW-380	Aqueous	GRAB	3/25/25	11:15	7	Indfill-app1-voc-group Indfill-app1-metals-6020	10
-001	MW-381	Aqueous	GRAB	3/25/25	12:32	7	Indfill-app1-voc-group Indfill-app1-metals-6020	11
-001	MW-382R	Aqueous	GRAB	3/25/25	12:15	7	Indfill-app1-voc-group Indfill-app1-metals-6020	12
-001	GU-4AR	Aqueous	GRAB	3/25/25	9:20	7	Indfill-app1-voc-group Indfill-app1-metals-6020	13
-001	Field Duplicate	Aqueous	GRAB	3/25/25	✓	1	Indfill-app1-metals-6020	14

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 E
Newt
641-7



HLW Engineering
PM: Heather Murphy

Page 3 of

Printed: 2/17/2025 10:36:20A

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Page 51 of 51

SITE INFORMATION

Sampler: TODD WHIPPLE

Project: SCISWA - New Regs
6009

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

Rick Hurt
South Central IA Solid Waste Agency
1736 Highway T17
Tracy, IA 50256

LAB USE ONLY

Work Order 11C1753

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-601	Aqueous	GRAB	<u>3/25/25</u>	<u>9:40</u>	<u>7</u>	hdfil-app1-voc-group hdfil-app1-metals-6020	<u>15</u>
-001	MW-602	Aqueous	GRAB	<u>3/25/25</u>	<u>9:59</u>	<u>7</u>	hdfil-app1-voc-group hdfil-app1-metals-6020	<u>16</u>
-001	MW-604	Aqueous	GRAB	<u>3/25/25</u>	<u>8:59</u>	<u>7</u>	hdfil-app1-voc-group hdfil-app1-metals-6020	<u>17</u>
-001	MW-605 <u>DRY</u>	Aqueous	GRAB	<u>3/25/25</u>	<u>—</u>	<u>0</u>	hdfil-app1-voc-group hdfil-app1-metals-6020	<u>—</u>
-001	MW-603	Aqueous	GRAB	<u>3/25/25</u>	<u>10:29</u>	<u>7</u>	hdfil-app1-voc-group hdfil-app1-metals-6020	<u>18</u>

Relinquished By

Date/Time

Relinquished By

Date/Time

Received By

Date/Time

Received for Lab By

Date/Time

Original - Lab Copy Yellow - Sampler Copy

Remarks:



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CERTIFICATE OF ANALYSIS

1111366

Project Description

6009

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Sue Thompson

Client Services Manager

Tuesday, September 30, 2025

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

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

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CERTIFICATE OF ANALYSIS

1II1366

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6009

Project / PO Number: N/A
Received: 09/17/2025
Reported: 09/30/2025

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-307	1II1366-01	Aqueous	GRAB		09/15/25 08:16	09/17/25 09:35
MW-312	1II1366-02	Aqueous	GRAB		09/15/25 10:34	09/17/25 09:35
MW-390	1II1366-03	Aqueous	GRAB		09/15/25 08:00	09/17/25 09:35
MW-300	1II1366-04	Aqueous	GRAB		09/15/25 11:42	09/17/25 09:35
MW-303	1II1366-05	Aqueous	GRAB		09/15/25 13:27	09/17/25 09:35
MW-304	1II1366-06	Aqueous	GRAB		09/15/25 13:44	09/17/25 09:35
MW-313	1II1366-07	Aqueous	GRAB		09/15/25 12:54	09/17/25 09:35
MW-335	1II1366-08	Aqueous	GRAB		09/15/25 13:10	09/17/25 09:35
MW-344	1II1366-09	Aqueous	GRAB		09/15/25 11:59	09/17/25 09:35
MW-380	1II1366-10	Aqueous	GRAB		09/15/25 11:23	09/17/25 09:35
MW-381	1II1366-11	Aqueous	GRAB		09/15/25 12:33	09/17/25 09:35
MW-382R	1II1366-12	Aqueous	GRAB		09/15/25 12:14	09/17/25 09:35
GU-4AR	1II1366-13	Aqueous	GRAB		09/15/25 08:35	09/17/25 09:35
MW-601	1II1366-14	Aqueous	GRAB		09/15/25 08:45	09/17/25 09:35
MW-602	1II1366-15	Aqueous	GRAB		09/15/25 09:10	09/17/25 09:35
MW-603	1II1366-16	Aqueous	GRAB		09/15/25 10:03	09/17/25 09:35
MW-604	1II1366-17	Aqueous	GRAB		09/15/25 09:36	09/17/25 09:35



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CERTIFICATE OF ANALYSIS

11I1366

Analytical Testing Parameters

Client Sample ID:	MW-307	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	09/15/2025 8:16
Lab Sample ID:	11I1366-01		

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	<50	50	mg/L		09/17/25 1426	09/23/25 1432	BSS
SM 4500-H+ B-2011							
pH	5.8	0.5	pH	H4	09/17/25 1428	09/17/25 1652	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	2200	20.0	mg/L			09/25/25 0406	BMS
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B							
Aluminum, total	0.090	0.050	mg/L		09/17/25 1544	09/24/25 2348	JAR
Iron, total	230	0.100	mg/L	M6	09/17/25 1544	09/24/25 2348	JAR

Client Sample ID:	MW-312	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	09/15/2025 10:34
Lab Sample ID:	11I1366-02		

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	335	10	mg/L		09/17/25 1426	09/23/25 1432	BSS
SM 4500-H+ B-2011							
pH	6.1	0.5	pH	H4	09/17/25 1428	09/17/25 1652	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	409	10.0	mg/L			09/25/25 0428	BMS
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B							
Aluminum, total	<0.050	0.050	mg/L		09/17/25 1544	09/25/25 0025	JAR
Iron, total	8.05	0.100	mg/L		09/17/25 1544	09/25/25 0025	JAR

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Page 3 of 20



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CERTIFICATE OF ANALYSIS

111366

Client Sample ID:	MW-390	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	09/15/2025 8:00
Lab Sample ID:	111366-03		

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	222	50	mg/L		09/17/25 1426	09/23/25 1432	BSS
SM 4500-H+ B-2011							
pH	6.0	0.5	pH	H4	09/17/25 1428	09/17/25 1652	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	1830	20.0	mg/L			09/25/25 0451	BMS
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B							
Aluminum, total	<0.050	0.050	mg/L		09/17/25 1544	09/25/25 0034	JAR
Iron, total	131	0.100	mg/L		09/17/25 1544	09/25/25 0034	JAR

Client Sample ID:	MW-300	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	09/15/2025 11:42
Lab Sample ID:	111366-04		

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	179	50	mg/L		09/17/25 1426	09/23/25 1432	BSS
SM 4500-H+ B-2011							
pH	5.6	0.5	pH	H4	09/17/25 1428	09/17/25 1652	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	3700	50.0	mg/L			09/29/25 1705	BMS
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B							
Aluminum, total	0.914	0.050	mg/L		09/17/25 1544	09/25/25 0044	JAR
Iron, total	203	0.100	mg/L		09/17/25 1544	09/25/25 0044	JAR

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Page 4 of 20



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111366

Client Sample ID:	MW-303	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	09/15/2025 13:27
Lab Sample ID:	111366-05		

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	562	10	mg/L		09/17/25 1426	09/23/25 1432	BSS
SM 4500-H+ B-2011							
pH	6.4	0.5	pH	H4	09/17/25 1428	09/17/25 1652	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	120	10.0	mg/L			09/25/25 0620	BMS
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B							
Aluminum, total	<0.050	0.050	mg/L		09/17/25 1544	09/25/25 0053	JAR
Iron, total	0.887	0.100	mg/L		09/17/25 1544	09/25/25 0053	JAR

Client Sample ID:	MW-304	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	09/15/2025 13:44
Lab Sample ID:	111366-06		

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	374	10	mg/L		09/17/25 1426	09/23/25 1432	BSS
SM 4500-H+ B-2011							
pH	6.8	0.5	pH	H4	09/17/25 1428	09/17/25 1652	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	47.1	10.0	mg/L			09/25/25 0642	BMS
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B							
Aluminum, total	<0.050	0.050	mg/L		09/17/25 1544	09/25/25 0116	JAR
Iron, total	<0.100	0.100	mg/L		09/17/25 1544	09/25/25 0116	JAR

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Page 5 of 20



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CERTIFICATE OF ANALYSIS

11I1366

Client Sample ID:	MW-313	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	09/15/2025 12:54
Lab Sample ID:	11I1366-07		

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	480	50	mg/L		09/17/25 1551	09/23/25 1603	BSS
SM 4500-H+ B-2011							
pH	6.6	0.5	pH	H4	09/17/25 1547	09/17/25 1649	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	2130	20.0	mg/L			09/29/25 1727	BMS
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B							
Aluminum, total	<0.050	0.050	mg/L		09/17/25 1544	09/25/25 0122	JAR
Iron, total	10.6	0.100	mg/L		09/17/25 1544	09/25/25 0122	JAR

Client Sample ID:	MW-335	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	09/15/2025 13:10
Lab Sample ID:	11I1366-08		

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	540	50	mg/L		09/17/25 1551	09/23/25 1603	BSS
SM 4500-H+ B-2011							
pH	6.4	0.5	pH	H4	09/17/25 1547	09/17/25 1649	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	2780	20.0	mg/L			09/29/25 1750	BMS
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B							
Aluminum, total	<0.050	0.050	mg/L		09/17/25 1544	09/25/25 0132	JAR
Iron, total	4.02	0.100	mg/L		09/17/25 1544	09/25/25 0132	JAR

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CERTIFICATE OF ANALYSIS

11I1366

Client Sample ID:	MW-344	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	09/15/2025 11:59
Lab Sample ID:	11I1366-09		

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	227	50	mg/L		09/17/25 1551	09/23/25 1603	BSS
SM 4500-H+ B-2011							
pH	5.7	0.5	pH	H4	09/17/25 1547	09/17/25 1649	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	2610	20.0	mg/L			09/29/25 1812	BMS
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B							
Aluminum, total	<0.050	0.050	mg/L		09/17/25 1544	09/25/25 0141	JAR
Iron, total	17.2	0.100	mg/L		09/17/25 1544	09/25/25 0141	JAR

Client Sample ID:	MW-380	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	09/15/2025 11:23
Lab Sample ID:	11I1366-10		

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	<50	50	mg/L		09/17/25 1551	09/23/25 1603	BSS
SM 4500-H+ B-2011							
pH	5.2	0.5	pH	H4	09/17/25 1547	09/17/25 1649	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	1890	20.0	mg/L			09/29/25 1834	BMS
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B							
Aluminum, total	1.81	0.050	mg/L		09/17/25 1544	09/25/25 0151	JAR
Iron, total	139	0.100	mg/L		09/17/25 1544	09/25/25 0151	JAR

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Page 7 of 20



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CERTIFICATE OF ANALYSIS

11I1366

Client Sample ID: MW-381
Sample Matrix: Aqueous
Lab Sample ID: 11I1366-11

Collected By: Whipple, Todd
Collection Date: 09/15/2025 12:33

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	256	50	mg/L		09/17/25 1551	09/23/25 1603	BSS
SM 4500-H+ B-2011							
pH	6.4	0.5	pH	H4	09/17/25 1547	09/17/25 1649	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	631	10.0	mg/L			09/25/25 0834	BMS
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B							
Aluminum, total	<0.050	0.050	mg/L		09/17/25 1544	09/25/25 0201	JAR
Iron, total	<0.100	0.100	mg/L		09/17/25 1544	09/25/25 0201	JAR

Client Sample ID: MW-382R
Sample Matrix: Aqueous
Lab Sample ID: 11I1366-12

Collected By: Whipple, Todd
Collection Date: 09/15/2025 12:14

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	398	50	mg/L		09/17/25 1551	09/23/25 1603	BSS
SM 4500-H+ B-2011							
pH	6.3	0.5	pH	H4	09/17/25 1547	09/17/25 1649	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	1420	10.0	mg/L			09/25/25 0856	BMS
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B							
Aluminum, total	<0.050	0.050	mg/L		09/17/25 1544	09/25/25 0208	JAR
Iron, total	1.19	0.100	mg/L		09/17/25 1544	09/25/25 0208	JAR



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CERTIFICATE OF ANALYSIS

111366

Client Sample ID:	GU-4AR	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	09/15/2025 8:35
Lab Sample ID:	111366-13		

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	92	50	mg/L		09/17/25 1551	09/23/25 1603	BSS
SM 4500-H+ B-2011							
pH	5.8	0.5	pH	H4	09/17/25 1547	09/17/25 1649	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	2750	20.0	mg/L			09/29/25 1857	BMS
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B							
Aluminum, total	<0.050	0.050	mg/L		09/17/25 1544	09/25/25 0218	JAR
Iron, total	203	0.100	mg/L		09/17/25 1544	09/25/25 0218	JAR

Client Sample ID:	MW-601	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	09/15/2025 8:45
Lab Sample ID:	111366-14		

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	241	50	mg/L		09/17/25 1551	09/23/25 1603	BSS
SM 4500-H+ B-2011							
pH	6.4	0.5	pH	H4	09/17/25 1547	09/17/25 1649	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	785	10.0	mg/L			09/25/25 0941	BMS



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CERTIFICATE OF ANALYSIS

11I1366

Client Sample ID:	MW-602	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	09/15/2025 9:10
Lab Sample ID:	11I1366-15		

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	80	50	mg/L		09/17/25 1551	09/23/25 1603	BSS
SM 4500-H+ B-2011							
pH	5.6	0.5	pH	H4	09/17/25 1547	09/17/25 1649	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	2200	20.0	mg/L			09/29/25 2004	BMS
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B							
Aluminum, total	<0.050	0.050	mg/L		09/17/25 1544	09/25/25 0227	JAR
Iron, total	107	0.100	mg/L		09/17/25 1544	09/25/25 0227	JAR

Client Sample ID:	MW-603	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	09/15/2025 10:03
Lab Sample ID:	11I1366-16		

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	393	50	mg/L		09/17/25 1551	09/23/25 1603	BSS
SM 4500-H+ B-2011							
pH	6.4	0.5	pH	H4	09/17/25 1547	09/17/25 1649	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	3210	20.0	mg/L			09/29/25 2026	BMS
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B							
Aluminum, total	<0.050	0.050	mg/L		09/17/25 1544	09/25/25 0237	JAR
Iron, total	49.6	0.100	mg/L		09/17/25 1544	09/25/25 0237	JAR

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Page 10 of 20



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CERTIFICATE OF ANALYSIS

111366

Client Sample ID:	MW-604	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	09/15/2025 9:36
Lab Sample ID:	111366-17		

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 2320 B-2011							
Alkalinity, as CaCO ₃	121	50	mg/L		09/17/25 1551	09/23/25 1603	BSS
SM 4500-H+ B-2011							
pH	5.8	0.5	pH	H4	09/17/25 1547	09/17/25 1649	BSS
Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9056A							
Sulfate	2650	20.0	mg/L			09/29/25 2048	BMS
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B							
Aluminum, total	<0.050	0.050	mg/L		09/17/25 1544	09/25/25 0258	JAR
Iron, total	84.2	0.100	mg/L		09/17/25 1544	09/25/25 0258	JAR

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Page 11 of 20



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1II1366

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
SM 2320 B-2011	1II1026	1II1026-BLK1	
		1II1366-01	MW-307
		1II1366-02	MW-312
		1II1366-03	MW-390
		1II1366-05	MW-303
		1II1366-04	MW-300
		1II1026-MSD1	1II1366-01
		1II1026-MS1	1II1366-01
		1II1366-06	MW-304
		1II1026-BS1	
Method	Batch	Laboratory ID	Client / Source ID
SM 4500-H+ B-2011	1II1028	1II1366-04	MW-300
		1II1366-06	MW-304
		1II1366-01	MW-307
		1II1366-02	MW-312
		1II1366-03	MW-390
		1II1028-SRM1	
		1II1028-DUP1	1II1356-01
		1II1028-SRM2	
Method	Batch	Laboratory ID	Client / Source ID
EPA 6010B	1II1043	1II1043-BLK1	
		1II1043-BS1	
		1II1366-01	MW-307
		1II1043-MS1	1II1366-01
		1II1043-MSD1	1II1366-01
		1II1043-PS1	1II1366-01
		1II1366-02	MW-312
		1II1366-03	MW-390
		1II1366-04	MW-300
		1II1366-05	MW-303
		1II1366-06	MW-304
		1II1366-07	MW-313
		1II1366-08	MW-335
		1II1366-09	MW-344
		1II1366-10	MW-380
		1II1366-11	MW-381
		1II1366-12	MW-382R
		1II1366-13	GU-4AR
		1II1366-15	MW-602
		1II1366-16	MW-603
Method	Batch	Laboratory ID	Client / Source ID
SM 4500-H+ B-2011	1II1044	1II1044-SRM2	
		1II1366-09	MW-344
		1II1366-08	MW-335
		1II1366-10	MW-380
		1II1366-13	GU-4AR

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CERTIFICATE OF ANALYSIS

1II1366

Method	Batch	Laboratory ID	Client / Source ID
SM 4500-H+ B-2011	1II1044	1II1044-DUP2	1II1366-16
		1II1366-07	MW-313
		1II1044-SRM1	
		1II1366-17	MW-604
		1II1366-14	MW-601
		1II1366-12	MW-382R
		1II1366-15	MW-602
		1II1366-16	MW-603
		1II1044-DUP1	1II1366-07
		1II1366-11	MW-381
Method	Batch	Laboratory ID	Client / Source ID
SM 2320 B-2011	1II1049	1II1366-07	MW-313
		1II1366-16	MW-603
		1II1366-15	MW-602
		1II1366-08	MW-335
		1II1049-MSD1	1II1366-07
		1II1049-MS1	1II1366-07
		1II1366-10	MW-380
		1II1049-BS1	
		1II1366-12	MW-382R
		1II1366-13	GU-4AR
		1II1049-BLK1	
		1II1366-17	MW-604
		1II1366-14	MW-601
		1II1366-11	MW-381
		1II1366-09	MW-344
Method	Batch	Laboratory ID	Client / Source ID
EPA 9056A	1II1638	1II1638-BLK1	
		1II1638-BS1	
		1II1638-BSD1	
		1II1638-MS1	1II1758-01
		1II1638-MSD1	1II1758-01
		1II1638-BLK2	
		1II1638-BS2	
		1II1638-BSD2	
		1II1638-MS2	1II1785-01
		1II1638-MSD2	1II1785-01
		1II1366-01	MW-307
		1II1366-02	MW-312
		1II1366-03	MW-390
		1II1366-05	MW-303
		1II1366-06	MW-304
		1II1366-11	MW-381
		1II1366-12	MW-382R
		1II1366-14	MW-601
Method	Batch	Laboratory ID	Client / Source ID
EPA 9056A	1II1682	1II1682-BLK1	
		1II1682-BS1	
		1II1682-BSD1	
		1II1366-04	MW-300

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1II1366

Method	Batch	Laboratory ID	Client / Source ID
EPA 9056A	1II1682	1II1366-07	MW-313
		1II1366-08	MW-335
		1II1366-09	MW-344
		1II1366-10	MW-380
		1II1366-13	GU-4AR
		1II1366-15	MW-602
		1II1366-16	MW-603
		1II1366-17	MW-604
		1II1682-MS1	1II1834-01
		1II1682-MSD1	1II1834-01
		1II1682-BLK2	
		1II1682-BS2	
		1II1682-BSD2	
		1II1682-MS2	4II0174-02
		1II1682-MSD2	4II0174-02

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1II1026 - Wet Chem Preparation - SM 2320 B-2011									
Blank (1II1026-BLK1)		Prepared: 09/17/25 14:26 Analyzed: 09/23/25 14:32							
Alkalinity, as CaCO ₃	<10	10	mg/L						
LCS (1II1026-BS1)		Prepared: 09/17/25 14:26 Analyzed: 09/23/25 14:32							
Alkalinity, as CaCO ₃	50.8	10	mg/L	50.0		102		84-116	
Matrix Spike (1II1026-MS1)		Source: 1II1366-01 Prepared: 09/17/25 14:26 Analyzed: 09/23/25 14:32							
Alkalinity, as CaCO ₃	363	50	mg/L	250	45.7	127		70-130	
Matrix Spike Dup (1II1026-MSD1)		Source: 1II1366-01 Prepared: 09/17/25 14:26 Analyzed: 09/23/25 14:32							
Alkalinity, as CaCO ₃	356	50	mg/L	250	45.7	124		70-130	2.10 10

Batch 1II1028 - Wet Chem Preparation - SM 4500-H+ B-2011

Duplicate (1II1028-DUP1)		Source: 1II1356-01		Prepared: 09/17/25 14:28 Analyzed: 09/17/25 16:52					
pH	7.2	0.5	pH	7.2			0.0693	10	
Reference (1II1028-SRM1)		Prepared: 09/17/25 14:28 Analyzed: 09/17/25 16:52							
pH	6.9	0.5	pH	7.00		99.2		98.6-101.4	
Reference (1II1028-SRM2)		Prepared: 09/17/25 14:28 Analyzed: 09/17/25 16:52							
pH	7.0	0.5	pH	7.00		99.6		98.6-101.4	

Batch 1II1044 - Wet Chem Preparation - SM 4500-H+ B-2011

Duplicate (1II1044-DUP1)		Source: 1II1366-07		Prepared: 09/17/25 15:47 Analyzed: 09/17/25 16:49					
pH	6.6	0.5	pH	6.6			0.0758	10	
Duplicate (1II1044-DUP2)		Source: 1II1366-16		Prepared: 09/17/25 15:47 Analyzed: 09/17/25 16:49					
pH	6.4	0.5	pH	6.4			0.0786	10	



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11I1366

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1044 - Wet Chem Preparation - SM 4500-H+ B-2011										
Reference (11I1044-SRM1)				Prepared: 09/17/25 15:47 Analyzed: 09/17/25 16:49						
pH	6.9	0.5	pH	7.00		99.1	98.6-101.4			
Reference (11I1044-SRM2)				Prepared: 09/17/25 15:47 Analyzed: 09/17/25 16:49						
pH	7.0	0.5	pH	7.00		100	98.6-101.4			
Batch 11I1049 - Wet Chem Preparation - SM 2320 B-2011										
Blank (11I1049-BLK1)				Prepared: 09/17/25 15:51 Analyzed: 09/23/25 16:03						
Alkalinity, as CaCO ₃	<10	10	mg/L							
LCS (11I1049-BS1)				Prepared: 09/17/25 15:51 Analyzed: 09/23/25 16:03						
Alkalinity, as CaCO ₃	51.4	10	mg/L	50.0		103	84-116			
Matrix Spike (11I1049-MS1)				Source: 11I1366-07 Prepared: 09/17/25 15:51 Analyzed: 09/23/25 16:03						
Alkalinity, as CaCO ₃	780	50	mg/L	250	480	120	70-130			
Matrix Spike Dup (11I1049-MSD1)				Source: 11I1366-07 Prepared: 09/17/25 15:51 Analyzed: 09/23/25 16:03						
Alkalinity, as CaCO ₃	764	50	mg/L	250	480	114	70-130	2.07	10	
Determination of Inorganic Anions	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1638 - General Prep HPLC/IC - EPA 9056A										
Blank (11I1638-BLK1)				Prepared & Analyzed: 09/24/25 12:27						
Sulfate	<1.0	1.0	mg/L							
Blank (11I1638-BLK2)				Prepared & Analyzed: 09/25/25 00:00						
Sulfate	<1.0	1.0	mg/L							
LCS (11I1638-BS1)				Prepared & Analyzed: 09/24/25 12:50						
Sulfate	36.15	1.0	mg/L	33.9		107	80-120			
LCS (11I1638-BS2)				Prepared & Analyzed: 09/25/25 00:22						
Sulfate	36.37	1.0	mg/L	33.9		107	80-120			
LCS Dup (11I1638-BSD1)				Prepared & Analyzed: 09/24/25 13:12						
Sulfate	36.22	1.0	mg/L	33.9		107	80-120	0.199	10	
LCS Dup (11I1638-BSD2)				Prepared & Analyzed: 09/25/25 00:45						
Sulfate	36.43	1.0	mg/L	33.9		107	80-120	0.166	10	
Matrix Spike (11I1638-MS1)				Source: 11I1758-01 Prepared & Analyzed: 09/24/25 18:02						
Sulfate	1892	5.0	mg/L	170	1852	23.9	87-113			M2
Matrix Spike (11I1638-MS2)				Source: 11I1785-01 Prepared & Analyzed: 09/25/25 01:52						
Sulfate	235.5	5.0	mg/L	170	39.57	116	87-113			M1
Matrix Spike Dup (11I1638-MSD1)				Source: 11I1758-01 Prepared & Analyzed: 09/24/25 18:25						
Sulfate	1924	5.0	mg/L	170	1852	42.6	87-113	1.66	10	M2
Matrix Spike Dup (11I1638-MSD2)				Source: 11I1785-01 Prepared & Analyzed: 09/25/25 02:14						

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CERTIFICATE OF ANALYSIS

11I1366

Determination of Inorganic Anions	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1638 - General Prep HPLC/IC - EPA 9056A										
Matrix Spike Dup (11I1638-MSD2)	Source: 11I1785-01		Prepared & Analyzed: 09/25/25 02:14							
Sulfate	223.0	5.0	mg/L	170	39.57	108	87-113	5.45	10	
Batch 11I1682 - General Prep HPLC/IC - EPA 9056A										
Blank (11I1682-BLK1)	Prepared & Analyzed: 09/29/25 13:22									
Sulfate	<1.0	1.0	mg/L							
Blank (11I1682-BLK2)	Prepared & Analyzed: 09/30/25 01:17									
Sulfate	<1.0	1.0	mg/L							
LCS (11I1682-BS1)	Prepared & Analyzed: 09/29/25 13:44									
Sulfate	37.29	1.0	mg/L	33.9		110	80-120			
LCS (11I1682-BS2)	Prepared & Analyzed: 09/30/25 01:39									
Sulfate	37.25	1.0	mg/L	33.9		110	80-120			
LCS Dup (11I1682-BSD1)	Prepared & Analyzed: 09/29/25 14:06									
Sulfate	37.16	1.0	mg/L	33.9		110	80-120	0.343	10	
LCS Dup (11I1682-BSD2)	Prepared & Analyzed: 09/30/25 02:01									
Sulfate	37.22	1.0	mg/L	33.9		110	80-120	0.0886	10	
Matrix Spike (11I1682-MS1)	Source: 11I1834-01		Prepared & Analyzed: 09/29/25 23:47							
Sulfate	360.3	5.0	mg/L	170	170.4	112	87-113			
Matrix Spike (11I1682-MS2)	Source: 4I10174-02		Prepared & Analyzed: 09/30/25 04:38							
Sulfate	447.4	5.0	mg/L	170	221.7	133	87-113			M1
Matrix Spike Dup (11I1682-MSD1)	Source: 11I1834-01		Prepared & Analyzed: 09/30/25 00:10							
Sulfate	389.3	5.0	mg/L	170	170.4	129	87-113	7.75	10	M1
Matrix Spike Dup (11I1682-MSD2)	Source: 4I10174-02		Prepared & Analyzed: 09/30/25 05:00							
Sulfate	418.2	5.0	mg/L	170	221.7	116	87-113	6.75	10	M1
Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1043 - EPA 3010A Digestion (Water) - EPA 6010B										
Blank (11I1043-BLK1)	Prepared: 09/17/25 15:44 Analyzed: 09/24/25 23:37									
Aluminum, total	<0.050	0.050	mg/L							
Iron, total	<0.100	0.100	mg/L							
LCS (11I1043-BS1)	Prepared: 09/17/25 15:44 Analyzed: 09/24/25 23:43									
Aluminum, total	2.28	0.050	mg/L	2.20		103	80-120			
Iron, total	2.32	0.100	mg/L	2.21		105	80-120			
Matrix Spike (11I1043-MS1)	Source: 11I1366-01		Prepared: 09/17/25 15:44 Analyzed: 09/24/25 23:59							
Aluminum, total	2.35	0.050	mg/L	2.20	0.0904	102	75-125			
Iron, total	231	0.100	mg/L	2.21	230	64.2	75-125			M6
Matrix Spike Dup (11I1043-MSD1)	Source: 11I1366-01		Prepared: 09/17/25 15:44 Analyzed: 09/25/25 00:09							
Aluminum, total	2.40	0.050	mg/L	2.20	0.0904	105	75-125	2.24	20	

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CERTIFICATE OF ANALYSIS

11I1366

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1043 - EPA 3010A Digestion (Water) - EPA 6010B										
Matrix Spike Dup (11I1043-MSD1)	Source: 11I1366-01			Prepared: 09/17/25 15:44 Analyzed: 09/25/25 00:09						
Iron, total	239	0.100	mg/L	2.21	230	422	75-125	3.36	20	M6
Post Spike (11I1043-PS1)	Source: 11I1366-01			Prepared: 09/17/25 15:44 Analyzed: 09/25/25 00:19						
Aluminum, total	9.48		mg/L	8.82	0.0904	106	80-120			
Iron, total	263		mg/L	8.82	230	371	80-120			M6

Definitions

H4:	The test was performed outside of the EPA recommended holding time of 15 minutes.
M1:	Matrix spike recovery is above acceptance limits.
M2:	Matrix spike recovery is below acceptance limits.
M6:	Matrix spike recovery is outside of acceptance limits. The analyte concentration is greater than 4X the spiking level.
RL:	Reporting Limit
RPD:	Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 1.1°C

Cooler Inspection Checklist

Custody Seals	No	Containers Intact	Yes
COC/Labels Agree	Yes	Preservation Confirmed	No
Received On Ice	Yes		

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.

Reviewed and Approved By:

Sue Thompson

Sue Thompson
Client Services Manager
09/30/25 17:43

CHAIN OF CUSTODY RECORD



600 East 17th Street South
Newton, IA 50208
Phone: 641-792-8451

Page 1 of 4

Printed: 8/27/2025 2:10:03PM

Page 18 of 20

SITE INFORMATION

Sampler: TODD WHIPPLE
Project: **SCISWA - AMD**
6009

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Rick Hurt
South Central IA Solid Waste Agency
1736 Highway T17
Tracy, IA 50256

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY



1 I I 1 3 6 6

HLW Engineering
PM: Heather Murphy

Temperature: 1.16 °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
01-001	MW-307	Aqueous	GRAB	9/15/25	8:16	2	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w 01
02-001	MW-312	Aqueous	GRAB	9/15/25	10:34	2	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w 02
03-001	MW-390	Aqueous	GRAB	9/15/25	8:00	2	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w 03
04-001	MW-300	Aqueous	GRAB	9/15/25	11:42	2	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w 04
05-001	MW-303	Aqueous	GRAB	9/15/25	13:27	2	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w 05
06-001	MW-304	Aqueous	GRAB	9/15/25	13:44	2	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w 06

Relinquished By Todd WhippleDate/Time 9/17/25Relinquished By [Signature]Date/Time 9-17-25 9:35

Received By

Date/Time

Received for Lab By

Date/Time

Remarks:

CHAIN OF CUSTODY RECORD



600 East 17th Street South
Newton, IA 50208
Phone: 641-792-8451

Page 2 of 43

Printed: 8/27/2025 2:10:03PM

Page 19 of 20

SITE INFORMATION

Sampler: TODD WHIPPLE
Project: SCISWA - AMD
6009

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Rick Hurt
South Central IA Solid Waste Agency
1736 Highway T17
Tracy, IA 50256

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY



1 I I 1 3 6 6

HLW Engineering
PM: Heather Murphy

Temperature: 11.1 °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
07-001	MW-313	Aqueous	GRAB	9/15/25	12:54	2	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w 07
08-001	MW-335	Aqueous	GRAB	9/15/25	13:10	2	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w 08
09-001	MW-344	Aqueous	GRAB	9/15/25	11:59	2	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w 09
10-001	MW-380	Aqueous	GRAB	9/15/25	11:23	2	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w 10
11-001	MW-381	Aqueous	GRAB	9/15/25	12:33	2	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w 11
12-001	MW-382R	Aqueous	GRAB	9/15/25	12:14	2	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w 12

Relinquished By

Date/Time

Relinquished By

Date/Time

Received By

Date/Time

Received for Lab By

Date/Time

Remarks:

CHAIN OF CUSTODY RECORD



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Phone: 641-792-8451

Page 3 of 4

Printed: 8/27/2025 2:10:03PM

Page 20 of 20

SITE INFORMATION

Sampler: TODD WHIPPLE

Project: **SCISWA - AMD**
6009

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Rick Hurt
South Central IA Solid Waste Agency
1736 Highway T17
Tracy, IA 50256

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY



HLW Engineering
PM: Heather Murphy

Temperature: 1.1 °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses		Lab Sample Number
13-001	GU-4AR	Aqueous	GRAB	<u>9/15/25</u>	<u>8:35</u>	<u>2</u>	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w	<u>13</u>
14-001	SW-1 <u>DRY</u>	Aqueous	GRAB	<u> </u>	<u> </u>	<u>0</u>	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w	<u>14</u>
15-001	MW-601	Aqueous	GRAB	<u>9/15/25</u>	<u>8:45</u>	<u>1*</u>	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w	<u>1514</u>
16-001	MW-602	Aqueous	GRAB	<u>9/15/25</u>	<u>9:10</u>	<u>2</u>	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w	<u>1615</u>
17-001	MW-603	Aqueous	GRAB	<u>9/15/25</u>	<u>10:03</u>	<u>2</u>	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w	<u>1714</u>
18-001	MW-604	Aqueous	GRAB	<u>9/15/25</u>	<u>9:36</u>	<u>2</u>	alk-caco3-2320 ph-4500 al-t-6010	fe-t-6010 so4-9056-w	<u>1817</u>

Relinquished By [Signature] Date/Time 9/17/25

Received By _____ Date/Time _____

Relinquished By _____ Date/Time _____

Received for Lab By [Signature] Date/Time 9-17-25 9:35

Remarks: Nitric container was not collected @ MW-601 due to a sample equipment error.



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1111427

Project Description

6009

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Friday, October 3, 2025

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

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

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1111427

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6009

Project / PO Number: N/A
Received: 09/17/2025
Reported: 10/03/2025

Sample Summary Report

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Client Matrix</u>	<u>Sample Type</u>	<u>Sample Begin</u>	<u>Sample Taken</u>	<u>Lab Received</u>
MW-307	1111427-01	Aqueous	GRAB		09/15/25 08:16	09/17/25 09:35
MW-312	1111427-02	Aqueous	GRAB		09/15/25 10:34	09/17/25 09:35
MW-390	1111427-03	Aqueous	GRAB		09/15/25 08:00	09/17/25 09:35
MW-300	1111427-04	Aqueous	GRAB		09/15/25 11:42	09/17/25 09:35
MW-303	1111427-05	Aqueous	GRAB		09/15/25 13:27	09/17/25 09:35
MW-304	1111427-06	Aqueous	GRAB		09/15/25 13:44	09/17/25 09:35
MW-313	1111427-07	Aqueous	GRAB		09/15/25 12:54	09/17/25 09:35
MW-335	1111427-08	Aqueous	GRAB		09/15/25 13:10	09/17/25 09:35
MW-344	1111427-09	Aqueous	GRAB		09/15/25 11:59	09/17/25 09:35
MW-380	1111427-10	Aqueous	GRAB		09/15/25 11:23	09/17/25 09:35
MW-381	1111427-11	Aqueous	GRAB		09/15/25 12:33	09/17/25 09:35
MW-382R	1111427-12	Aqueous	GRAB		09/15/25 12:14	09/17/25 09:35
GU-4AR	1111427-13	Aqueous	GRAB		09/15/25 08:35	09/17/25 09:35
Field Duplicate	1111427-14	Aqueous	GRAB		09/15/25 00:00	09/17/25 09:35
MW-601	1111427-15	Aqueous	GRAB		09/15/25 08:45	09/17/25 09:35
MW-602	1111427-16	Aqueous	GRAB		09/15/25 09:10	09/17/25 09:35
MW-604	1111427-17	Aqueous	GRAB		09/15/25 09:36	09/17/25 09:35
MW-603	1111427-18	Aqueous	GRAB		09/15/25 10:03	09/17/25 09:35



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1111427

Analytical Testing Parameters

Client Sample ID: MW-307
Sample Matrix: Aqueous
Lab Sample ID: 1111427-01

Collected By: Whipple, Todd
Collection Date: 09/15/2025 8:16

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Bromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Chloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Acetone	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Carbon Disulfide	3.2	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Chloroform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Benzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Dibromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Toluene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Xylenes, total	<2.0	2.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Styrene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF

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Page 3 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-307
Sample Matrix: Aqueous
Lab Sample ID: 1111427-01

Collected By: Whipple, Todd
Collection Date: 09/15/2025 8:16

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bromoform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1318	RAF
Surrogate: Dibromofluoromethane	101	Limit: 75-136	% Rec		09/18/25 0000	09/18/25 1318	RAF
Surrogate: Dibromofluoromethane	101	Limit: 57-128	% Rec		09/18/25 0000	09/18/25 1318	RAF
Surrogate: 1,2-Dichloroethane-d4	112	Limit: 49-135	% Rec		09/18/25 0000	09/18/25 1318	RAF
Surrogate: 1,2-Dichloroethane-d4	112	Limit: 61-142	% Rec		09/18/25 0000	09/18/25 1318	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		09/18/25 0000	09/18/25 1318	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		09/18/25 0000	09/18/25 1318	RAF
Surrogate: 4-Bromofluorobenzene	98.4	Limit: 77-114	% Rec		09/18/25 0000	09/18/25 1318	RAF
Surrogate: 4-Bromofluorobenzene	98.4	Limit: 80-116	% Rec		09/18/25 0000	09/18/25 1318	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 1530	09/20/25 0140	JAR
Arsenic, total	0.0026	0.0020	mg/L		09/18/25 1530	09/20/25 0140	JAR
Barium, total	0.0099	0.0010	mg/L		09/18/25 1530	09/20/25 0140	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0140	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1530	09/20/25 0140	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0140	JAR
Cobalt, total	0.0365	0.0005	mg/L		09/18/25 1530	09/20/25 0140	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0140	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0140	JAR
Nickel, total	0.0628	0.0050	mg/L		09/18/25 1530	09/20/25 0140	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0140	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0140	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0140	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0140	JAR
Zinc, total	0.311	0.0050	mg/L		09/18/25 1530	09/20/25 0140	JAR

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Page 4 of 57



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CERTIFICATE OF ANALYSIS

111427

Client Sample ID: MW-312
Sample Matrix: Aqueous
Lab Sample ID: 111427-02

Collected By: Whipple, Todd
Collection Date: 09/15/2025 10:34

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Bromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Chloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Acetone	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Chloroform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Benzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Dibromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Toluene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Xylenes, total	<2.0	2.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Styrene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Bromoform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF

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Page 5 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-312
Sample Matrix: Aqueous
Lab Sample ID: 1111427-02

Collected By: Whipple, Todd
Collection Date: 09/15/2025 10:34

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1343	RAF
Surrogate: Dibromofluoromethane	91.0	Limit: 57-128	% Rec		09/18/25 0000	09/18/25 1343	RAF
Surrogate: Dibromofluoromethane	91.0	Limit: 75-136	% Rec		09/18/25 0000	09/18/25 1343	RAF
Surrogate: 1,2-Dichloroethane-d4	90.6	Limit: 61-142	% Rec		09/18/25 0000	09/18/25 1343	RAF
Surrogate: 1,2-Dichloroethane-d4	90.6	Limit: 49-135	% Rec		09/18/25 0000	09/18/25 1343	RAF
Surrogate: Toluene-d8	96.8	Limit: 82-116	% Rec		09/18/25 0000	09/18/25 1343	RAF
Surrogate: Toluene-d8	96.8	Limit: 82-121	% Rec		09/18/25 0000	09/18/25 1343	RAF
Surrogate: 4-Bromofluorobenzene	93.7	Limit: 80-116	% Rec		09/18/25 0000	09/18/25 1343	RAF
Surrogate: 4-Bromofluorobenzene	93.7	Limit: 77-114	% Rec		09/18/25 0000	09/18/25 1343	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 1530	09/20/25 0155	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0155	JAR
Barium, total	0.0233	0.0010	mg/L		09/18/25 1530	09/20/25 0155	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0155	JAR
Cadmium, total	0.0002	0.0002	mg/L		09/18/25 1530	09/20/25 0155	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0155	JAR
Cobalt, total	0.0405	0.0005	mg/L		09/18/25 1530	09/20/25 0155	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0155	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0155	JAR
Nickel, total	0.0645	0.0050	mg/L		09/18/25 1530	09/20/25 0155	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0155	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0155	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0155	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0155	JAR
Zinc, total	0.0172	0.0050	mg/L		09/18/25 1530	09/20/25 0155	JAR

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Page 6 of 57



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CERTIFICATE OF ANALYSIS

111427

Client Sample ID: MW-390
Sample Matrix: Aqueous
Lab Sample ID: 111427-03

Collected By: Whipple, Todd
Collection Date: 09/15/2025 8:00

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Bromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Chloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Acetone	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Chloroform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Benzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Dibromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Toluene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Xylenes, total	<2.0	2.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Styrene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Bromoform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF

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Page 7 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-390
Sample Matrix: Aqueous
Lab Sample ID: 1111427-03

Collected By: Whipple, Todd
Collection Date: 09/15/2025 8:00

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1408	RAF
Surrogate: Dibromofluoromethane	90.6	Limit: 75-136	% Rec		09/18/25 0000	09/18/25 1408	RAF
Surrogate: Dibromofluoromethane	90.6	Limit: 57-128	% Rec		09/18/25 0000	09/18/25 1408	RAF
Surrogate: 1,2-Dichloroethane-d4	92.4	Limit: 49-135	% Rec		09/18/25 0000	09/18/25 1408	RAF
Surrogate: 1,2-Dichloroethane-d4	92.4	Limit: 61-142	% Rec		09/18/25 0000	09/18/25 1408	RAF
Surrogate: Toluene-d8	97.2	Limit: 82-121	% Rec		09/18/25 0000	09/18/25 1408	RAF
Surrogate: Toluene-d8	97.2	Limit: 82-116	% Rec		09/18/25 0000	09/18/25 1408	RAF
Surrogate: 4-Bromofluorobenzene	93.8	Limit: 77-114	% Rec		09/18/25 0000	09/18/25 1408	RAF
Surrogate: 4-Bromofluorobenzene	93.8	Limit: 80-116	% Rec		09/18/25 0000	09/18/25 1408	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 1530	09/20/25 0157	JAR
Arsenic, total	0.0166	0.0020	mg/L		09/18/25 1530	09/20/25 0157	JAR
Barium, total	0.0187	0.0010	mg/L		09/18/25 1530	09/20/25 0157	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0157	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1530	09/20/25 0157	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0157	JAR
Cobalt, total	0.0997	0.0005	mg/L		09/18/25 1530	09/20/25 0157	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0157	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0157	JAR
Nickel, total	0.0548	0.0050	mg/L		09/18/25 1530	09/20/25 0157	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0157	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0157	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0157	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0157	JAR
Zinc, total	0.137	0.0050	mg/L		09/18/25 1530	09/20/25 0157	JAR

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Page 8 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-300
Sample Matrix: Aqueous
Lab Sample ID: 1111427-04

Collected By: Whipple, Todd
Collection Date: 09/15/2025 11:42

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Bromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Chloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Acetone	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Chloroform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Benzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Dibromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Toluene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Xylenes, total	<2.0	2.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Styrene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Bromoform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF

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Page 9 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-300
Sample Matrix: Aqueous
Lab Sample ID: 1111427-04

Collected By: Whipple, Todd
Collection Date: 09/15/2025 11:42

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1434	RAF
Surrogate: Dibromofluoromethane	90.2	Limit: 75-136	% Rec		09/18/25 0000	09/18/25 1434	RAF
Surrogate: Dibromofluoromethane	90.2	Limit: 57-128	% Rec		09/18/25 0000	09/18/25 1434	RAF
Surrogate: 1,2-Dichloroethane-d4	93.2	Limit: 61-142	% Rec		09/18/25 0000	09/18/25 1434	RAF
Surrogate: 1,2-Dichloroethane-d4	93.2	Limit: 49-135	% Rec		09/18/25 0000	09/18/25 1434	RAF
Surrogate: Toluene-d8	95.5	Limit: 82-116	% Rec		09/18/25 0000	09/18/25 1434	RAF
Surrogate: Toluene-d8	95.5	Limit: 82-121	% Rec		09/18/25 0000	09/18/25 1434	RAF
Surrogate: 4-Bromofluorobenzene	94.0	Limit: 80-116	% Rec		09/18/25 0000	09/18/25 1434	RAF
Surrogate: 4-Bromofluorobenzene	94.0	Limit: 77-114	% Rec		09/18/25 0000	09/18/25 1434	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 1530	09/20/25 0200	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0200	JAR
Barium, total	0.0138	0.0010	mg/L		09/18/25 1530	09/20/25 0200	JAR
Beryllium, total	0.0027	0.0005	mg/L		09/18/25 1530	09/20/25 0200	JAR
Cadmium, total	0.0011	0.0002	mg/L		09/18/25 1530	09/20/25 0200	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0200	JAR
Cobalt, total	0.938	0.0005	mg/L		09/18/25 1530	09/20/25 0200	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0200	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0200	JAR
Nickel, total	1.12	0.0050	mg/L		09/18/25 1530	09/20/25 0200	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0200	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0200	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0200	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0200	JAR
Zinc, total	1.53	0.0050	mg/L		09/18/25 1530	09/20/25 0200	JAR

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Page 10 of 57



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CERTIFICATE OF ANALYSIS

111427

Client Sample ID: MW-303
Sample Matrix: Aqueous
Lab Sample ID: 111427-05

Collected By: Whipple, Todd
Collection Date: 09/15/2025 13:27

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Bromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Chloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Acetone	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Carbon Disulfide	1.5	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Chloroform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Benzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Dibromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Toluene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Xylenes, total	<2.0	2.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Styrene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Bromoform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF

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Page 11 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-303
Sample Matrix: Aqueous
Lab Sample ID: 1111427-05

Collected By: Whipple, Todd
Collection Date: 09/15/2025 13:27

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1459	RAF
Surrogate: Dibromofluoromethane	90.9	Limit: 57-128	% Rec		09/18/25 0000	09/18/25 1459	RAF
Surrogate: Dibromofluoromethane	90.9	Limit: 75-136	% Rec		09/18/25 0000	09/18/25 1459	RAF
Surrogate: 1,2-Dichloroethane-d4	92.9	Limit: 49-135	% Rec		09/18/25 0000	09/18/25 1459	RAF
Surrogate: 1,2-Dichloroethane-d4	92.9	Limit: 61-142	% Rec		09/18/25 0000	09/18/25 1459	RAF
Surrogate: Toluene-d8	96.9	Limit: 82-121	% Rec		09/18/25 0000	09/18/25 1459	RAF
Surrogate: Toluene-d8	96.9	Limit: 82-116	% Rec		09/18/25 0000	09/18/25 1459	RAF
Surrogate: 4-Bromofluorobenzene	94.0	Limit: 77-114	% Rec		09/18/25 0000	09/18/25 1459	RAF
Surrogate: 4-Bromofluorobenzene	94.0	Limit: 80-116	% Rec		09/18/25 0000	09/18/25 1459	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 1530	09/20/25 0202	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0202	JAR
Barium, total	0.0786	0.0010	mg/L		09/18/25 1530	09/20/25 0202	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0202	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1530	09/20/25 0202	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0202	JAR
Cobalt, total	0.0085	0.0005	mg/L		09/18/25 1530	09/20/25 0202	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0202	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0202	JAR
Nickel, total	0.0123	0.0050	mg/L		09/18/25 1530	09/20/25 0202	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0202	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0202	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0202	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0202	JAR
Zinc, total	0.0069	0.0050	mg/L		09/18/25 1530	09/20/25 0202	JAR

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Page 12 of 57



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CERTIFICATE OF ANALYSIS

111427

Client Sample ID: MW-304
Sample Matrix: Aqueous
Lab Sample ID: 111427-06

Collected By: Whipple, Todd
Collection Date: 09/15/2025 13:44

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Bromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Chloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Acetone	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Chloroform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Benzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Dibromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Toluene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Xylenes, total	<2.0	2.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Styrene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Bromoform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF

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Page 13 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-304
Sample Matrix: Aqueous
Lab Sample ID: 1111427-06

Collected By: Whipple, Todd
Collection Date: 09/15/2025 13:44

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1524	RAF
Surrogate: Dibromofluoromethane	102	Limit: 75-136	% Rec		09/18/25 0000	09/18/25 1524	RAF
Surrogate: Dibromofluoromethane	102	Limit: 57-128	% Rec		09/18/25 0000	09/18/25 1524	RAF
Surrogate: 1,2-Dichloroethane-d4	112	Limit: 49-135	% Rec		09/18/25 0000	09/18/25 1524	RAF
Surrogate: 1,2-Dichloroethane-d4	112	Limit: 61-142	% Rec		09/18/25 0000	09/18/25 1524	RAF
Surrogate: Toluene-d8	97.3	Limit: 82-121	% Rec		09/18/25 0000	09/18/25 1524	RAF
Surrogate: Toluene-d8	97.3	Limit: 82-116	% Rec		09/18/25 0000	09/18/25 1524	RAF
Surrogate: 4-Bromofluorobenzene	96.0	Limit: 80-116	% Rec		09/18/25 0000	09/18/25 1524	RAF
Surrogate: 4-Bromofluorobenzene	96.0	Limit: 77-114	% Rec		09/18/25 0000	09/18/25 1524	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 1530	09/20/25 0205	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0205	JAR
Barium, total	0.0747	0.0010	mg/L		09/18/25 1530	09/20/25 0205	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0205	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1530	09/20/25 0205	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0205	JAR
Cobalt, total	0.0008	0.0005	mg/L		09/18/25 1530	09/20/25 0205	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0205	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0205	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0205	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0205	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0205	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0205	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0205	JAR
Zinc, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0205	JAR

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Page 14 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-313
Sample Matrix: Aqueous
Lab Sample ID: 1111427-07

Collected By: Whipple, Todd
Collection Date: 09/15/2025 12:54

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Bromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Chloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Acetone	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Chloroform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Benzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Dibromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Toluene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Xylenes, total	<2.0	2.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Styrene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Bromoform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF

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Page 15 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-313
Sample Matrix: Aqueous
Lab Sample ID: 1111427-07

Collected By: Whipple, Todd
Collection Date: 09/15/2025 12:54

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1549	RAF
Surrogate: Dibromofluoromethane	92.3	Limit: 57-128	% Rec		09/18/25 0000	09/18/25 1549	RAF
Surrogate: Dibromofluoromethane	92.3	Limit: 75-136	% Rec		09/18/25 0000	09/18/25 1549	RAF
Surrogate: 1,2-Dichloroethane-d4	94.6	Limit: 49-135	% Rec		09/18/25 0000	09/18/25 1549	RAF
Surrogate: 1,2-Dichloroethane-d4	94.6	Limit: 61-142	% Rec		09/18/25 0000	09/18/25 1549	RAF
Surrogate: Toluene-d8	97.8	Limit: 82-121	% Rec		09/18/25 0000	09/18/25 1549	RAF
Surrogate: Toluene-d8	97.8	Limit: 82-116	% Rec		09/18/25 0000	09/18/25 1549	RAF
Surrogate: 4-Bromofluorobenzene	95.4	Limit: 77-114	% Rec		09/18/25 0000	09/18/25 1549	RAF
Surrogate: 4-Bromofluorobenzene	95.4	Limit: 80-116	% Rec		09/18/25 0000	09/18/25 1549	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 1530	09/20/25 0207	JAR
Arsenic, total	0.0109	0.0020	mg/L		09/18/25 1530	09/20/25 0207	JAR
Barium, total	0.0425	0.0010	mg/L		09/18/25 1530	09/20/25 0207	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0207	JAR
Cadmium, total	0.0005	0.0002	mg/L		09/18/25 1530	09/20/25 0207	JAR
Chromium, total	0.0011	0.0010	mg/L		09/18/25 1530	09/20/25 0207	JAR
Cobalt, total	0.0007	0.0005	mg/L		09/18/25 1530	09/20/25 0207	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0207	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0207	JAR
Nickel, total	0.0340	0.0050	mg/L		09/18/25 1530	09/20/25 0207	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0207	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0207	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0207	JAR
Vanadium, total	0.0109	0.0020	mg/L		09/18/25 1530	09/20/25 0207	JAR
Zinc, total	0.0179	0.0050	mg/L		09/18/25 1530	09/20/25 0207	JAR

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Page 16 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-335
Sample Matrix: Aqueous
Lab Sample ID: 1111427-08

Collected By: Whipple, Todd
Collection Date: 09/15/2025 13:10

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Bromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Chloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Acetone	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Chloroform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Benzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Dibromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Toluene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Xylenes, total	<2.0	2.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Styrene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Bromoform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF

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Page 17 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-335
Sample Matrix: Aqueous
Lab Sample ID: 1111427-08

Collected By: Whipple, Todd
Collection Date: 09/15/2025 13:10

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1615	RAF
Surrogate: Dibromofluoromethane	92.6	Limit: 57-128	% Rec		09/18/25 0000	09/18/25 1615	RAF
Surrogate: Dibromofluoromethane	92.6	Limit: 75-136	% Rec		09/18/25 0000	09/18/25 1615	RAF
Surrogate: 1,2-Dichloroethane-d4	93.9	Limit: 61-142	% Rec		09/18/25 0000	09/18/25 1615	RAF
Surrogate: 1,2-Dichloroethane-d4	93.9	Limit: 49-135	% Rec		09/18/25 0000	09/18/25 1615	RAF
Surrogate: Toluene-d8	100	Limit: 82-116	% Rec		09/18/25 0000	09/18/25 1615	RAF
Surrogate: Toluene-d8	100	Limit: 82-121	% Rec		09/18/25 0000	09/18/25 1615	RAF
Surrogate: 4-Bromofluorobenzene	93.9	Limit: 80-116	% Rec		09/18/25 0000	09/18/25 1615	RAF
Surrogate: 4-Bromofluorobenzene	93.9	Limit: 77-114	% Rec		09/18/25 0000	09/18/25 1615	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 1530	09/20/25 0210	JAR
Arsenic, total	0.0041	0.0020	mg/L		09/18/25 1530	09/20/25 0210	JAR
Barium, total	0.0114	0.0010	mg/L		09/18/25 1530	09/20/25 0210	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0210	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1530	09/20/25 0210	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0210	JAR
Cobalt, total	0.0141	0.0005	mg/L		09/18/25 1530	09/20/25 0210	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0210	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0210	JAR
Nickel, total	0.0363	0.0050	mg/L		09/18/25 1530	09/20/25 0210	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0210	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0210	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0210	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0210	JAR
Zinc, total	0.0295	0.0050	mg/L		09/18/25 1530	09/20/25 0210	JAR

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Page 18 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-344
Sample Matrix: Aqueous
Lab Sample ID: 1111427-09

Collected By: Whipple, Todd
Collection Date: 09/15/2025 11:59

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Bromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Chloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Acetone	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
cis-1,2-Dichloroethylene	1.6	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Chloroform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Benzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Dibromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Toluene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Xylenes, total	<2.0	2.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Styrene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Bromoform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF

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Page 19 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-344
Sample Matrix: Aqueous
Lab Sample ID: 1111427-09

Collected By: Whipple, Todd
Collection Date: 09/15/2025 11:59

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1640	RAF
Surrogate: Dibromofluoromethane	93.3	Limit: 75-136	% Rec		09/18/25 0000	09/18/25 1640	RAF
Surrogate: Dibromofluoromethane	93.3	Limit: 57-128	% Rec		09/18/25 0000	09/18/25 1640	RAF
Surrogate: 1,2-Dichloroethane-d4	95.1	Limit: 61-142	% Rec		09/18/25 0000	09/18/25 1640	RAF
Surrogate: 1,2-Dichloroethane-d4	95.1	Limit: 49-135	% Rec		09/18/25 0000	09/18/25 1640	RAF
Surrogate: Toluene-d8	97.2	Limit: 82-121	% Rec		09/18/25 0000	09/18/25 1640	RAF
Surrogate: Toluene-d8	97.2	Limit: 82-116	% Rec		09/18/25 0000	09/18/25 1640	RAF
Surrogate: 4-Bromofluorobenzene	95.0	Limit: 77-114	% Rec		09/18/25 0000	09/18/25 1640	RAF
Surrogate: 4-Bromofluorobenzene	95.0	Limit: 80-116	% Rec		09/18/25 0000	09/18/25 1640	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 1530	09/20/25 0212	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0212	JAR
Barium, total	0.0125	0.0010	mg/L		09/18/25 1530	09/20/25 0212	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0212	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1530	09/20/25 0212	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0212	JAR
Cobalt, total	0.167	0.0005	mg/L		09/18/25 1530	09/20/25 0212	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0212	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0212	JAR
Nickel, total	0.136	0.0050	mg/L		09/18/25 1530	09/20/25 0212	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0212	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0212	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0212	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0212	JAR
Zinc, total	0.0229	0.0050	mg/L		09/18/25 1530	09/20/25 0212	JAR

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Page 20 of 57



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CERTIFICATE OF ANALYSIS

111427

Client Sample ID: MW-380
Sample Matrix: Aqueous
Lab Sample ID: 111427-10

Collected By: Whipple, Todd
Collection Date: 09/15/2025 11:23

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Bromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Chloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Acetone	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Carbon Disulfide	1.7	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Chloroform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Benzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Dibromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Toluene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Xylenes, total	<2.0	2.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Styrene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Bromoform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF

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Page 21 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-380
Sample Matrix: Aqueous
Lab Sample ID: 1111427-10

Collected By: Whipple, Todd
Collection Date: 09/15/2025 11:23

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1705	RAF
Surrogate: Dibromofluoromethane	93.0	Limit: 57-128	% Rec		09/18/25 0000	09/18/25 1705	RAF
Surrogate: Dibromofluoromethane	93.0	Limit: 75-136	% Rec		09/18/25 0000	09/18/25 1705	RAF
Surrogate: 1,2-Dichloroethane-d4	94.6	Limit: 49-135	% Rec		09/18/25 0000	09/18/25 1705	RAF
Surrogate: 1,2-Dichloroethane-d4	94.6	Limit: 61-142	% Rec		09/18/25 0000	09/18/25 1705	RAF
Surrogate: Toluene-d8	97.4	Limit: 82-121	% Rec		09/18/25 0000	09/18/25 1705	RAF
Surrogate: Toluene-d8	97.4	Limit: 82-116	% Rec		09/18/25 0000	09/18/25 1705	RAF
Surrogate: 4-Bromofluorobenzene	94.3	Limit: 77-114	% Rec		09/18/25 0000	09/18/25 1705	RAF
Surrogate: 4-Bromofluorobenzene	94.3	Limit: 80-116	% Rec		09/18/25 0000	09/18/25 1705	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 1530	09/20/25 0220	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0220	JAR
Barium, total	0.0126	0.0010	mg/L		09/18/25 1530	09/20/25 0220	JAR
Beryllium, total	0.0018	0.0005	mg/L		09/18/25 1530	09/20/25 0220	JAR
Cadmium, total	0.0077	0.0002	mg/L		09/18/25 1530	09/20/25 0220	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0220	JAR
Cobalt, total	0.314	0.0005	mg/L		09/18/25 1530	09/20/25 0220	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0220	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0220	JAR
Nickel, total	0.485	0.0050	mg/L		09/18/25 1530	09/20/25 0220	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0220	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0220	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0220	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0220	JAR
Zinc, total	2.93	0.0500	mg/L		09/18/25 1530	09/22/25 1100	JAR

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Page 22 of 57



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CERTIFICATE OF ANALYSIS

111427

Client Sample ID: MW-381
Sample Matrix: Aqueous
Lab Sample ID: 111427-11

Collected By: Whipple, Todd
Collection Date: 09/15/2025 12:33

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Bromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Chloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Acetone	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Chloroform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Benzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Dibromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Toluene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Xylenes, total	<2.0	2.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Styrene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Bromoform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF

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Page 23 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-381
Sample Matrix: Aqueous
Lab Sample ID: 1111427-11

Collected By: Whipple, Todd
Collection Date: 09/15/2025 12:33

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1730	RAF
Surrogate: Dibromofluoromethane	105	Limit: 75-136	% Rec		09/18/25 0000	09/18/25 1730	RAF
Surrogate: Dibromofluoromethane	105	Limit: 57-128	% Rec		09/18/25 0000	09/18/25 1730	RAF
Surrogate: 1,2-Dichloroethane-d4	118	Limit: 49-135	% Rec		09/18/25 0000	09/18/25 1730	RAF
Surrogate: 1,2-Dichloroethane-d4	118	Limit: 61-142	% Rec		09/18/25 0000	09/18/25 1730	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/18/25 0000	09/18/25 1730	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/18/25 0000	09/18/25 1730	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 77-114	% Rec		09/18/25 0000	09/18/25 1730	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 80-116	% Rec		09/18/25 0000	09/18/25 1730	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 1530	09/20/25 0222	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0222	JAR
Barium, total	0.0140	0.0010	mg/L		09/18/25 1530	09/20/25 0222	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0222	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1530	09/20/25 0222	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0222	JAR
Cobalt, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0222	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0222	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0222	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0222	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0222	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0222	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0222	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0222	JAR
Zinc, total	0.0075	0.0050	mg/L		09/18/25 1530	09/20/25 0222	JAR

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Page 24 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-382R
Sample Matrix: Aqueous
Lab Sample ID: 1111427-12

Collected By: Whipple, Todd
Collection Date: 09/15/2025 12:14

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Bromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Chloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Acetone	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Carbon Disulfide	1.5	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
1,1-Dichloroethane	1.2	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Chloroform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Benzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Dibromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Toluene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Xylenes, total	<2.0	2.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Styrene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Bromoform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF

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Page 25 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-382R
Sample Matrix: Aqueous
Lab Sample ID: 1111427-12

Collected By: Whipple, Todd
Collection Date: 09/15/2025 12:14

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1756	RAF
Surrogate: Dibromofluoromethane	93.5	Limit: 75-136	% Rec		09/18/25 0000	09/18/25 1756	RAF
Surrogate: Dibromofluoromethane	93.5	Limit: 57-128	% Rec		09/18/25 0000	09/18/25 1756	RAF
Surrogate: 1,2-Dichloroethane-d4	95.0	Limit: 61-142	% Rec		09/18/25 0000	09/18/25 1756	RAF
Surrogate: 1,2-Dichloroethane-d4	95.0	Limit: 49-135	% Rec		09/18/25 0000	09/18/25 1756	RAF
Surrogate: Toluene-d8	97.2	Limit: 82-116	% Rec		09/18/25 0000	09/18/25 1756	RAF
Surrogate: Toluene-d8	97.2	Limit: 82-121	% Rec		09/18/25 0000	09/18/25 1756	RAF
Surrogate: 4-Bromofluorobenzene	94.7	Limit: 80-116	% Rec		09/18/25 0000	09/18/25 1756	RAF
Surrogate: 4-Bromofluorobenzene	94.7	Limit: 77-114	% Rec		09/18/25 0000	09/18/25 1756	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 1530	09/20/25 0225	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0225	JAR
Barium, total	0.0243	0.0010	mg/L		09/18/25 1530	09/20/25 0225	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0225	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1530	09/20/25 0225	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0225	JAR
Cobalt, total	0.0040	0.0005	mg/L		09/18/25 1530	09/20/25 0225	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0225	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0225	JAR
Nickel, total	0.0081	0.0050	mg/L		09/18/25 1530	09/20/25 0225	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0225	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0225	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0225	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0225	JAR
Zinc, total	0.0081	0.0050	mg/L		09/18/25 1530	09/20/25 0225	JAR

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Page 26 of 57



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CERTIFICATE OF ANALYSIS

111427

Client Sample ID: GU-4AR
Sample Matrix: Aqueous
Lab Sample ID: 111427-13

Collected By: Whipple, Todd
Collection Date: 09/15/2025 8:35

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Bromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Chloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Acetone	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Chloroform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Benzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Dibromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Toluene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Xylenes, total	<2.0	2.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Styrene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Bromoform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF

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Page 27 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: GU-4AR
Sample Matrix: Aqueous
Lab Sample ID: 1111427-13

Collected By: Whipple, Todd
Collection Date: 09/15/2025 8:35

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1821	RAF
Surrogate: Dibromofluoromethane	92.7	Limit: 57-128	% Rec		09/18/25 0000	09/18/25 1821	RAF
Surrogate: Dibromofluoromethane	92.7	Limit: 75-136	% Rec		09/18/25 0000	09/18/25 1821	RAF
Surrogate: 1,2-Dichloroethane-d4	95.1	Limit: 61-142	% Rec		09/18/25 0000	09/18/25 1821	RAF
Surrogate: 1,2-Dichloroethane-d4	95.1	Limit: 49-135	% Rec		09/18/25 0000	09/18/25 1821	RAF
Surrogate: Toluene-d8	99.1	Limit: 82-116	% Rec		09/18/25 0000	09/18/25 1821	RAF
Surrogate: Toluene-d8	99.1	Limit: 82-121	% Rec		09/18/25 0000	09/18/25 1821	RAF
Surrogate: 4-Bromofluorobenzene	93.8	Limit: 80-116	% Rec		09/18/25 0000	09/18/25 1821	RAF
Surrogate: 4-Bromofluorobenzene	93.8	Limit: 77-114	% Rec		09/18/25 0000	09/18/25 1821	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 1530	09/20/25 0228	JAR
Arsenic, total	0.0027	0.0020	mg/L		09/18/25 1530	09/20/25 0228	JAR
Barium, total	0.0110	0.0010	mg/L		09/18/25 1530	09/20/25 0228	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0228	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1530	09/20/25 0228	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0228	JAR
Cobalt, total	0.0500	0.0005	mg/L		09/18/25 1530	09/20/25 0228	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0228	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0228	JAR
Nickel, total	0.0987	0.0050	mg/L		09/18/25 1530	09/20/25 0228	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0228	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0228	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0228	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0228	JAR
Zinc, total	0.242	0.0050	mg/L		09/18/25 1530	09/20/25 0228	JAR

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Page 28 of 57



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CERTIFICATE OF ANALYSIS

111427

Client Sample ID: Field Duplicate

Sample Matrix: Aqueous

Lab Sample ID: 111427-14

Collected By: Whipple, Todd

Collection Date: 09/15/2025

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0230	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0230	JAR
Barium, total	0.0114	0.0010	mg/L		09/18/25 1530	09/20/25 0230	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0230	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1530	09/20/25 0230	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0230	JAR
Cobalt, total	0.245	0.0005	mg/L		09/18/25 1530	09/20/25 0230	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0230	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0230	JAR
Nickel, total	0.356	0.0050	mg/L		09/18/25 1530	09/20/25 0230	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0230	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0230	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0230	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0230	JAR
Zinc, total	0.189	0.0050	mg/L		09/18/25 1530	09/20/25 0230	JAR

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Page 29 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-601
Sample Matrix: Aqueous
Lab Sample ID: 1111427-15

Collected By: Whipple, Todd
Collection Date: 09/15/2025 8:45

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Bromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Chloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Acetone	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Chloroform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Benzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Dibromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Toluene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Xylenes, total	<2.0	2.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Styrene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Bromoform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF

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Page 30 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-601
Sample Matrix: Aqueous
Lab Sample ID: 1111427-15

Collected By: Whipple, Todd
Collection Date: 09/15/2025 8:45

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1846	RAF
Surrogate: Dibromofluoromethane	93.9	Limit: 57-128	% Rec		09/18/25 0000	09/18/25 1846	RAF
Surrogate: Dibromofluoromethane	93.9	Limit: 75-136	% Rec		09/18/25 0000	09/18/25 1846	RAF
Surrogate: 1,2-Dichloroethane-d4	96.6	Limit: 49-135	% Rec		09/18/25 0000	09/18/25 1846	RAF
Surrogate: 1,2-Dichloroethane-d4	96.6	Limit: 61-142	% Rec		09/18/25 0000	09/18/25 1846	RAF
Surrogate: Toluene-d8	97.9	Limit: 82-116	% Rec		09/18/25 0000	09/18/25 1846	RAF
Surrogate: Toluene-d8	97.9	Limit: 82-121	% Rec		09/18/25 0000	09/18/25 1846	RAF
Surrogate: 4-Bromofluorobenzene	94.7	Limit: 77-114	% Rec		09/18/25 0000	09/18/25 1846	RAF
Surrogate: 4-Bromofluorobenzene	94.7	Limit: 80-116	% Rec		09/18/25 0000	09/18/25 1846	RAF

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Page 31 of 57



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CERTIFICATE OF ANALYSIS

111427

Client Sample ID: MW-602
Sample Matrix: Aqueous
Lab Sample ID: 111427-16

Collected By: Whipple, Todd
Collection Date: 09/15/2025 9:10

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Bromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Chloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Acetone	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Chloroform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Benzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Dibromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Toluene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Xylenes, total	<2.0	2.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Styrene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Bromoform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF

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Page 32 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-602
Sample Matrix: Aqueous
Lab Sample ID: 1111427-16

Collected By: Whipple, Todd
Collection Date: 09/15/2025 9:10

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1911	RAF
Surrogate: Dibromofluoromethane	92.2	Limit: 57-128	% Rec		09/18/25 0000	09/18/25 1911	RAF
Surrogate: Dibromofluoromethane	92.2	Limit: 75-136	% Rec		09/18/25 0000	09/18/25 1911	RAF
Surrogate: 1,2-Dichloroethane-d4	96.6	Limit: 49-135	% Rec		09/18/25 0000	09/18/25 1911	RAF
Surrogate: 1,2-Dichloroethane-d4	96.6	Limit: 61-142	% Rec		09/18/25 0000	09/18/25 1911	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/18/25 0000	09/18/25 1911	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/18/25 0000	09/18/25 1911	RAF
Surrogate: 4-Bromofluorobenzene	94.2	Limit: 77-114	% Rec		09/18/25 0000	09/18/25 1911	RAF
Surrogate: 4-Bromofluorobenzene	94.2	Limit: 80-116	% Rec		09/18/25 0000	09/18/25 1911	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 1530	09/20/25 0233	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0233	JAR
Barium, total	0.0117	0.0010	mg/L		09/18/25 1530	09/20/25 0233	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0233	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1530	09/20/25 0233	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0233	JAR
Cobalt, total	0.252	0.0005	mg/L		09/18/25 1530	09/20/25 0233	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0233	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0233	JAR
Nickel, total	0.367	0.0050	mg/L		09/18/25 1530	09/20/25 0233	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0233	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0233	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0233	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0233	JAR
Zinc, total	0.199	0.0050	mg/L		09/18/25 1530	09/20/25 0233	JAR

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Page 33 of 57



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

111427

Client Sample ID: MW-604
Sample Matrix: Aqueous
Lab Sample ID: 111427-17

Collected By: Whipple, Todd
Collection Date: 09/15/2025 9:36

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Bromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Chloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Acetone	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Carbon Disulfide	1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Chloroform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Benzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Dibromomethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Toluene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Xylenes, total	<2.0	2.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Styrene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Bromoform	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF

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Page 34 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-604
Sample Matrix: Aqueous
Lab Sample ID: 1111427-17

Collected By: Whipple, Todd
Collection Date: 09/15/2025 9:36

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/18/25 0000	09/18/25 1937	RAF
Surrogate: Dibromofluoromethane	95.5	Limit: 75-136	% Rec		09/18/25 0000	09/18/25 1937	RAF
Surrogate: Dibromofluoromethane	95.5	Limit: 57-128	% Rec		09/18/25 0000	09/18/25 1937	RAF
Surrogate: 1,2-Dichloroethane-d4	96.4	Limit: 61-142	% Rec		09/18/25 0000	09/18/25 1937	RAF
Surrogate: 1,2-Dichloroethane-d4	96.4	Limit: 49-135	% Rec		09/18/25 0000	09/18/25 1937	RAF
Surrogate: Toluene-d8	98.8	Limit: 82-121	% Rec		09/18/25 0000	09/18/25 1937	RAF
Surrogate: Toluene-d8	98.8	Limit: 82-116	% Rec		09/18/25 0000	09/18/25 1937	RAF
Surrogate: 4-Bromofluorobenzene	93.5	Limit: 80-116	% Rec		09/18/25 0000	09/18/25 1937	RAF
Surrogate: 4-Bromofluorobenzene	93.5	Limit: 77-114	% Rec		09/18/25 0000	09/18/25 1937	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 1530	09/20/25 0235	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0235	JAR
Barium, total	0.0151	0.0010	mg/L		09/18/25 1530	09/20/25 0235	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0235	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1530	09/20/25 0235	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0235	JAR
Cobalt, total	0.0938	0.0005	mg/L		09/18/25 1530	09/20/25 0235	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0235	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0235	JAR
Nickel, total	0.145	0.0050	mg/L		09/18/25 1530	09/20/25 0235	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0235	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0235	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0235	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0235	JAR
Zinc, total	0.0380	0.0050	mg/L		09/18/25 1530	09/20/25 0235	JAR

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Page 35 of 57



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CERTIFICATE OF ANALYSIS

111427

Client Sample ID: MW-603
Sample Matrix: Aqueous
Lab Sample ID: 111427-18

Collected By: Whipple, Todd
Collection Date: 09/15/2025 10:03

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Bromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Chloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Acetone	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Carbon Disulfide	2.4	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Chloroform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Benzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Dibromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Toluene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Xylenes, total	<2.0	2.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Styrene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Bromoform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF

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Page 36 of 57



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CERTIFICATE OF ANALYSIS

1111427

Client Sample ID: MW-603
Sample Matrix: Aqueous
Lab Sample ID: 1111427-18

Collected By: Whipple, Todd
Collection Date: 09/15/2025 10:03

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1903	RAF
Surrogate: Dibromofluoromethane	102	Limit: 57-128	% Rec		09/22/25 0000	09/22/25 1903	RAF
Surrogate: Dibromofluoromethane	102	Limit: 75-136	% Rec		09/22/25 0000	09/22/25 1903	RAF
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 61-142	% Rec		09/22/25 0000	09/22/25 1903	RAF
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 49-135	% Rec		09/22/25 0000	09/22/25 1903	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		09/22/25 0000	09/22/25 1903	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		09/22/25 0000	09/22/25 1903	RAF
Surrogate: 4-Bromofluorobenzene	94.2	Limit: 80-116	% Rec		09/22/25 0000	09/22/25 1903	RAF
Surrogate: 4-Bromofluorobenzene	94.2	Limit: 77-114	% Rec		09/22/25 0000	09/22/25 1903	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 1530	09/20/25 0238	JAR
Arsenic, total	0.0050	0.0020	mg/L		09/18/25 1530	09/20/25 0238	JAR
Barium, total	0.0213	0.0010	mg/L		09/18/25 1530	09/20/25 0238	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0238	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1530	09/20/25 0238	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0238	JAR
Cobalt, total	0.0115	0.0005	mg/L		09/18/25 1530	09/20/25 0238	JAR
Copper, total	<0.0050	0.0050	mg/L		09/30/25 1435	10/01/25 2035	RVV
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1530	09/20/25 0238	JAR
Nickel, total	0.0077	0.0050	mg/L		09/18/25 1530	09/20/25 0238	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0238	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1530	09/20/25 0238	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1530	09/20/25 0238	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1530	09/20/25 0238	JAR
Zinc, total	0.0233	0.0050	mg/L		09/18/25 1530	09/20/25 0238	JAR

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Page 37 of 57



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CERTIFICATE OF ANALYSIS

111427

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	111138	111138-BLK1	
		111138-BS1	
		111427-01	MW-307
		111138-MS1	111427-01
		111138-MSD1	111427-01
		111138-PS1	111427-01
		111427-02	MW-312
		111427-03	MW-390
		111427-04	MW-300
		111427-05	MW-303
		111427-06	MW-304
		111427-07	MW-313
		111427-08	MW-335
		111427-09	MW-344
		111427-10	MW-380
		111427-11	MW-381
		111427-12	MW-382R
		111427-13	GU-4AR
		111427-14	Field Duplicate
		111427-16	MW-602
		111427-17	MW-604
		111427-18	MW-603
		111138-BLK1	
		111427-10RE1	MW-380
Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	111144	111144-BS1	
		111144-BSD1	
		111144-BLK1	
		111427-01	MW-307
		111427-02	MW-312
		111427-03	MW-390
		111427-04	MW-300
		111427-05	MW-303
		111427-06	MW-304
		111427-07	MW-313
		111427-08	MW-335
		111427-09	MW-344
		111427-10	MW-380
		111427-11	MW-381
		111427-12	MW-382R
		111427-13	GU-4AR
		111427-15	MW-601
		111427-16	MW-602
		111427-17	MW-604
		111144-MS1	111427-01
		111144-MSD1	111427-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	111314	111314-BS1	
		111314-BSD1	

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CERTIFICATE OF ANALYSIS

1111427

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1111314	1111314-BLK1	
		1111427-18	MW-603
		1111314-MS1	1111428-01
		1111314-MSD1	1111428-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1111450	1111450-BLK1	
		1111450-BS1	
		1111450-MS1	1111940-01
		1111450-MSD1	1111940-01
		1111450-PS1	1111940-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1111723	1111723-BLK1	
		1111723-BS1	
		1111723-MS1	1110763-14RE1
		1111723-MSD1	1110763-14RE1
		1111723-PS1	1110763-14RE1
		1111427-18RE2	MW-603

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 1111144 - EPA 5030B - EPA 8260D										
Blank (1111144-BLK1)				Prepared: 09/18/25 00:00 Analyzed: 09/18/25 12:53						
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							

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111427

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 111144 - EPA 5030B - EPA 8260D										
Blank (111144-BLK1)				Prepared: 09/18/25 00:00 Analyzed: 09/18/25 12:53						
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							
Surrogate: Dibromofluoromethane	45.0		ug/L	50.2		89.6	75-136			
Surrogate: Dibromofluoromethane	45.0		ug/L	50.2		89.6	57-128			
Surrogate: 1,2-Dichloroethane-d4	45.0		ug/L	50.4		89.4	61-142			
Surrogate: 1,2-Dichloroethane-d4	45.0		ug/L	50.4		89.4	49-135			
Surrogate: Toluene-d8	48.5		ug/L	50.5		96.0	82-121			
Surrogate: Toluene-d8	48.5		ug/L	50.5		96.0	82-116			
Surrogate: 4-Bromofluorobenzene	47.4		ug/L	50.2		94.5	80-116			
Surrogate: 4-Bromofluorobenzene	47.4		ug/L	50.2		94.5	77-114			
LCS (111144-BS1)				Prepared: 09/18/25 00:00 Analyzed: 09/18/25 11:37						
Chloromethane	24.58	1.0	ug/L	30.3		81.1	63-155			
Vinyl Chloride	27.09	1.0	ug/L	30.2		89.6	70-154			
Bromomethane	27.12	1.0	ug/L	30.1		90.0	52-176			
Chloroethane	24.78	1.0	ug/L	30.3		81.7	72-148			
Trichlorofluoromethane	28.45	1.0	ug/L	30.3		93.9	70-152			
1,1-Dichloroethylene	42.24	1.0	ug/L	50.1		84.3	70-148			
Acetone	89.62	10.0	ug/L	100		89.6	43-172			
Methyl Iodide	102.1	1.0	ug/L	100		102	69-170			
Carbon Disulfide	82.49	1.0	ug/L	100		82.5	72-162			
Methylene Chloride	42.83	5.0	ug/L	50.1		85.5	68-142			

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111427

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 111144 - EPA 5030B - EPA 8260D										
LCS (111144-BS1)										
Prepared: 09/18/25 00:00 Analyzed: 09/18/25 11:37										
Acrylonitrile	47.46	5.0	ug/L	50.4		94.3	33-163			
trans-1,2-Dichloroethylene	44.28	1.0	ug/L	50.1		88.4	66-148			
1,1-Dichloroethane	40.12	1.0	ug/L	50.1		80.1	66-143			
Vinyl Acetate	137.6	5.0	ug/L	131		105	43-153			
cis-1,2-Dichloroethylene	41.64	1.0	ug/L	50.4		82.7	71-149			
2-Butanone (MEK)	72.71	10.0	ug/L	100		72.7	52-159			
Bromochloromethane	43.48	1.0	ug/L	50.4		86.3	69-143			
Chloroform	41.83	1.0	ug/L	50.1		83.5	69-144			
1,1,1-Trichloroethane	46.44	1.0	ug/L	50.1		92.7	62-129			
Carbon Tetrachloride	49.14	1.0	ug/L	50.1		98.1	63-141			
Benzene	48.57	1.0	ug/L	50.4		96.3	71-134			
1,2-Dichloroethane	48.57	1.0	ug/L	50.1		97.0	72-132			
Trichloroethylene	50.29	1.0	ug/L	50.1		100	71-135			
1,2-Dichloropropane	48.46	1.0	ug/L	50.1		96.7	69-136			
Dibromomethane	49.66	1.0	ug/L	50.4		98.6	73-147			
Bromodichloromethane	51.87	1.0	ug/L	50.1		104	68-129			
cis-1,3-Dichloropropene	46.23	1.0	ug/L	50.1		92.3	65-134			
4-Methyl-2-pentanone (MIBK)	86.96	5.0	ug/L	100		87.0	58-147			
Toluene	50.03	1.0	ug/L	50.5		99.1	72-133			
trans-1,3-Dichloropropene	45.94	1.0	ug/L	50.1		91.7	67-130			
1,1,2-Trichloroethane	49.81	1.0	ug/L	50.1		99.4	69-135			
Tetrachloroethylene	57.62	1.0	ug/L	50.1		115	69-130			
2-Hexanone (MBK)	87.53	5.0	ug/L	100		87.5	55-144			
Dibromochloromethane	56.18	1.0	ug/L	50.1		112	73-127			
1,2-Dibromoethane	52.96	1.0	ug/L	50.2		105	67-132			
Chlorobenzene	54.08	1.0	ug/L	50.1		108	72-123			
1,1,1,2-Tetrachloroethane	58.25	1.0	ug/L	50.3		116	73-127			
Ethylbenzene	54.13	1.0	ug/L	50.2		108	71-127			
Xylenes, total	166.6	2.0	ug/L	151		110	74-127			
Styrene	57.35	1.0	ug/L	50.4		114	66-126			
Bromoform	58.93	1.0	ug/L	50.1		118	68-130			
1,2,3-Trichloropropane	51.25	1.0	ug/L	50.3		102	63-136			
trans-1,4-Dichloro-2-butene	79.73	5.0	ug/L	100		79.7	54-134			
1,1,2,2-Tetrachloroethane	44.60	1.0	ug/L	50.1		89.0	61-131			
1,4-Dichlorobenzene	53.26	1.0	ug/L	50.1		106	70-129			
1,2-Dichlorobenzene	54.14	1.0	ug/L	50.1		108	69-126			
1,2-Dibromo-3-chloropropane	46.01	5.0	ug/L	50.1		91.8	50-143			
Surrogate: Dibromofluoromethane	43.5		ug/L	50.2		86.6	75-136			
Surrogate: Dibromofluoromethane	43.5		ug/L	50.2		86.6	57-128			
Surrogate: 1,2-Dichloroethane-d4	43.1		ug/L	50.4		85.5	61-142			
Surrogate: 1,2-Dichloroethane-d4	43.1		ug/L	50.4		85.5	49-135			
Surrogate: Toluene-d8	49.0		ug/L	50.5		97.1	82-121			
Surrogate: Toluene-d8	49.0		ug/L	50.5		97.1	82-116			

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CERTIFICATE OF ANALYSIS

111427

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 111144 - EPA 5030B - EPA 8260D										
LCS (111144-BS1)				Prepared: 09/18/25 00:00 Analyzed: 09/18/25 11:37						
Surrogate: 4-Bromofluorobenzene	49.3		ug/L	50.2		98.3	80-116			
Surrogate: 4-Bromofluorobenzene	49.3		ug/L	50.2		98.3	77-114			
LCS Dup (111144-BS1)				Prepared: 09/18/25 00:00 Analyzed: 09/18/25 12:02						
Chloromethane	24.11	1.0	ug/L	30.3		79.5	63-155	1.93	24	
Vinyl Chloride	26.65	1.0	ug/L	30.2		88.1	70-154	1.64	25	
Bromomethane	26.25	1.0	ug/L	30.1		87.1	52-176	3.26	27	
Chloroethane	25.82	1.0	ug/L	30.3		85.2	72-148	4.11	25	
Trichlorofluoromethane	26.97	1.0	ug/L	30.3		89.0	70-152	5.34	26	
1,1-Dichloroethylene	39.88	1.0	ug/L	50.1		79.6	70-148	5.75	24	
Acetone	101.9	10.0	ug/L	100		102	43-172	12.8	30	
Methyl Iodide	96.20	1.0	ug/L	100		96.2	69-170	5.97	30	
Carbon Disulfide	77.59	1.0	ug/L	100		77.6	72-162	6.12	24	
Methylene Chloride	41.19	5.0	ug/L	50.1		82.2	68-142	3.90	21	
Acrylonitrile	47.93	5.0	ug/L	50.4		95.2	33-163	0.985	28	
trans-1,2-Dichloroethylene	42.47	1.0	ug/L	50.1		84.8	66-148	4.17	27	
1,1-Dichloroethane	38.26	1.0	ug/L	50.1		76.4	66-143	4.75	24	
Vinyl Acetate	130.4	5.0	ug/L	131		99.6	43-153	5.37	30	
cis-1,2-Dichloroethylene	40.67	1.0	ug/L	50.4		80.8	71-149	2.36	26	
2-Butanone (MEK)	77.05	10.0	ug/L	100		77.0	52-159	5.80	27	
Bromochloromethane	42.28	1.0	ug/L	50.4		83.9	69-143	2.80	23	
Chloroform	40.82	1.0	ug/L	50.1		81.5	69-144	2.44	23	
1,1,1-Trichloroethane	44.16	1.0	ug/L	50.1		88.1	62-129	5.03	24	
Carbon Tetrachloride	46.67	1.0	ug/L	50.1		93.2	63-141	5.16	25	
Benzene	45.92	1.0	ug/L	50.4		91.0	71-134	5.61	24	
1,2-Dichloroethane	46.49	1.0	ug/L	50.1		92.8	72-132	4.38	24	
Trichloroethylene	47.33	1.0	ug/L	50.1		94.5	71-135	6.06	24	
1,2-Dichloropropane	44.11	1.0	ug/L	50.1		88.1	69-136	9.40	24	
Dibromomethane	45.86	1.0	ug/L	50.4		91.1	73-147	7.96	25	
Bromodichloromethane	47.52	1.0	ug/L	50.1		94.9	68-129	8.75	22	
cis-1,3-Dichloropropene	45.02	1.0	ug/L	50.1		89.9	65-134	2.65	23	
4-Methyl-2-pentanone (MIBK)	90.32	5.0	ug/L	100		90.3	58-147	3.79	27	
Toluene	47.59	1.0	ug/L	50.5		94.3	72-133	5.00	24	
trans-1,3-Dichloropropene	45.01	1.0	ug/L	50.1		89.9	67-130	2.05	24	
1,1,2-Trichloroethane	49.14	1.0	ug/L	50.1		98.1	69-135	1.35	23	
Tetrachloroethylene	54.22	1.0	ug/L	50.1		108	69-130	6.08	25	
2-Hexanone (MBK)	91.35	5.0	ug/L	100		91.4	55-144	4.27	25	
Dibromochloromethane	54.66	1.0	ug/L	50.1		109	73-127	2.74	22	
1,2-Dibromoethane	52.53	1.0	ug/L	50.2		105	67-132	0.815	24	
Chlorobenzene	51.18	1.0	ug/L	50.1		102	72-123	5.51	23	
1,1,1,2-Tetrachloroethane	54.76	1.0	ug/L	50.3		109	73-127	6.18	24	
Ethylbenzene	51.26	1.0	ug/L	50.2		102	71-127	5.45	26	
Xylenes, total	157.8	2.0	ug/L	151		104	74-127	5.43	25	

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CERTIFICATE OF ANALYSIS

11I1427

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1144 - EPA 5030B - EPA 8260D										
LCS Dup (11I1144-BSD1)										
Prepared: 09/18/25 00:00 Analyzed: 09/18/25 12:02										
Styrene	54.31	1.0	ug/L	50.4		108	66-126	5.45	23	
Bromoform	57.49	1.0	ug/L	50.1		115	68-130	2.47	23	
1,2,3-Trichloropropane	52.50	1.0	ug/L	50.3		104	63-136	2.41	24	
trans-1,4-Dichloro-2-butene	80.12	5.0	ug/L	100		80.1	54-134	0.488	27	
1,1,2,2-Tetrachloroethane	44.62	1.0	ug/L	50.1		89.1	61-131	0.0448	29	
1,4-Dichlorobenzene	50.54	1.0	ug/L	50.1		101	70-129	5.24	24	
1,2-Dichlorobenzene	52.00	1.0	ug/L	50.1		104	69-126	4.03	26	
1,2-Dibromo-3-chloropropane	46.61	5.0	ug/L	50.1		93.0	50-143	1.30	30	
Surrogate: Dibromofluoromethane	43.6		ug/L	50.2		86.9	75-136			
Surrogate: Dibromofluoromethane	43.6		ug/L	50.2		86.9	57-128			
Surrogate: 1,2-Dichloroethane-d4	43.7		ug/L	50.4		86.8	61-142			
Surrogate: 1,2-Dichloroethane-d4	43.7		ug/L	50.4		86.8	49-135			
Surrogate: Toluene-d8	48.9		ug/L	50.5		96.9	82-121			
Surrogate: Toluene-d8	48.9		ug/L	50.5		96.9	82-116			
Surrogate: 4-Bromofluorobenzene	48.9		ug/L	50.2		97.4	80-116			
Surrogate: 4-Bromofluorobenzene	48.9		ug/L	50.2		97.4	77-114			
Matrix Spike (11I1144-MS1)										
Source: 11I1427-01										
Prepared: 09/18/25 00:00 Analyzed: 09/18/25 22:33										
Chloromethane	256.0	10.0	ug/L	303	ND	84.4	61-152			
Vinyl Chloride	284.6	10.0	ug/L	302	ND	94.1	66-149			
Bromomethane	295.7	10.0	ug/L	301	ND	98.2	43-171			
Chloroethane	297.0	10.0	ug/L	303	ND	98.0	69-148			
Trichlorofluoromethane	333.2	10.0	ug/L	303	ND	110	62-163			
1,1-Dichloroethylene	520.1	10.0	ug/L	501	ND	104	70-148			
Acetone	892.9	100	ug/L	1000	ND	89.3	45-173			
Methyl Iodide	885.4	10.0	ug/L	1000	ND	88.5	62-167			
Carbon Disulfide	956.6	10.0	ug/L	1000	ND	95.7	71-163			
Methylene Chloride	440.3	50.0	ug/L	501	ND	87.9	69-140			
Acrylonitrile	468.6	50.0	ug/L	504	ND	93.1	32-159			
trans-1,2-Dichloroethylene	485.4	10.0	ug/L	501	ND	96.9	69-144			
1,1-Dichloroethane	484.8	10.0	ug/L	501	ND	96.8	70-138			
Vinyl Acetate	1632	50.0	ug/L	1310	ND	125	58-142			
cis-1,2-Dichloroethylene	469.4	10.0	ug/L	504	ND	93.2	68-151			
2-Butanone (MEK)	943.9	100	ug/L	1000	ND	94.4	50-160			
Bromochloromethane	464.2	10.0	ug/L	504	ND	92.1	65-143			
Chloroform	484.9	10.0	ug/L	501	ND	96.8	71-143			
1,1,1-Trichloroethane	532.3	10.0	ug/L	501	ND	106	63-133			
Carbon Tetrachloride	559.2	10.0	ug/L	501	ND	112	63-142			
Benzene	506.6	10.0	ug/L	504	ND	100	69-133			
1,2-Dichloroethane	533.8	10.0	ug/L	501	ND	107	63-138			
Trichloroethylene	500.4	10.0	ug/L	501	ND	99.9	71-133			
1,2-Dichloropropane	447.1	10.0	ug/L	501	ND	89.3	69-132			
Dibromomethane	465.4	10.0	ug/L	504	ND	92.4	70-147			
Bromodichloromethane	497.6	10.0	ug/L	501	ND	99.3	67-130			

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CERTIFICATE OF ANALYSIS

111427

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 111144 - EPA 5030B - EPA 8260D										
Matrix Spike (111144-MS1)	Source: 111427-01			Prepared: 09/18/25 00:00 Analyzed: 09/18/25 22:33						
cis-1,3-Dichloropropene	488.0	10.0	ug/L	501	ND	97.4	61-126			
4-Methyl-2-pentanone (MIBK)	896.9	50.0	ug/L	1000	ND	89.7	55-147			
Toluene	493.9	10.0	ug/L	505	ND	97.9	71-133			
trans-1,3-Dichloropropene	491.3	10.0	ug/L	501	ND	98.1	63-124			
1,1,2-Trichloroethane	497.4	10.0	ug/L	501	ND	99.3	69-133			
Tetrachloroethylene	581.9	10.0	ug/L	501	ND	116	70-124			
2-Hexanone (MBK)	919.8	50.0	ug/L	1000	ND	92.0	53-141			
Dibromochloromethane	571.5	10.0	ug/L	501	ND	114	74-122			
1,2-Dibromoethane	527.3	10.0	ug/L	502	ND	105	66-127			
Chlorobenzene	537.9	10.0	ug/L	501	ND	107	76-116			
1,1,1,2-Tetrachloroethane	578.8	10.0	ug/L	503	ND	115	77-121			
Ethylbenzene	547.3	10.0	ug/L	502	ND	109	73-124			
Xylenes, total	1688	20.0	ug/L	1510	ND	112	75-123			
Styrene	572.4	10.0	ug/L	504	ND	114	70-120			
Bromoform	592.5	10.0	ug/L	501	ND	118	70-124			
1,2,3-Trichloropropane	535.1	10.0	ug/L	503	ND	106	62-135			
trans-1,4-Dichloro-2-butene	962.7	50.0	ug/L	1000	ND	96.3	50-120			
1,1,2,2-Tetrachloroethane	449.5	10.0	ug/L	501	ND	89.7	63-126			
1,4-Dichlorobenzene	537.4	10.0	ug/L	501	ND	107	72-119			
1,2-Dichlorobenzene	552.7	10.0	ug/L	501	ND	110	71-117			
1,2-Dibromo-3-chloropropane	484.3	50.0	ug/L	501	ND	96.6	49-134			
Surrogate: Dibromofluoromethane	489		ug/L	502		97.5	57-128			
Surrogate: Dibromofluoromethane	489		ug/L	502		97.5	75-136			
Surrogate: 1,2-Dichloroethane-d4	535		ug/L	504		106	49-135			
Surrogate: 1,2-Dichloroethane-d4	535		ug/L	504		106	61-142			
Surrogate: Toluene-d8	497		ug/L	505		98.5	82-116			
Surrogate: Toluene-d8	497		ug/L	505		98.5	82-121			
Surrogate: 4-Bromofluorobenzene	493		ug/L	502		98.3	77-114			
Surrogate: 4-Bromofluorobenzene	493		ug/L	502		98.3	80-116			
Matrix Spike Dup (111144-MSD1)	Source: 111427-01			Prepared: 09/18/25 00:00 Analyzed: 09/18/25 22:59						
Chloromethane	223.3	10.0	ug/L	303	ND	73.6	61-152	13.6	26	
Vinyl Chloride	244.1	10.0	ug/L	302	ND	80.7	66-149	15.3	23	
Bromomethane	267.6	10.0	ug/L	301	ND	88.8	43-171	9.98	29	
Chloroethane	259.3	10.0	ug/L	303	ND	85.5	69-148	13.6	25	
Trichlorofluoromethane	286.1	10.0	ug/L	303	ND	94.4	62-163	15.2	25	
1,1-Dichloroethylene	404.3	10.0	ug/L	501	ND	80.7	70-148	25.1	22	R1
Acetone	688.3	100	ug/L	1000	ND	68.8	45-173	25.9	30	
Methyl Iodide	971.5	10.0	ug/L	1000	ND	97.2	62-167	9.27	24	
Carbon Disulfide	779.4	10.0	ug/L	1000	ND	77.9	71-163	20.4	22	
Methylene Chloride	366.1	50.0	ug/L	501	ND	73.1	69-140	18.4	19	
Acrylonitrile	363.3	50.0	ug/L	504	ND	72.2	32-159	25.3	30	
trans-1,2-Dichloroethylene	385.0	10.0	ug/L	501	ND	76.9	69-144	23.1	22	R1
1,1-Dichloroethane	380.3	10.0	ug/L	501	ND	75.9	70-138	24.2	20	R1

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Page 44 of 57



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CERTIFICATE OF ANALYSIS

111427

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 111144 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (111144-MSD1) Source: 111427-01 Prepared: 09/18/25 00:00 Analyzed: 09/18/25 22:59										
Vinyl Acetate	1439	50.0	ug/L	1310	ND	110	58-142	12.5	24	
cis-1,2-Dichloroethylene	400.5	10.0	ug/L	504	ND	79.5	68-151	15.8	22	
2-Butanone (MEK)	756.7	100	ug/L	1000	ND	75.7	50-160	22.0	23	
Bromochloromethane	359.4	10.0	ug/L	504	ND	71.3	65-143	25.4	22	R1
Chloroform	406.3	10.0	ug/L	501	ND	81.1	71-143	17.6	21	
1,1,1-Trichloroethane	449.9	10.0	ug/L	501	ND	89.8	63-133	16.8	23	
Carbon Tetrachloride	472.8	10.0	ug/L	501	ND	94.4	63-142	16.7	22	
Benzene	451.1	10.0	ug/L	504	ND	89.4	69-133	11.6	18	
1,2-Dichloroethane	473.2	10.0	ug/L	501	ND	94.5	63-138	12.0	20	
Trichloroethylene	468.2	10.0	ug/L	501	ND	93.5	71-133	6.65	23	
1,2-Dichloropropane	426.9	10.0	ug/L	501	ND	85.2	69-132	4.62	20	
Dibromomethane	446.4	10.0	ug/L	504	ND	88.6	70-147	4.17	22	
Bromodichloromethane	470.1	10.0	ug/L	501	ND	93.9	67-130	5.68	21	
cis-1,3-Dichloropropene	464.4	10.0	ug/L	501	ND	92.7	61-126	4.96	21	
4-Methyl-2-pentanone (MIBK)	857.4	50.0	ug/L	1000	ND	85.7	55-147	4.50	23	
Toluene	466.2	10.0	ug/L	505	ND	92.4	71-133	5.77	19	
trans-1,3-Dichloropropene	471.4	10.0	ug/L	501	ND	94.1	63-124	4.13	21	
1,1,2-Trichloroethane	475.3	10.0	ug/L	501	ND	94.9	69-133	4.54	19	
Tetrachloroethylene	550.1	10.0	ug/L	501	ND	110	70-124	5.62	24	
2-Hexanone (MBK)	896.8	50.0	ug/L	1000	ND	89.7	53-141	2.53	24	
Dibromochloromethane	540.6	10.0	ug/L	501	ND	108	74-122	5.56	21	
1,2-Dibromoethane	510.5	10.0	ug/L	502	ND	102	66-127	3.24	23	
Chlorobenzene	508.6	10.0	ug/L	501	ND	102	76-116	5.60	21	
1,1,1,2-Tetrachloroethane	553.4	10.0	ug/L	503	ND	110	77-121	4.49	25	
Ethylbenzene	512.2	10.0	ug/L	502	ND	102	73-124	6.63	20	
Xylenes, total	1582	20.0	ug/L	1510	ND	105	75-123	6.45	20	
Styrene	544.2	10.0	ug/L	504	ND	108	70-120	5.05	23	
Bromoform	578.4	10.0	ug/L	501	ND	115	70-124	2.41	22	
1,2,3-Trichloropropane	522.2	10.0	ug/L	503	ND	104	62-135	2.44	28	
trans-1,4-Dichloro-2-butene	931.8	50.0	ug/L	1000	ND	93.2	50-120	3.26	26	
1,1,2,2-Tetrachloroethane	443.0	10.0	ug/L	501	ND	88.4	63-126	1.46	24	
1,4-Dichlorobenzene	521.7	10.0	ug/L	501	ND	104	72-119	2.96	24	
1,2-Dichlorobenzene	535.6	10.0	ug/L	501	ND	107	71-117	3.14	24	
1,2-Dibromo-3-chloropropane	470.5	50.0	ug/L	501	ND	93.9	49-134	2.89	28	
Surrogate: Dibromofluoromethane	446		ug/L	502		88.8	57-128			
Surrogate: Dibromofluoromethane	446		ug/L	502		88.8	75-136			
Surrogate: 1,2-Dichloroethane-d4	462		ug/L	504		91.8	49-135			
Surrogate: 1,2-Dichloroethane-d4	462		ug/L	504		91.8	61-142			
Surrogate: Toluene-d8	494		ug/L	505		98.0	82-116			
Surrogate: Toluene-d8	494		ug/L	505		98.0	82-121			
Surrogate: 4-Bromofluorobenzene	490		ug/L	502		97.6	77-114			
Surrogate: 4-Bromofluorobenzene	490		ug/L	502		97.6	80-116			

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11I1427

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1314 - EPA 5030B - EPA 8260D										
Blank (11I1314-BLK1)				Prepared: 09/22/25 00:00 Analyzed: 09/22/25 18:40						
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
Acrylonitrile	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
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							

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11I1427

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1314 - EPA 5030B - EPA 8260D									
Blank (11I1314-BLK1)									
Prepared: 09/22/25 00:00 Analyzed: 09/22/25 18:40									
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L						
1,4-Dichlorobenzene	<1.0	1.0	ug/L						
1,2-Dichlorobenzene	<1.0	1.0	ug/L						
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L						
Surrogate: Dibromofluoromethane	49.7		ug/L	50.2		99.0	57-128		
Surrogate: Dibromofluoromethane	49.7		ug/L	50.2		99.0	75-136		
Surrogate: 1,2-Dichloroethane-d4	50.7		ug/L	50.4		101	49-135		
Surrogate: 1,2-Dichloroethane-d4	50.7		ug/L	50.4		101	61-142		
Surrogate: Toluene-d8	53.8		ug/L	50.5		107	82-116		
Surrogate: Toluene-d8	53.8		ug/L	50.5		107	82-121		
Surrogate: 4-Bromofluorobenzene	47.8		ug/L	50.2		95.2	77-114		
Surrogate: 4-Bromofluorobenzene	47.8		ug/L	50.2		95.2	80-116		
LCS (11I1314-BS1)									
Prepared: 09/22/25 00:00 Analyzed: 09/22/25 17:32									
Chloromethane	27.30	1.0	ug/L	30.3		90.0	63-155		
Vinyl Chloride	28.09	1.0	ug/L	30.2		92.9	70-154		
Bromomethane	25.26	1.0	ug/L	30.1		83.9	52-176		
Chloroethane	27.62	1.0	ug/L	30.3		91.1	72-148		
Trichlorofluoromethane	34.90	1.0	ug/L	30.3		115	70-152		
1,1-Dichloroethylene	61.21	1.0	ug/L	50.1		122	70-148		
Acetone	96.37	10.0	ug/L	100		96.4	43-172		
Methyl Iodide	103.6	1.0	ug/L	100		104	69-170		
Carbon Disulfide	113.9	1.0	ug/L	100		114	72-162		
Methylene Chloride	54.51	5.0	ug/L	50.1		109	68-142		
Acrylonitrile	104.6	5.0	ug/L	50.4		208	33-163		Q2
trans-1,2-Dichloroethylene	54.26	1.0	ug/L	50.1		108	66-148		
1,1-Dichloroethane	56.91	1.0	ug/L	50.1		114	66-143		
Vinyl Acetate	77.12	5.0	ug/L	50.0		154	43-153		Q2
cis-1,2-Dichloroethylene	53.53	1.0	ug/L	50.4		106	71-149		
2-Butanone (MEK)	119.2	10.0	ug/L	100		119	52-159		
Bromochloromethane	54.97	1.0	ug/L	50.4		109	69-143		
Chloroform	53.36	1.0	ug/L	50.1		107	69-144		
1,1,1-Trichloroethane	56.25	1.0	ug/L	50.1		112	62-129		
Carbon Tetrachloride	52.33	1.0	ug/L	50.1		104	63-141		
Benzene	54.12	1.0	ug/L	50.4		107	71-134		
1,2-Dichloroethane	53.74	1.0	ug/L	50.1		107	72-132		
Trichloroethylene	57.45	1.0	ug/L	50.1		115	71-135		
1,2-Dichloropropane	54.73	1.0	ug/L	50.1		109	69-136		
Dibromomethane	50.20	1.0	ug/L	50.4		99.7	73-147		
Bromodichloromethane	54.02	1.0	ug/L	50.1		108	68-129		
cis-1,3-Dichloropropene	59.10	1.0	ug/L	50.1		118	65-134		
4-Methyl-2-pentanone (MIBK)	115.7	5.0	ug/L	100		116	58-147		
Toluene	53.18	1.0	ug/L	50.5		105	72-133		
trans-1,3-Dichloropropene	59.67	1.0	ug/L	50.1		119	67-130		

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CERTIFICATE OF ANALYSIS

11I1427

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1314 - EPA 5030B - EPA 8260D										
LCS (11I1314-BS1)										
Prepared: 09/22/25 00:00 Analyzed: 09/22/25 17:32										
1,1,2-Trichloroethane	51.60	1.0	ug/L	50.1		103	69-135			
Tetrachloroethylene	60.10	1.0	ug/L	50.1		120	69-130			
2-Hexanone (MBK)	112.8	5.0	ug/L	100		113	55-144			
Dibromochloromethane	55.79	1.0	ug/L	50.1		111	73-127			
1,2-Dibromoethane	57.17	1.0	ug/L	50.2		114	67-132			
Chlorobenzene	53.82	1.0	ug/L	50.1		107	72-123			
1,1,1,2-Tetrachloroethane	57.56	1.0	ug/L	50.3		114	73-127			
Ethylbenzene	54.85	1.0	ug/L	50.2		109	71-127			
Xylenes, total	164.9	2.0	ug/L	151		109	74-127			
Styrene	56.98	1.0	ug/L	50.4		113	66-126			
Bromoform	62.27	1.0	ug/L	50.1		124	68-130			
1,2,3-Trichloropropane	56.30	1.0	ug/L	50.3		112	63-136			
trans-1,4-Dichloro-2-butene	121.2	5.0	ug/L	100		121	54-134			
1,1,2,2-Tetrachloroethane	49.57	1.0	ug/L	50.1		98.9	61-131			
1,4-Dichlorobenzene	50.50	1.0	ug/L	50.1		101	70-129			
1,2-Dichlorobenzene	53.04	1.0	ug/L	50.1		106	69-126			
1,2-Dibromo-3-chloropropane	56.93	5.0	ug/L	50.1		114	50-143			
Surrogate: Dibromofluoromethane	53.4		ug/L	50.2		106	57-128			
Surrogate: Dibromofluoromethane	53.4		ug/L	50.2		106	75-136			
Surrogate: 1,2-Dichloroethane-d4	53.3		ug/L	50.4		106	49-135			
Surrogate: 1,2-Dichloroethane-d4	53.3		ug/L	50.4		106	61-142			
Surrogate: Toluene-d8	52.7		ug/L	50.5		104	82-116			
Surrogate: Toluene-d8	52.7		ug/L	50.5		104	82-121			
Surrogate: 4-Bromofluorobenzene	51.4		ug/L	50.2		102	77-114			
Surrogate: 4-Bromofluorobenzene	51.4		ug/L	50.2		102	80-116			
LCS Dup (11I1314-BSD1)										
Prepared: 09/22/25 00:00 Analyzed: 09/22/25 17:55										
Chloromethane	32.89	1.0	ug/L	30.3		108	63-155	18.6	24	
Vinyl Chloride	32.57	1.0	ug/L	30.2		108	70-154	14.8	25	
Bromomethane	24.45	1.0	ug/L	30.1		81.2	52-176	3.26	27	
Chloroethane	28.08	1.0	ug/L	30.3		92.6	72-148	1.65	25	
Trichlorofluoromethane	33.25	1.0	ug/L	30.3		110	70-152	4.84	26	
1,1-Dichloroethylene	57.90	1.0	ug/L	50.1		116	70-148	5.56	24	
Acetone	99.14	10.0	ug/L	100		99.1	43-172	2.83	30	
Methyl Iodide	104.1	1.0	ug/L	100		104	69-170	0.414	30	
Carbon Disulfide	114.2	1.0	ug/L	100		114	72-162	0.272	24	
Methylene Chloride	52.57	5.0	ug/L	50.1		105	68-142	3.62	21	
Acrylonitrile	103.6	5.0	ug/L	50.4		206	33-163	0.980	28	Q2
trans-1,2-Dichloroethylene	53.41	1.0	ug/L	50.1		107	66-148	1.58	27	
1,1-Dichloroethane	55.29	1.0	ug/L	50.1		110	66-143	2.89	24	
Vinyl Acetate	65.70	5.0	ug/L	50.0		131	43-153	16.0	30	
cis-1,2-Dichloroethylene	49.45	1.0	ug/L	50.4		98.2	71-149	7.92	26	
2-Butanone (MEK)	112.8	10.0	ug/L	100		113	52-159	5.45	27	
Bromochloromethane	53.16	1.0	ug/L	50.4		105	69-143	3.35	23	

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CERTIFICATE OF ANALYSIS

11I1427

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1314 - EPA 5030B - EPA 8260D										
LCS Dup (11I1314-BSD1)				Prepared: 09/22/25 00:00 Analyzed: 09/22/25 17:55						
Chloroform	52.95	1.0	ug/L	50.1		106	69-144	0.771	23	
1,1,1-Trichloroethane	53.70	1.0	ug/L	50.1		107	62-129	4.64	24	
Carbon Tetrachloride	49.11	1.0	ug/L	50.1		98.0	63-141	6.35	25	
Benzene	52.88	1.0	ug/L	50.4		105	71-134	2.32	24	
1,2-Dichloroethane	53.32	1.0	ug/L	50.1		106	72-132	0.785	24	
Trichloroethylene	54.07	1.0	ug/L	50.1		108	71-135	6.06	24	
1,2-Dichloropropane	57.54	1.0	ug/L	50.1		115	69-136	5.01	24	
Dibromomethane	52.17	1.0	ug/L	50.4		104	73-147	3.85	25	
Bromodichloromethane	55.16	1.0	ug/L	50.1		110	68-129	2.09	22	
cis-1,3-Dichloropropene	57.81	1.0	ug/L	50.1		115	65-134	2.21	23	
4-Methyl-2-pentanone (MIBK)	116.9	5.0	ug/L	100		117	58-147	1.03	27	
Toluene	51.55	1.0	ug/L	50.5		102	72-133	3.11	24	
trans-1,3-Dichloropropene	59.41	1.0	ug/L	50.1		119	67-130	0.437	24	
1,1,2-Trichloroethane	52.31	1.0	ug/L	50.1		104	69-135	1.37	23	
Tetrachloroethylene	55.05	1.0	ug/L	50.1		110	69-130	8.77	25	
2-Hexanone (MBK)	109.8	5.0	ug/L	100		110	55-144	2.69	25	
Dibromochloromethane	54.15	1.0	ug/L	50.1		108	73-127	2.98	22	
1,2-Dibromoethane	54.56	1.0	ug/L	50.2		109	67-132	4.67	24	
Chlorobenzene	52.02	1.0	ug/L	50.1		104	72-123	3.40	23	
1,1,1,2-Tetrachloroethane	53.94	1.0	ug/L	50.3		107	73-127	6.49	24	
Ethylbenzene	52.45	1.0	ug/L	50.2		105	71-127	4.47	26	
Xylenes, total	155.5	2.0	ug/L	151		103	74-127	5.87	25	
Styrene	54.06	1.0	ug/L	50.4		107	66-126	5.26	23	
Bromoform	61.30	1.0	ug/L	50.1		122	68-130	1.57	23	
1,2,3-Trichloropropane	54.15	1.0	ug/L	50.3		108	63-136	3.89	24	
trans-1,4-Dichloro-2-butene	118.7	5.0	ug/L	100		119	54-134	2.15	27	
1,1,2,2-Tetrachloroethane	48.78	1.0	ug/L	50.1		97.4	61-131	1.61	29	
1,4-Dichlorobenzene	47.52	1.0	ug/L	50.1		94.8	70-129	6.08	24	
1,2-Dichlorobenzene	51.48	1.0	ug/L	50.1		103	69-126	2.99	26	
1,2-Dibromo-3-chloropropane	55.59	5.0	ug/L	50.1		111	50-143	2.38	30	
Surrogate: Dibromofluoromethane	53.3		ug/L	50.2		106	57-128			
Surrogate: Dibromofluoromethane	53.3		ug/L	50.2		106	75-136			
Surrogate: 1,2-Dichloroethane-d4	52.8		ug/L	50.4		105	49-135			
Surrogate: 1,2-Dichloroethane-d4	52.8		ug/L	50.4		105	61-142			
Surrogate: Toluene-d8	52.0		ug/L	50.5		103	82-116			
Surrogate: Toluene-d8	52.0		ug/L	50.5		103	82-121			
Surrogate: 4-Bromofluorobenzene	51.7		ug/L	50.2		103	77-114			
Surrogate: 4-Bromofluorobenzene	51.7		ug/L	50.2		103	80-116			
Matrix Spike (11I1314-MS1)				Source: 11I1428-01		Prepared: 09/22/25 00:00 Analyzed: 09/23/25 00:46				
Chloromethane	466.6	10.0	ug/L	303	ND	154	61-152			M1
Vinyl Chloride	347.7	10.0	ug/L	302	ND	115	66-149			
Bromomethane	221.9	10.0	ug/L	301	ND	73.7	43-171			
Chloroethane	247.6	10.0	ug/L	303	ND	81.7	69-148			

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111427

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1111314 - EPA 5030B - EPA 8260D										
Matrix Spike (1111314-MS1)	Source: 1111428-01			Prepared: 09/22/25 00:00 Analyzed: 09/23/25 00:46						
Trichlorofluoromethane	308.2	10.0	ug/L	303	ND	102	62-163			
1,1-Dichloroethylene	516.5	10.0	ug/L	501	ND	103	70-148			
Acetone	883.4	100	ug/L	1000	ND	88.3	45-173			
Methyl Iodide	807.7	10.0	ug/L	1000	ND	80.8	62-167			
Carbon Disulfide	1017	10.0	ug/L	1000	ND	102	71-163			
Methylene Chloride	477.7	50.0	ug/L	501	ND	95.3	69-140			
Acrylonitrile	870.7	50.0	ug/L	504	ND	173	32-159			M1
trans-1,2-Dichloroethylene	496.7	10.0	ug/L	501	ND	99.2	69-144			
1,1-Dichloroethane	496.3	10.0	ug/L	501	ND	99.1	70-138			
Vinyl Acetate	651.3	50.0	ug/L	500	ND	130	58-142			
cis-1,2-Dichloroethylene	438.5	10.0	ug/L	504	ND	87.1	68-151			
2-Butanone (MEK)	996.0	100	ug/L	1000	ND	99.6	50-160			
Bromochloromethane	485.8	10.0	ug/L	504	ND	96.4	65-143			
Chloroform	463.6	10.0	ug/L	501	ND	92.6	71-143			
1,1,1-Trichloroethane	495.0	10.0	ug/L	501	ND	98.8	63-133			
Carbon Tetrachloride	448.6	10.0	ug/L	501	ND	89.6	63-142			
Benzene	518.5	10.0	ug/L	504	ND	103	69-133			
1,2-Dichloroethane	519.5	10.0	ug/L	501	ND	104	63-138			
Trichloroethylene	528.6	10.0	ug/L	501	ND	106	71-133			
1,2-Dichloropropane	514.8	10.0	ug/L	501	ND	103	69-132			
Dibromomethane	486.9	10.0	ug/L	504	ND	96.7	70-147			
Bromodichloromethane	496.4	10.0	ug/L	501	ND	99.1	67-130			
cis-1,3-Dichloropropene	535.0	10.0	ug/L	501	ND	107	61-126			
4-Methyl-2-pentanone (MIBK)	1058	50.0	ug/L	1000	ND	106	55-147			
Toluene	512.5	10.0	ug/L	505	ND	102	71-133			
trans-1,3-Dichloropropene	540.7	10.0	ug/L	501	ND	108	63-124			
1,1,2-Trichloroethane	496.5	10.0	ug/L	501	ND	99.1	69-133			
Tetrachloroethylene	556.9	10.0	ug/L	501	ND	111	70-124			
2-Hexanone (MBK)	1023	50.0	ug/L	1000	ND	102	53-141			
Dibromochloromethane	499.1	10.0	ug/L	501	ND	99.7	74-122			
1,2-Dibromoethane	517.4	10.0	ug/L	502	ND	103	66-127			
Chlorobenzene	518.6	10.0	ug/L	501	ND	104	76-116			
1,1,1,2-Tetrachloroethane	538.6	10.0	ug/L	503	ND	107	77-121			
Ethylbenzene	523.6	10.0	ug/L	502	ND	104	73-124			
Xylenes, total	1591	20.0	ug/L	1510	ND	105	75-123			
Styrene	547.9	10.0	ug/L	504	ND	109	70-120			
Bromoform	593.7	10.0	ug/L	501	ND	118	70-124			
1,2,3-Trichloropropane	539.9	10.0	ug/L	503	ND	107	62-135			
trans-1,4-Dichloro-2-butene	1029	50.0	ug/L	1000	ND	103	50-120			
1,1,2,2-Tetrachloroethane	478.9	10.0	ug/L	501	ND	95.6	63-126			
1,4-Dichlorobenzene	473.3	10.0	ug/L	501	ND	94.4	72-119			
1,2-Dichlorobenzene	507.3	10.0	ug/L	501	ND	101	71-117			
1,2-Dibromo-3-chloropropane	513.3	50.0	ug/L	501	ND	102	49-134			

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1111427

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1111314 - EPA 5030B - EPA 8260D										
Matrix Spike (1111314-MS1)		Source: 1111428-01		Prepared: 09/22/25 00:00 Analyzed: 09/23/25 00:46						
Surrogate: Dibromofluoromethane	487		ug/L	502		97.0	57-128			
Surrogate: Dibromofluoromethane	487		ug/L	502		97.0	75-136			
Surrogate: 1,2-Dichloroethane-d4	487		ug/L	504		96.7	49-135			
Surrogate: 1,2-Dichloroethane-d4	487		ug/L	504		96.7	61-142			
Surrogate: Toluene-d8	518		ug/L	505		103	82-116			
Surrogate: Toluene-d8	518		ug/L	505		103	82-121			
Surrogate: 4-Bromofluorobenzene	521		ug/L	502		104	77-114			
Surrogate: 4-Bromofluorobenzene	521		ug/L	502		104	80-116			
Matrix Spike Dup (1111314-MSD1)		Source: 1111428-01		Prepared: 09/22/25 00:00 Analyzed: 09/23/25 01:09						
Chloromethane	476.4	10.0	ug/L	303	ND	157	61-152	2.08	26	M1
Vinyl Chloride	347.8	10.0	ug/L	302	ND	115	66-149	0.0287	23	
Bromomethane	196.2	10.0	ug/L	301	ND	65.1	43-171	12.3	29	
Chloroethane	241.9	10.0	ug/L	303	ND	79.8	69-148	2.33	25	
Trichlorofluoromethane	294.9	10.0	ug/L	303	ND	97.3	62-163	4.41	25	
1,1-Dichloroethylene	497.6	10.0	ug/L	501	ND	99.3	70-148	3.73	22	
Acetone	901.5	100	ug/L	1000	ND	90.2	45-173	2.03	30	
Methyl Iodide	847.7	10.0	ug/L	1000	ND	84.8	62-167	4.83	24	
Carbon Disulfide	995.2	10.0	ug/L	1000	ND	99.5	71-163	2.21	22	
Methylene Chloride	452.0	50.0	ug/L	501	ND	90.2	69-140	5.53	19	
Acrylonitrile	907.4	50.0	ug/L	504	ND	180	32-159	4.13	30	M1
trans-1,2-Dichloroethylene	489.5	10.0	ug/L	501	ND	97.7	69-144	1.46	22	
1,1-Dichloroethane	492.1	10.0	ug/L	501	ND	98.2	70-138	0.850	20	
Vinyl Acetate	636.2	50.0	ug/L	500	ND	127	58-142	2.35	24	
cis-1,2-Dichloroethylene	455.9	10.0	ug/L	504	ND	90.5	68-151	3.89	22	
2-Butanone (MEK)	1044	100	ug/L	1000	ND	104	50-160	4.74	23	
Bromochloromethane	488.4	10.0	ug/L	504	ND	96.9	65-143	0.534	22	
Chloroform	462.0	10.0	ug/L	501	ND	92.2	71-143	0.346	21	
1,1,1-Trichloroethane	476.9	10.0	ug/L	501	ND	95.2	63-133	3.72	23	
Carbon Tetrachloride	435.3	10.0	ug/L	501	ND	86.9	63-142	3.01	22	
Benzene	494.4	10.0	ug/L	504	ND	98.0	69-133	4.76	18	
1,2-Dichloroethane	495.3	10.0	ug/L	501	ND	98.9	63-138	4.77	20	
Trichloroethylene	481.7	10.0	ug/L	501	ND	96.2	71-133	9.28	23	
1,2-Dichloropropane	506.6	10.0	ug/L	501	ND	101	69-132	1.61	20	
Dibromomethane	487.1	10.0	ug/L	504	ND	96.7	70-147	0.0411	22	
Bromodichloromethane	493.7	10.0	ug/L	501	ND	98.6	67-130	0.545	21	
cis-1,3-Dichloropropene	524.1	10.0	ug/L	501	ND	105	61-126	2.06	21	
4-Methyl-2-pentanone (MIBK)	1027	50.0	ug/L	1000	ND	103	55-147	2.97	23	
Toluene	486.9	10.0	ug/L	505	ND	96.5	71-133	5.12	19	
trans-1,3-Dichloropropene	522.6	10.0	ug/L	501	ND	104	63-124	3.40	21	
1,1,2-Trichloroethane	493.6	10.0	ug/L	501	ND	98.5	69-133	0.586	19	
Tetrachloroethylene	539.2	10.0	ug/L	501	ND	108	70-124	3.23	24	
2-Hexanone (MBK)	1009	50.0	ug/L	1000	ND	101	53-141	1.34	24	
Dibromochloromethane	495.4	10.0	ug/L	501	ND	98.9	74-122	0.744	21	

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Page 51 of 57



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1111427

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1111314 - EPA 5030B - EPA 8260D										

Matrix Spike Dup (1111314-MSD1)		Source: 1111428-01		Prepared: 09/22/25 00:00 Analyzed: 09/23/25 01:09						
1,2-Dibromoethane	518.4	10.0	ug/L	502	ND	103	66-127	0.193	23	
Chlorobenzene	495.0	10.0	ug/L	501	ND	98.8	76-116	4.66	21	
1,1,1,2-Tetrachloroethane	518.6	10.0	ug/L	503	ND	103	77-121	3.78	25	
Ethylbenzene	500.2	10.0	ug/L	502	ND	99.7	73-124	4.57	20	
Xylenes, total	1505	20.0	ug/L	1510	ND	99.6	75-123	5.56	20	
Styrene	534.6	10.0	ug/L	504	ND	106	70-120	2.46	23	
Bromoform	568.9	10.0	ug/L	501	ND	114	70-124	4.27	22	
1,2,3-Trichloropropane	525.1	10.0	ug/L	503	ND	104	62-135	2.78	28	
trans-1,4-Dichloro-2-butene	1105	50.0	ug/L	1000	ND	111	50-120	7.17	26	
1,1,1,2-Tetrachloroethane	482.1	10.0	ug/L	501	ND	96.2	63-126	0.666	24	
1,4-Dichlorobenzene	470.3	10.0	ug/L	501	ND	93.8	72-119	0.636	24	
1,2-Dichlorobenzene	499.6	10.0	ug/L	501	ND	99.7	71-117	1.53	24	
1,2-Dibromo-3-chloropropane	539.5	50.0	ug/L	501	ND	108	49-134	4.98	28	
Surrogate: Dibromofluoromethane	494		ug/L	502		98.3	57-128			
Surrogate: Dibromofluoromethane	494		ug/L	502		98.3	75-136			
Surrogate: 1,2-Dichloroethane-d4	508		ug/L	504		101	49-135			
Surrogate: 1,2-Dichloroethane-d4	508		ug/L	504		101	61-142			
Surrogate: Toluene-d8	519		ug/L	505		103	82-116			
Surrogate: Toluene-d8	519		ug/L	505		103	82-121			
Surrogate: 4-Bromofluorobenzene	505		ug/L	502		101	77-114			
Surrogate: 4-Bromofluorobenzene	505		ug/L	502		101	80-116			

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1111138 - EPA 3005A Total Recoverable Metals - EPA 6020A										

Blank (1111138-BLK1)		Prepared: 09/18/25 15:30 Analyzed: 09/20/25 01:32								
Antimony, total	<0.0010	0.0010	mg/L							
Arsenic, total	<0.0020	0.0020	mg/L							
Barium, total	<0.0010	0.0010	mg/L							
Beryllium, total	<0.0005	0.0005	mg/L							
Cadmium, total	<0.0002	0.0002	mg/L							
Chromium, total	<0.0010	0.0010	mg/L							B
Cobalt, total	<0.0005	0.0005	mg/L							
Copper, total	<0.0050	0.0050	mg/L							
Lead, total	<0.0010	0.0010	mg/L							
Nickel, total	<0.0050	0.0050	mg/L							
Selenium, total	<0.0020	0.0020	mg/L							
Silver, total	<0.0050	0.0050	mg/L							
Thallium, total	<0.0005	0.0005	mg/L							
Vanadium, total	<0.0020	0.0020	mg/L							
Zinc, total	<0.0050	0.0050	mg/L							B

LCS (1111138-BS1)	Prepared: 09/18/25 15:30 Analyzed: 09/20/25 01:35									



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111427

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 111138 - EPA 3005A Total Recoverable Metals - EPA 6020A										
LCS (111138-BS1)				Prepared: 09/18/25 15:30 Analyzed: 09/20/25 01:35						
Antimony, total	0.0922	0.0010	mg/L	0.100		92.2	80-120			
Arsenic, total	0.0976	0.0020	mg/L	0.100		97.6	80-120			
Barium, total	0.104	0.0010	mg/L	0.100		104	80-120			
Beryllium, total	0.0974	0.0005	mg/L	0.100		97.4	80-120			
Cadmium, total	0.0966	0.0002	mg/L	0.100		96.6	80-120			
Chromium, total	0.0941	0.0010	mg/L	0.100		94.1	80-120			
Cobalt, total	0.0954	0.0005	mg/L	0.100		95.4	80-120			
Copper, total	0.0964	0.0050	mg/L	0.100		96.4	80-120			
Lead, total	0.0975	0.0010	mg/L	0.100		97.5	80-120			
Nickel, total	0.0966	0.0050	mg/L	0.100		96.6	80-120			
Selenium, total	0.0992	0.0020	mg/L	0.100		99.2	80-120			
Silver, total	0.104	0.0050	mg/L	0.100		104	80-120			
Thallium, total	0.102	0.0005	mg/L	0.100		102	80-120			
Vanadium, total	0.102	0.0020	mg/L	0.100		102	80-120			
Zinc, total	0.104	0.0050	mg/L	0.100		104	80-120			
Matrix Spike (111138-MS1)				Source: 111427-01 Prepared: 09/18/25 15:30 Analyzed: 09/20/25 01:42						
Antimony, total	0.0991	0.0010	mg/L	0.100	ND	99.1	75-125			
Arsenic, total	0.0904	0.0020	mg/L	0.100	0.0026	87.8	75-125			
Barium, total	0.123	0.0010	mg/L	0.100	0.0099	113	75-125			
Beryllium, total	0.100	0.0005	mg/L	0.100	0.0003	100	75-125			
Cadmium, total	0.103	0.0002	mg/L	0.100	0.0001	102	75-125			
Chromium, total	0.0985	0.0010	mg/L	0.100	0.0006	97.9	75-125			
Cobalt, total	0.141	0.0005	mg/L	0.100	0.0365	105	75-125			
Copper, total	0.0984	0.0050	mg/L	0.100	0.0020	96.4	75-125			
Lead, total	0.107	0.0010	mg/L	0.100	ND	107	75-125			
Nickel, total	0.158	0.0050	mg/L	0.100	0.0628	94.9	75-125			
Selenium, total	0.0882	0.0020	mg/L	0.100	ND	88.2	75-125			
Silver, total	0.110	0.0050	mg/L	0.100	ND	110	75-125			
Thallium, total	0.111	0.0005	mg/L	0.100	0.00006	111	75-125			
Vanadium, total	0.100	0.0020	mg/L	0.100	ND	100	75-125			
Zinc, total	0.406	0.0050	mg/L	0.100	0.311	94.2	75-125			
Matrix Spike Dup (111138-MSD1)				Source: 111427-01 Prepared: 09/18/25 15:30 Analyzed: 09/20/25 01:50						
Antimony, total	0.0997	0.0010	mg/L	0.100	ND	99.7	75-125	0.545	20	
Arsenic, total	0.0949	0.0020	mg/L	0.100	0.0026	92.3	75-125	4.86	20	
Barium, total	0.123	0.0010	mg/L	0.100	0.0099	113	75-125	0.183	20	
Beryllium, total	0.0983	0.0005	mg/L	0.100	0.0003	98.0	75-125	2.08	20	
Cadmium, total	0.102	0.0002	mg/L	0.100	0.0001	102	75-125	0.326	20	
Chromium, total	0.0958	0.0010	mg/L	0.100	0.0006	95.3	75-125	2.74	20	
Cobalt, total	0.143	0.0005	mg/L	0.100	0.0365	106	75-125	1.05	20	
Copper, total	0.108	0.0050	mg/L	0.100	0.0020	106	75-125	9.76	20	
Lead, total	0.106	0.0010	mg/L	0.100	ND	106	75-125	1.23	20	
Nickel, total	0.166	0.0050	mg/L	0.100	0.0628	103	75-125	5.29	20	
Selenium, total	0.0918	0.0020	mg/L	0.100	ND	91.8	75-125	3.93	20	

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1II1427

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1II1138 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike Dup (1II1138-MSD1) Source: 1II1427-01 Prepared: 09/18/25 15:30 Analyzed: 09/20/25 01:50										
Silver, total	0.106	0.0050	mg/L	0.100	ND	106	75-125	3.60	20	
Thallium, total	0.115	0.0005	mg/L	0.100	0.00006	114	75-125	2.95	20	
Vanadium, total	0.104	0.0020	mg/L	0.100	ND	104	75-125	3.84	20	
Zinc, total	0.432	0.0050	mg/L	0.100	0.311	121	75-125	6.28	20	
Post Spike (1II1138-PS1) Source: 1II1427-01 Prepared: 09/18/25 15:30 Analyzed: 09/20/25 01:52										
Antimony, total	0.0198		mg/L	0.0200	0.0002	97.8	80-120			
Arsenic, total	0.0212		mg/L	0.0200	0.0026	92.9	80-120			
Barium, total	0.0301		mg/L	0.0200	0.0097	102	80-120			
Beryllium, total	0.0194		mg/L	0.0200	0.0003	95.7	80-120			
Cadmium, total	0.0196		mg/L	0.0200	0.0001	97.7	80-120			
Chromium, total	0.0197		mg/L	0.0200	0.0005	95.6	80-120			
Cobalt, total	0.0548		mg/L	0.0200	0.0358	95.1	80-120			
Copper, total	0.0207		mg/L	0.0200	0.0020	93.5	80-120			
Lead, total	0.0209		mg/L	0.0200	0.00006	104	80-120			
Nickel, total	0.0795		mg/L	0.0200	0.0615	89.8	80-120			
Selenium, total	0.0184		mg/L	0.0200	0.0002	91.0	80-120			
Silver, total	0.0220		mg/L	0.0200	0.00005	110	80-120			
Thallium, total	0.0210		mg/L	0.0200	0.00005	105	80-120			
Vanadium, total	0.0197		mg/L	0.0200	0.00004	98.3	80-120			
Zinc, total	0.324		mg/L	0.0200	0.305	95.6	80-120			
Batch 1II1450 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1II1450-BLK1) Prepared: 09/24/25 16:12 Analyzed: 09/25/25 18:01										
Copper, total	<0.0050	0.0050	mg/L							
LCS (1II1450-BS1) Prepared: 09/24/25 16:12 Analyzed: 09/25/25 18:04										
Copper, total	0.103	0.0050	mg/L	0.100		103	80-120			
Matrix Spike (1II1450-MS1) Source: 1II1940-01 Prepared: 09/24/25 16:12 Analyzed: 09/25/25 18:19										
Copper, total	0.0994	0.0050	mg/L	0.100	0.0042	95.2	75-125			
Matrix Spike Dup (1II1450-MSD1) Source: 1II1940-01 Prepared: 09/24/25 16:12 Analyzed: 09/25/25 18:21										
Copper, total	0.101	0.0050	mg/L	0.100	0.0042	96.7	75-125	1.45	20	
Post Spike (1II1450-PS1) Source: 1II1940-01 Prepared: 09/24/25 16:12 Analyzed: 09/25/25 18:24										
Copper, total	0.0230		mg/L	0.0200	0.0042	94.1	80-120			
Batch 1II1723 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1II1723-BLK1) Prepared: 09/30/25 14:35 Analyzed: 10/01/25 20:04										
Copper, total	<0.0050	0.0050	mg/L							
LCS (1II1723-BS1) Prepared: 09/30/25 14:35 Analyzed: 10/01/25 20:07										
Copper, total	0.110	0.0050	mg/L	0.100		110	80-120			
Matrix Spike (1II1723-MS1) Source: 1II0763-14RE1 Prepared: 09/30/25 14:35 Analyzed: 10/01/25 20:12										
Copper, total	0.103	0.0050	mg/L	0.100	ND	103	75-125			
Matrix Spike Dup (1II1723-MSD1) Source: 1II0763-14RE1 Prepared: 09/30/25 14:35 Analyzed: 10/01/25 20:19										

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CERTIFICATE OF ANALYSIS

1111427

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1111723 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Copper, total	0.106	0.0050	mg/L	0.100	ND	106	75-125	2.86	20	
Post Spike (1111723-PS1) Source: 1110763-14RE1 Prepared: 09/30/25 14:35 Analyzed: 10/01/25 20:22										
Copper, total	0.0208		mg/L	0.0200	0.0011	98.6	80-120			

Definitions

B:	The target analyte was detected in the blank at or above the method acceptance criteria.
M1:	Matrix spike recovery is above acceptance limits.
Q2:	LCS recovery is above acceptance limits.
R1:	Duplicate RPD is outside acceptance criteria.
RL:	Reporting Limit
RPD:	Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 0.8°C

Cooler Inspection Checklist

Custody Seals	No	Containers Intact	Yes
COC/Labels Agree	Yes	Preservation Confirmed	No
Received On Ice	Yes		

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.

Reviewed and Approved By:

Heather Murphy
Customer Relationship Specialist
heather.murphy@microbac.com
10/03/25 15:58

CHAIN OF CUSTODY RECORD



600 East 17th Street South
Newton, IA 50208
Phone: 641-792-8451

Page 1 of 02

Printed: 8/26/2025 4:24:55PM

Page 56 of 57

SITE INFORMATION

Sampler:

Project: SCISWA - New Regs
6009

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

Rick Hurt
South Central IA Solid Waste Agency
1736 Highway T17
Tracy, IA 50256

LAB USE ONLY



1 I I 1 4 2 7

HLW Engineering
PM: Heather Murphy

Temperature: 0.8°C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
01-001	MW-307	Aqueous	GRAB	9/15/25	8:16	7	Indfl-app1-metals-6020dfill-app1-voc-group	01
02-001	MW-312	Aqueous	GRAB	9/15/25	10:34	7	Indfl-app1-metals-6020dfill-app1-voc-group	02
03-001	MW-390	Aqueous	GRAB	9/15/25	8:00	7	Indfl-app1-metals-6020dfill-app1-voc-group	03
04-001	MW-300	Aqueous	GRAB	9/15/25	11:42 ~~13:27~~	7	Indfl-app1-metals-6020dfill-app1-voc-group	04
05-001	MW-303	Aqueous	GRAB	9/15/25	13:27	7	Indfl-app1-metals-6020dfill-app1-voc-group	05
06-001	MW-304	Aqueous	GRAB	9/15/25	13:44	7	Indfl-app1-metals-6020dfill-app1-voc-group	06
07-001	MW-313	Aqueous	GRAB	9/15/25	12:54	7	Indfl-app1-metals-6020dfill-app1-voc-group	07
08-001	MW-335	Aqueous	GRAB	9/15/25	13:10	7	Indfl-app1-metals-6020dfill-app1-voc-group	08
09-001	MW-344	Aqueous	GRAB	9/15/25	11:59	7	Indfl-app1-metals-6020dfill-app1-voc-group	09
10-001	MW-380	Aqueous	GRAB	9/15/25	11:23	7	Indfl-app1-metals-6020dfill-app1-voc-group	10

Relinquished By [Signature] Date/Time 9/17/25

Relinquished By _____ Date/Time _____

Received By _____ Date/Time _____

Received for Lab By [Signature] Date/Time 9-12-25 2535

Remarks:

CHAIN OF CUSTODY RECORD



600 East 17th Street South
Newton, IA 50208
Phone: 641-792-8451

Page 2 of 2

Printed: 8/26/2025 4:24:55PM

Page 57 of 57

SITE INFORMATION

Sampler:

Project: SCISWA - New Regs
6009

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

Rick Hurt
South Central IA Solid Waste Agency
1736 Highway T17
Tracy, IA 50256

LAB USE ONLY



1 I I 1 4 2 7

HLW Engineering
PM: Heather Murphy

Temperature: 0.8°C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
11-001	MW-381	Aqueous	GRAB	9/15/25	12:33	7	Indfil-app1-metals-6020dfill-app1-voc-group	11
12-001	MW-382R	Aqueous	GRAB	9/15/25	12:14	7	Indfil-app1-metals-6020dfill-app1-voc-group	12
13-001	GU-4AR	Aqueous	GRAB	9/15/25	8:35	7	Indfil-app1-metals-6020dfill-app1-voc-group	13
14-001	Field Duplicate	Aqueous	GRAB	9/15/25	✓	1	Indfil-app1-metals-6020	14
15-001	MW-601	Aqueous	GRAB	9/15/25	8:45	6*	Indfil-app1-metals-6020dfill-app1-voc-group	15
16-001	MW-602	Aqueous	GRAB	9/15/25	9:10	7	Indfil-app1-metals-6020dfill-app1-voc-group	16
17-001	MW-604	Aqueous	GRAB	9/15/25	9:36	7	Indfil-app1-metals-6020dfill-app1-voc-group	17
18-001	MW-605 Dry	Aqueous	GRAB	—	—	0	Indfil-app1-metals-6020dfill-app1-voc-group	
19-001	MW-603	Aqueous	GRAB	9/15/25	10:03	7	Indfil-app1-metals-6020dfill-app1-voc-group	18

Relinquished By

Date/Time

Relinquished By

Date/Time

Received By

Date/Time

Received for Lab By

Date/Time

Remarks:

* Nitric container was not collected
due to sample equipment error.

Appendix E

Field Turbidity (NTU) Summary

SCISWA Sanitary Landfill

Field Turbidity Over Time

No-Purge Sampling											Max	Min	Ave	Std Dev
	6/16/22	9/1/22	11/15/22	3/6/23	9/29/23	3/19/24	9/26/24	10/3/24	3/25/25	9/15/25				
Well	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU				
300		1.8	6.46	2.3	5.47	3.67		3.67	8.49	1.83	8.49	1.80	4.21	2.41
303		9.73		21.66	22.6	41.19		2.44	3.41	2.61	41.19	2.44	14.81	14.50
304		8.45		23.6	25.62	2.60		3.27	5.62	4.54	25.62	2.60	10.53	9.82
307	1.06	1.72		2.61	5.2	2.50		3.59	2.21	1.21	5.20	1.06	2.51	1.36
312		8.52		43.81	9.35	2.00		2.42	2.34	6.44	43.81	2.00	10.70	14.92
313		23.75		16.43	9.94	21.82		28.39	4.12	120.40	120.40	4.12	32.12	39.80
335		9.06		146.8	22.03	21.04		6.19	23.34	7.56	146.80	6.19	33.72	50.40
344	2.18	6.87		147.2	10.14	5.59		4.67	44.09	171.90	171.90	2.18	49.08	69.79
380		26.56		9.77	10.74	22.41		4.38	9.99	63.05	63.05	4.38	20.99	20.12
381		1.4		24.84	8.36	2.17		2.20	4.08	0.61	24.84	0.61	6.24	8.59
382R		3		47.34	9.64	13.86		8.42	2.05	6.31	47.34	2.05	12.95	15.69
390		6.67		10.35	21.13	4.20		7.14	2.34	1.75	21.13	1.75	7.65	6.65
GU-4AR								2.04	31.39	5.62	31.39	2.04	13.02	
SW-1				2.61					4.68		4.68	2.61	3.65	
601		1.47		2.25	17.62	2.23		3.94	2.52	96.79	96.79	1.47	18.12	35.15
602		25.11		109.9	53.02	42.15		23.71	9.16	17.26	109.90	9.16	40.04	34.19
603		29.96		39.96	15.94	4.48		2.13	4.12	14.97	39.96	2.13	15.94	14.35
604							12.10	2.81	2.76	2.06	12.10	2.06	4.93	4.79
605														
Max	2.18	215.80	6.46	147.20	53.02	42.15	12.10	28.39	44.09	171.90				
Min	1.06	1.40	6.46	1.01	5.20	2.00	12.10	2.04	2.05	0.61				
Median	1.62	8.45	6.46	23.60	10.74	5.59	12.10	3.67	4.12	6.31				
Average	1.62	22.54	6.46	39.67	17.30	12.59	12.10	6.55	9.26	30.88				

Appendix F

Summary of VOC Quantification Limit Exceedances

Spring 2020		Fall 2020	
MW-344*	cis-1,2-dichloroethylene	MW-344*	cis-1,2-dichloroethylene
MW-382R*	1,1-dichloroethane	MW-382R*	1,1-dichloroethane

Spring 2021		Fall 2021	
MW-344*	cis-1,2-dichloroethylene	MW-344*	cis-1,2-dichloroethylene
MW-382R*	1,1-dichloroethane	MW-382R*	1,1-dichloroethane

Spring 2022		Fall 2022	
MW-344*	cis-1,2-dichloroethylene	MW-344*	cis-1,2-dichloroethylene
MW-382R*	1,1-dichloroethane	MW-382R*	None

Spring 2023		Fall 2023	
MW-344*	None	MW-344*	benzene
MW-344*	None	MW-344*	cis-1,2-dichloroethylene
MW-382R*	1,1-dichloroethane	MW-382R*	bis(2ethylhexyl)phthalate

Spring 2024		Fall 2024	
MW-344*	cis-1,2-dichloroethylene	MW-344*	cis-1,2-dichloroethylene
MW-382R*	None	MW-382R*	1,1-dichloroethane

Spring 2025		Fall 2025	
MW-344*	cis-1,2-dichloroethylene	MW-344*	cis-1,2-dichloroethylene
MW-382R*	None	MW-382R*	1,1-dichloroethane

*Assessment Monitoring Well.

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Acetone	GU-4A	9/27/2017		3.19	1.79	ug/L
Acetone	GU-4A	3/14/2018		2.79	1.79	ug/L
Bromomethane	GU-4A	10/20/2016		.433	.220	ug/L
Methylene Chloride	GU-4A	9/25/2014		.802	.170	ug/L
Methylene Chloride	GU-4A	10/20/2016		.303	.170	ug/L
Methylene Chloride	GU-4A	9/27/2017		.335	.170	ug/L
Vinyl Chloride	GU-4A	3/14/2018		.103	.100	ug/L
Acetone	MW-300	3/17/2009		16.40	4.62	ug/L
Acetone	MW-300	3/25/2010		12.50	.00	ug/L
Acetone	MW-300	9/23/2010		12.90	.00	ug/L
Acetone	MW-300	4/16/2014		47.80	1.79	ug/L
Acetone	MW-300	9/26/2017		4.29	1.79	ug/L
Acetone	MW-300	3/14/2018		48.60	1.79	ug/L
Acetone	MW-300	3/28/2019		3.10	3.10	ug/L
Acetone	MW-300	4/15/2021		5.12	3.10	ug/L
Acetone	MW-300	10/27/2021		5.67	3.10	ug/L
Methylene Chloride	MW-300	10/20/2016		.264	.170	ug/L
Methylene Chloride	MW-300	3/07/2017		.214	.170	ug/L
Styrene	MW-300	10/27/2021		.383	.370	ug/L
Xylenes, Total	MW-300	9/25/2013		1.11	.13	ug/L
Acetone	MW-303	9/25/2017		2.21	1.79	ug/L
Carbon Disulfide	MW-303	10/21/2016		.231	.150	ug/L
Carbon Disulfide	MW-303	9/15/2025		1.500	1.000	ug/L
Methylene Chloride	MW-303	9/25/2014		.573	.170	ug/L
Methylene Chloride	MW-303	10/21/2016		.308	.170	ug/L
Methylene Chloride	MW-303	3/13/2018		.226	.170	ug/L
Xylenes, Total	MW-303	9/26/2013		.232	.130	ug/L
Xylenes, Total	MW-303	10/21/2016		.390	.130	ug/L
Xylenes, Total	MW-303	3/08/2017		.459	.130	ug/L
Acetone	MW-304	6/28/2017		3.74	1.79	ug/L
Acetone	MW-304	9/26/2017		2.99	1.79	ug/L
Bromomethane	MW-304	9/26/2017		.372	.220	ug/L
Bromomethane	MW-304	3/14/2018		.448	.220	ug/L
Methylene Chloride	MW-304	1/18/2017		.264	.170	ug/L
Acetone	MW-307	3/08/2017		2.61	1.79	ug/L
Acetone	MW-307	9/25/2017		2.41	1.79	ug/L
Acetonitrile	MW-307	9/26/2013		739	126	ug/L
Carbon Disulfide	MW-307	9/15/2025		3.2	1.0	ug/L
Methylene Chloride	MW-307	10/21/2016		.231	.170	ug/L
Xylenes, Total	MW-307	10/21/2016		.324	.130	ug/L
Xylenes, Total	MW-307	3/08/2017		.362	.130	ug/L
Xylenes, Total	MW-307	3/27/2019		.481	.400	ug/L
Acetone	MW-310	3/08/2017		2.61	1.79	ug/L
Acetone	MW-310	9/27/2017		3.78	1.79	ug/L
Acetone	MW-310	3/14/2018		1.96	1.79	ug/L
Acetonitrile	MW-310	9/26/2013		841	126	ug/L
Methylene Chloride	MW-310	9/25/2014		.756	.170	ug/L
Methylene Chloride	MW-310	10/20/2016		.186	.170	ug/L
Xylenes, Total	MW-310	10/20/2016		.351	.130	ug/L
Xylenes, Total	MW-310	3/08/2017		1.090	.130	ug/L
Xylenes, Total	MW-310	9/27/2017		.363	.130	ug/L
Acetone	MW-312	3/08/2017		2.39	1.79	ug/L
Bromomethane	MW-312	9/25/2017		.233	.220	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
Methylene Chloride	MW-312	10/21/2016		.295	.170	ug/L
Methylene Chloride	MW-312	3/13/2018		.334	.170	ug/L
Xylenes, Total	MW-312	3/08/2017		.654	.130	ug/L
Xylenes, Total	MW-312	10/27/2021		1.050	.400	ug/L
4,4'-DDD	MW-313	9/25/2013		.00214	.00188	ug/L
4,4'-DDE	MW-313	9/25/2013		.00320	.00219	ug/L
Acetone	MW-313	9/26/2014		1.88	1.79	ug/L
Acetone	MW-313	3/08/2017		1.87	1.79	ug/L
Acetone	MW-313	9/25/2017		2.76	1.79	ug/L
Acetone	MW-313	3/27/2019		3.82	3.10	ug/L
alpha-BHC	MW-313	9/25/2013		.00451	.00177	ug/L
beta-BHC	MW-313	9/25/2013		.00598	.00500	ug/L
Bromomethane	MW-313	10/21/2016		2.660	.220	ug/L
Bromomethane	MW-313	9/25/2017		.344	.220	ug/L
Bromomethane	MW-313	10/26/2021		1.280	1.100	ug/L
Chloromethane	MW-313	10/21/2016		.701	.310	ug/L
delta-BHC	MW-313	9/25/2013		.00444	.00240	ug/L
Iodomethane	MW-313	10/21/2016		1.41	.80	ug/L
Methylene Chloride	MW-313	10/21/2016		.277	.170	ug/L
Methylene Chloride	MW-313	3/13/2018		.207	.170	ug/L
Xylenes, Total	MW-313	9/25/2013		.321	.130	ug/L
Xylenes, Total	MW-313	10/21/2016		1.890	.130	ug/L
Xylenes, Total	MW-313	3/08/2017		.786	.130	ug/L
Acetonitrile	MW-333	9/26/2013		.964	.126	ug/L
Acetone	MW-335	9/26/2017		2.49	1.79	ug/L
Acetone	MW-335	3/14/2018		2.33	1.79	ug/L
Bromomethane	MW-335	9/26/2017		.402	.220	ug/L
Chloromethane	MW-335	10/19/2016		.336	.310	ug/L
Methylene Chloride	MW-335	9/25/2014		.617	.170	ug/L
Methylene Chloride	MW-335	10/19/2016		.260	.170	ug/L
Xylenes, Total	MW-335	3/07/2017		.173	.130	ug/L
1,1-Dichloroethane	MW-344	3/07/2017		.290	.210	ug/L
1,1-Dichloroethane	MW-344	9/26/2017		.475	.210	ug/L
1,1-Dichloroethane	MW-344	3/14/2018		.474	.210	ug/L
1,1-Dichloroethane	MW-344	9/15/2020		.408	.220	ug/L
1,1-Dichloroethane	MW-344	4/15/2021		.345	.220	ug/L
1,2-Dichloroethane	MW-344	9/26/2017		.207	.180	ug/L
Acetone	MW-344	3/14/2018		3.22	1.79	ug/L
Acetone	MW-344	3/28/2019		3.61	3.10	ug/L
Benzene	MW-344	9/25/2013		.215	.110	ug/L
Benzene	MW-344	4/15/2014		.268	.110	ug/L
Benzene	MW-344	9/26/2014		.198	.110	ug/L
Benzene	MW-344	3/12/2015		.281	.500	ug/L
Benzene	MW-344	10/19/2016		.594	.110	ug/L
Benzene	MW-344	3/07/2017		.543	.110	ug/L
Benzene	MW-344	9/26/2017		.894	.110	ug/L
Benzene	MW-344	3/14/2018		.715	.110	ug/L
Benzene	MW-344	10/02/2018		.732	.220	ug/L
Benzene	MW-344	9/24/2019		.541	.220	ug/L
Benzene	MW-344	9/15/2020		.836	.220	ug/L
Benzene	MW-344	4/15/2021		.722	.220	ug/L
Benzene	MW-344	10/27/2021		.918	.220	ug/L
Benzene	MW-344	4/14/2022		.390	.220	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Benzene	MW-344	9/29/2023		1.100	1.000	ug/L
Chloroethane	MW-344	9/25/2013		.514	.150	ug/L
Chloroethane	MW-344	9/26/2017		.462	.150	ug/L
cis-1,2-Dichloroethene	MW-344	3/27/2013		.301	.130	ug/L
cis-1,2-Dichloroethene	MW-344	9/25/2013		.976	.130	ug/L
cis-1,2-Dichloroethene	MW-344	4/15/2014		1.300	.130	ug/L
cis-1,2-Dichloroethene	MW-344	9/26/2014		.819	.130	ug/L
cis-1,2-Dichloroethene	MW-344	9/02/2015		1.140	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	3/23/2016		1.120	.010	ug/L
cis-1,2-Dichloroethene	MW-344	10/19/2016		2.040	.130	ug/L
cis-1,2-Dichloroethene	MW-344	3/07/2017		1.820	.130	ug/L
cis-1,2-Dichloroethene	MW-344	9/26/2017		2.480	.130	ug/L
cis-1,2-Dichloroethene	MW-344	3/14/2018		2.240	.130	ug/L
cis-1,2-Dichloroethene	MW-344	10/02/2018		1.900	.210	ug/L
cis-1,2-Dichloroethene	MW-344	3/28/2019		1.180	.210	ug/L
cis-1,2-Dichloroethene	MW-344	9/24/2019		1.820	.210	ug/L
cis-1,2-Dichloroethene	MW-344	3/10/2020		1.360	.210	ug/L
cis-1,2-Dichloroethene	MW-344	9/15/2020		2.440	.210	ug/L
cis-1,2-Dichloroethene	MW-344	4/15/2021		2.020	.210	ug/L
cis-1,2-Dichloroethene	MW-344	10/27/2021		2.180	.210	ug/L
cis-1,2-Dichloroethene	MW-344	4/14/2022		1.270	.210	ug/L
cis-1,2-Dichloroethene	MW-344	9/01/2022		1.900	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	9/29/2023		2.400	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	3/19/2024		1.100	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	10/03/2024		1.800	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	3/25/2025		1.600	1.000	ug/L
cis-1,2-Dichloroethene	MW-344	9/15/2025		1.600	1.000	ug/L
delta-BHC	MW-344	10/02/2018		.0029	.0025	ug/L
Endosulfan I	MW-344	10/02/2018		.00217	.00217	ug/L
Endrin	MW-344	10/02/2018		.00264	.00207	ug/L
gamma-BHC (Lindane)	MW-344	10/02/2018		.00220	.00207	ug/L
Methylene Chloride	MW-344	10/19/2016		.251	.170	ug/L
Vinyl Chloride	MW-344	9/24/2009		1.110	.000	ug/L
Vinyl Chloride	MW-344	3/25/2010		1.030	.000	ug/L
Vinyl Chloride	MW-344	9/22/2011		1.070	.000	ug/L
Vinyl Chloride	MW-344	3/16/2012		1.270	.000	ug/L
Vinyl Chloride	MW-344	9/20/2012		1.500	.000	ug/L
Vinyl Chloride	MW-344	3/27/2013		1.320	.100	ug/L
Vinyl Chloride	MW-344	9/25/2013		.858	.100	ug/L
Vinyl Chloride	MW-344	4/15/2014		.884	.100	ug/L
Vinyl Chloride	MW-344	9/26/2014		.484	.100	ug/L
Vinyl Chloride	MW-344	3/12/2015		.428	1.000	ug/L
Vinyl Chloride	MW-344	10/19/2016		.587	.100	ug/L
Vinyl Chloride	MW-344	3/07/2017		1.050	.100	ug/L
Vinyl Chloride	MW-344	9/26/2017		.705	.100	ug/L
Vinyl Chloride	MW-344	3/14/2018		.569	.100	ug/L
Vinyl Chloride	MW-344	9/24/2019		.513	.180	ug/L
Vinyl Chloride	MW-344	9/15/2020		.903	.180	ug/L
Vinyl Chloride	MW-344	4/15/2021		.840	.180	ug/L
Vinyl Chloride	MW-344	10/27/2021		.986	.180	ug/L
Vinyl Chloride	MW-344	4/14/2022		.383	.180	ug/L
Dichlorodifluoromethane	MW-345	9/25/2013		1.49	.20	ug/L
Methylene Chloride	MW-345	9/25/2014		.596	.170	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Acetone	MW-380	3/09/2017		12.20	1.79	ug/L
Acetone	MW-380	6/28/2017		4.52	1.79	ug/L
Acetone	MW-380	3/14/2018		2.46	1.79	ug/L
Bromomethane	MW-380	3/14/2018		.31	.22	ug/L
Carbon Disulfide	MW-380	9/15/2025		1.7	1.0	ug/L
Methylene Chloride	MW-380	10/20/2016		.30	.17	ug/L
Xylenes, Total	MW-380	3/09/2017		.672	.130	ug/L
Acetone	MW-381	9/26/2017		2.94	1.79	ug/L
Acetone	MW-381	3/14/2018		2.87	1.79	ug/L
Bromomethane	MW-381	9/26/2017		.322	.220	ug/L
Bromomethane	MW-381	3/14/2018		.240	.220	ug/L
Methylene Chloride	MW-381	10/19/2016		.283	.170	ug/L
Xylenes, Total	MW-381	10/19/2016		.242	.130	ug/L
Xylenes, Total	MW-381	3/07/2017		.435	.130	ug/L
1,1-Dichloroethane	MW-382R	3/29/2011		2.90	.00	ug/L
1,1-Dichloroethane	MW-382R	6/25/2011		2.87	.00	ug/L
1,1-Dichloroethane	MW-382R	8/08/2011		2.74	.00	ug/L
1,1-Dichloroethane	MW-382R	9/22/2011		2.15	.00	ug/L
1,1-Dichloroethane	MW-382R	12/05/2011		2.98	.00	ug/L
1,1-Dichloroethane	MW-382R	3/16/2012		2.77	.00	ug/L
1,1-Dichloroethane	MW-382R	9/20/2012		2.10	.00	ug/L
1,1-Dichloroethane	MW-382R	3/27/2013		2.43	.21	ug/L
1,1-Dichloroethane	MW-382R	9/25/2013		2.00	.21	ug/L
1,1-Dichloroethane	MW-382R	4/15/2014		3.54	.21	ug/L
1,1-Dichloroethane	MW-382R	9/26/2014		2.00	.21	ug/L
1,1-Dichloroethane	MW-382R	3/12/2015		2.23	1.00	ug/L
1,1-Dichloroethane	MW-382R	9/02/2015		1.62	1.00	ug/L
1,1-Dichloroethane	MW-382R	3/23/2016		1.65	1.00	ug/L
1,1-Dichloroethane	MW-382R	10/19/2016		2.31	.21	ug/L
1,1-Dichloroethane	MW-382R	3/07/2017		1.81	.21	ug/L
1,1-Dichloroethane	MW-382R	9/26/2017		1.93	.21	ug/L
1,1-Dichloroethane	MW-382R	3/14/2018		2.60	.21	ug/L
1,1-Dichloroethane	MW-382R	10/02/2018		1.51	.22	ug/L
1,1-Dichloroethane	MW-382R	3/28/2019		1.60	.22	ug/L
1,1-Dichloroethane	MW-382R	9/24/2019		1.71	.22	ug/L
1,1-Dichloroethane	MW-382R	3/10/2020		1.74	.22	ug/L
1,1-Dichloroethane	MW-382R	9/16/2020		2.00	.22	ug/L
1,1-Dichloroethane	MW-382R	4/15/2021		1.41	.22	ug/L
1,1-Dichloroethane	MW-382R	10/27/2021		1.69	.22	ug/L
1,1-Dichloroethane	MW-382R	4/14/2022		1.09	.22	ug/L
1,1-Dichloroethane	MW-382R	3/06/2023		1.40	1.00	ug/L
1,1-Dichloroethane	MW-382R	10/03/2024		1.40	1.00	ug/L
1,1-Dichloroethane	MW-382R	9/15/2025		1.20	1.00	ug/L
Acetone	MW-382R	3/14/2018		2.06	1.79	ug/L
Bis(2-ethylhexyl)phthalate	MW-382R	9/29/2023		16	6	ug/L
Bromomethane	MW-382R	3/14/2018		.253	.220	ug/L
Carbon Disulfide	MW-382R	9/15/2025		1.5	1.0	ug/L
Chloroethane	MW-382R	9/25/2013		.433	.150	ug/L
cis-1,2-Dichloroethene	MW-382R	3/27/2013		.383	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	9/25/2013		.320	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	4/15/2014		.267	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	9/26/2014		.270	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	10/19/2016		.414	.130	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
cis-1,2-Dichloroethene	MW-382R	3/07/2017		.385	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	9/26/2017		.484	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	3/14/2018		.449	.130	ug/L
cis-1,2-Dichloroethene	MW-382R	10/02/2018		.401	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	3/28/2019		.439	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	9/24/2019		.345	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	9/16/2020		.487	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	4/15/2021		.289	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	10/27/2021		.406	.210	ug/L
cis-1,2-Dichloroethene	MW-382R	4/14/2022		.307	.210	ug/L
Dichlorodifluoromethane	MW-382R	3/16/2012		3.110	.000	ug/L
Dichlorodifluoromethane	MW-382R	3/27/2013		2.400	.200	ug/L
Dichlorodifluoromethane	MW-382R	9/25/2013		2.730	.200	ug/L
Dichlorodifluoromethane	MW-382R	4/15/2014		2.140	.200	ug/L
Dichlorodifluoromethane	MW-382R	9/26/2014		2.700	.200	ug/L
Dichlorodifluoromethane	MW-382R	3/12/2015		1.590	.200	ug/L
Dichlorodifluoromethane	MW-382R	10/19/2016		1.770	.200	ug/L
Dichlorodifluoromethane	MW-382R	3/07/2017		1.860	.200	ug/L
Dichlorodifluoromethane	MW-382R	9/26/2017		.898	.200	ug/L
Dichlorodifluoromethane	MW-382R	3/14/2018		1.110	.200	ug/L
Dichlorodifluoromethane	MW-382R	10/02/2018		.962	.250	ug/L
Methylene Chloride	MW-382R	3/27/2013		.193	.170	ug/L
Methylene Chloride	MW-382R	10/19/2016		.394	.170	ug/L
Methylene Chloride	MW-382R	3/07/2017		.312	.170	ug/L
Vinyl Chloride	MW-382R	9/25/2013		.345	.100	ug/L
Vinyl Chloride	MW-382R	3/14/2018		.296	.100	ug/L
Vinyl Chloride	MW-382R	4/15/2021		.206	.180	ug/L
Vinyl Chloride	MW-382R	10/27/2021		.241	.180	ug/L
Xylenes, Total	MW-382R	9/25/2013		.134	.130	ug/L
Acetonitrile	MW-383	9/26/2013		1170	126	ug/L
Methylene Chloride	MW-383	3/27/2013		.238	.170	ug/L
Methylene Chloride	MW-383	9/25/2014		.424	.170	ug/L
1,2-Dichloroethane	MW-384	3/14/2018		.195	.180	ug/L
Acetone	MW-384	3/09/2017		2.77	1.79	ug/L
Acetone	MW-384	9/27/2017		2.49	1.79	ug/L
Bromomethane	MW-384	10/20/2016		.313	.220	ug/L
Methylene Chloride	MW-384	9/25/2014		.520	.170	ug/L
Methylene Chloride	MW-384	9/27/2017		.292	.170	ug/L
Xylenes, Total	MW-384	9/01/2015		3.000	3.000	ug/L
Xylenes, Total	MW-384	10/20/2016		.707	.130	ug/L
Xylenes, Total	MW-384	3/09/2017		.949	.130	ug/L
Acetone	MW-385	3/08/2017		3.51	1.79	ug/L
Acetone	MW-385	9/27/2017		3.14	1.79	ug/L
Bromomethane	MW-385	10/20/2016		.599	.220	ug/L
Methylene Chloride	MW-385	3/28/2013		.343	.170	ug/L
Methylene Chloride	MW-385	9/25/2014		.448	.170	ug/L
Methylene Chloride	MW-385	10/20/2016		.224	.170	ug/L
Methylene Chloride	MW-385	3/08/2017		.501	.170	ug/L
Methylene Chloride	MW-385	9/27/2017		.380	.170	ug/L
Xylenes, Total	MW-385	10/20/2016		.387	.130	ug/L
Xylenes, Total	MW-385	3/08/2017		.898	.130	ug/L
Xylenes, Total	MW-385	9/27/2017		.164	.130	ug/L
Acetone	MW-390	3/08/2017		7.42	1.79	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

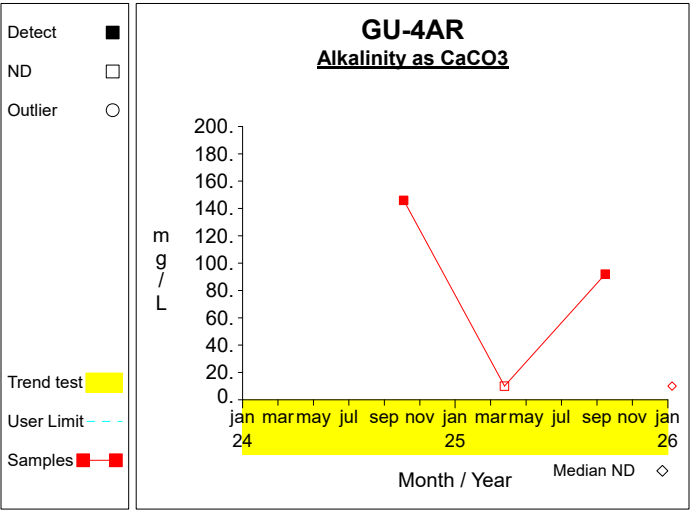
Constituent	Well	Date	Identifier	Result	Limit	Units
Acetone	MW-390	9/25/2017		2.90	1.79	ug/L
Acetone	MW-390	3/27/2019		3.35	3.10	ug/L
Acetone	MW-390	3/09/2020		5.37	3.10	ug/L
Carbon Disulfide	MW-390	9/25/2017		.177	.150	ug/L
Methylene Chloride	MW-390	10/21/2016		.397	.170	ug/L
Methylene Chloride	MW-390	3/13/2018		.209	.170	ug/L
Xylenes, Total	MW-390	10/21/2016		.464	.130	ug/L
Xylenes, Total	MW-390	3/08/2017		.566	.130	ug/L
Xylenes, Total	MW-390	3/27/2019		1.050	.400	ug/L
Benzene	MW-603	3/10/2020		.312	.220	ug/L
Carbon Disulfide	MW-603	9/15/2025		2.4	1.0	ug/L
Carbon Disulfide	MW-604	9/15/2025		1	1	ug/L

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

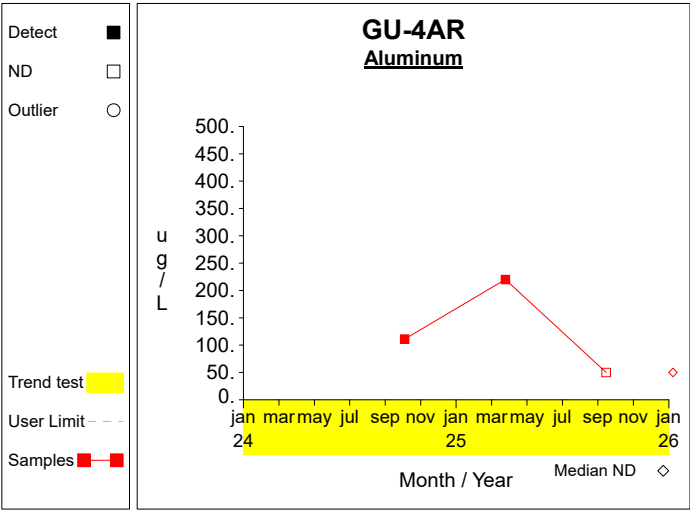
Appendix G

Time Series Graphs – Inorganic Compounds Site Monitoring Points

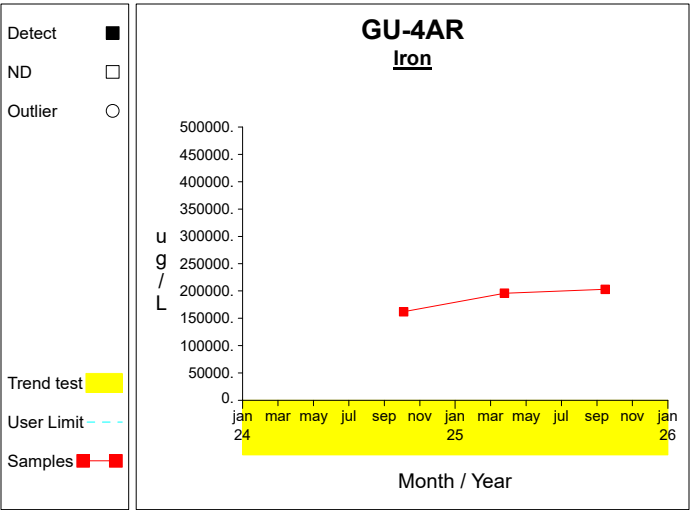
Time Series



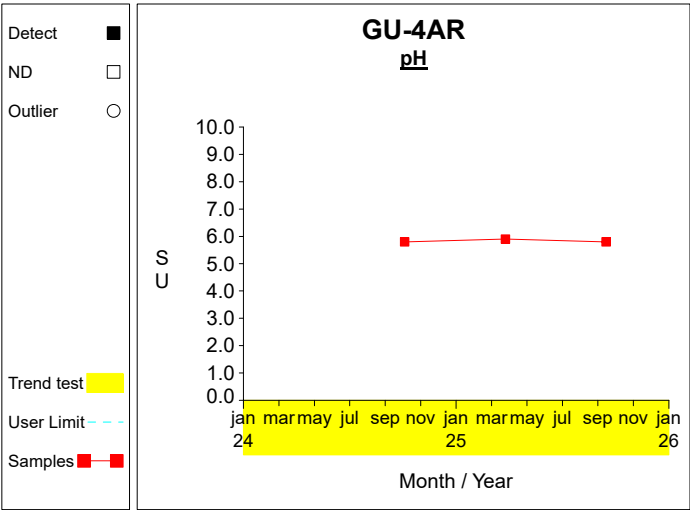
Graph 1



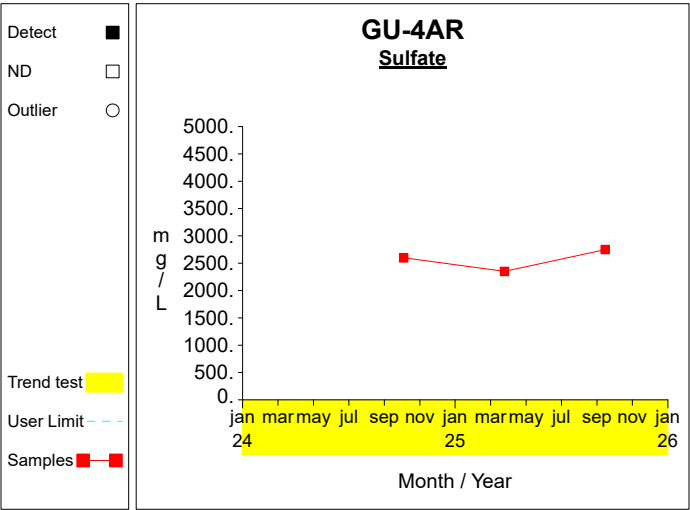
Graph 2



Graph 3

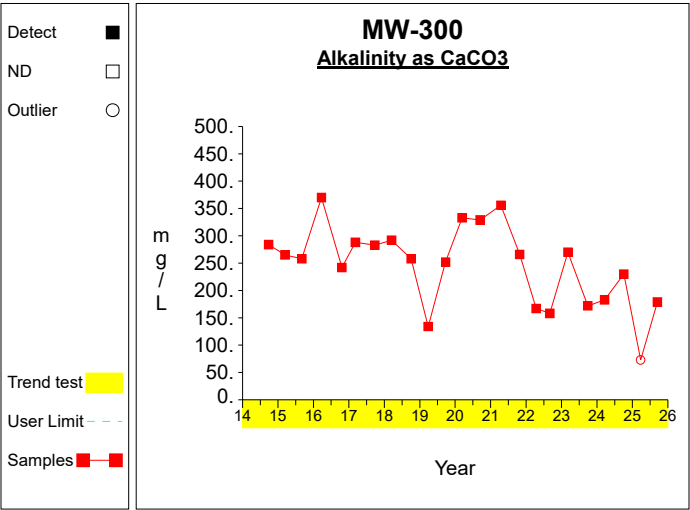


Graph 4

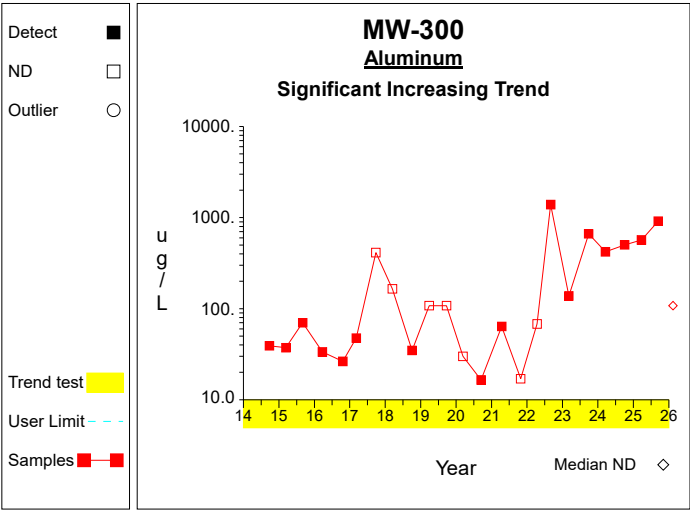


Graph 5

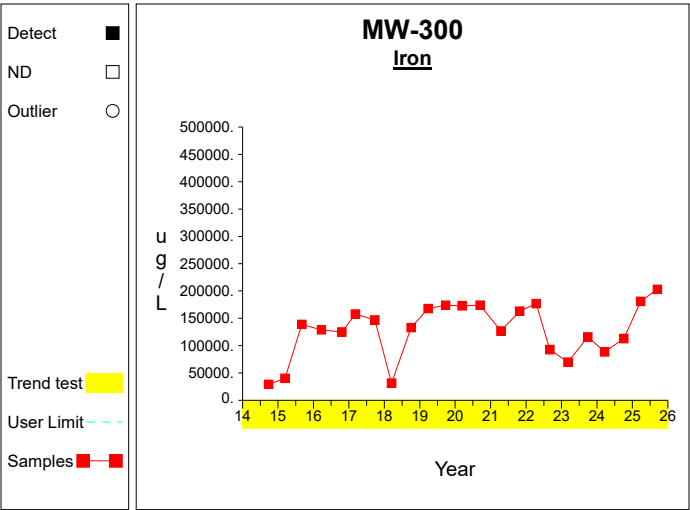
Time Series



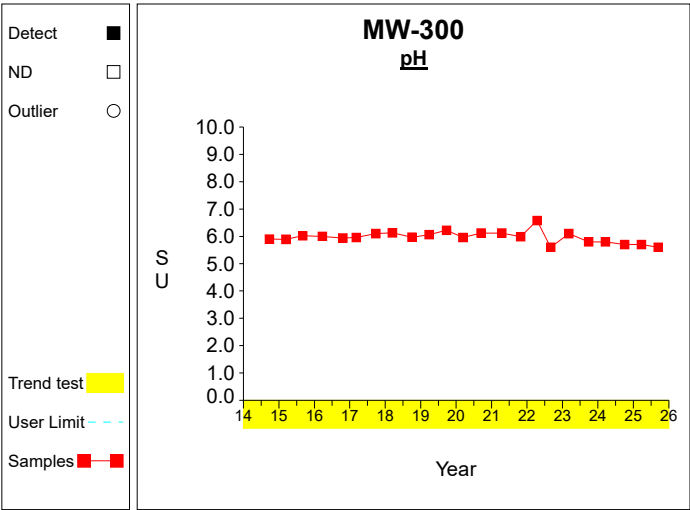
Graph 6



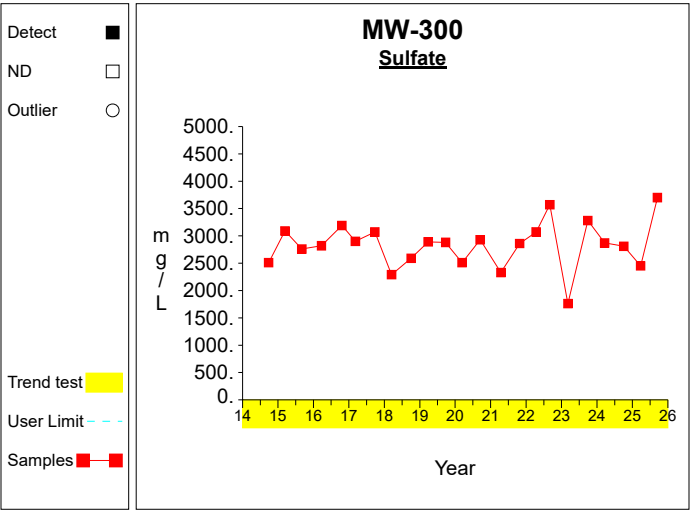
Graph 7



Graph 8

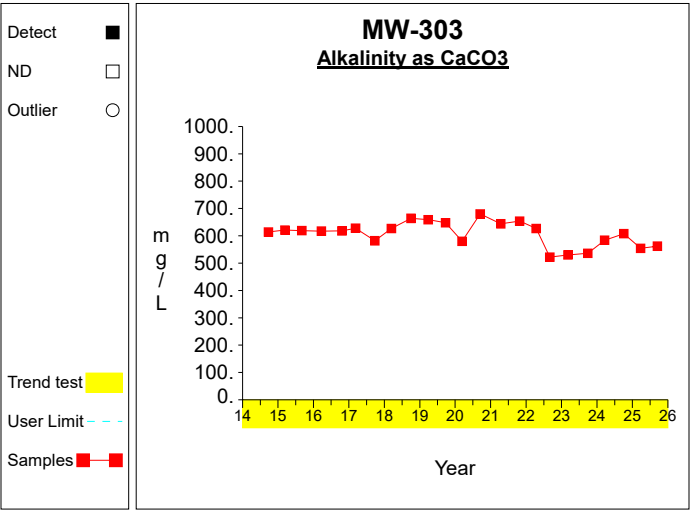


Graph 9

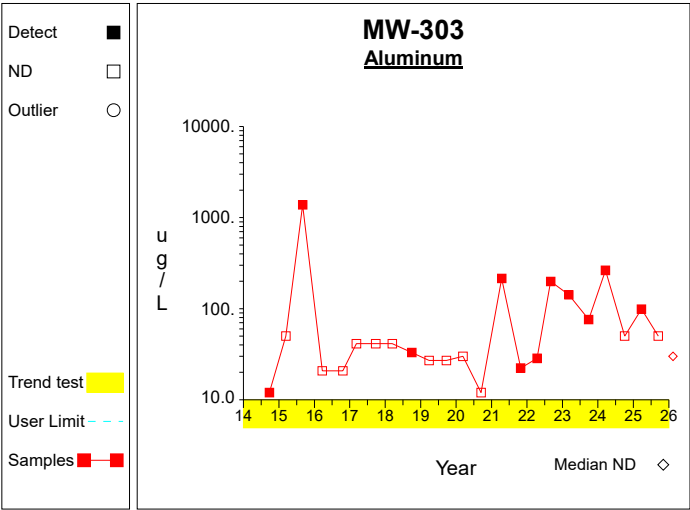


Graph 10

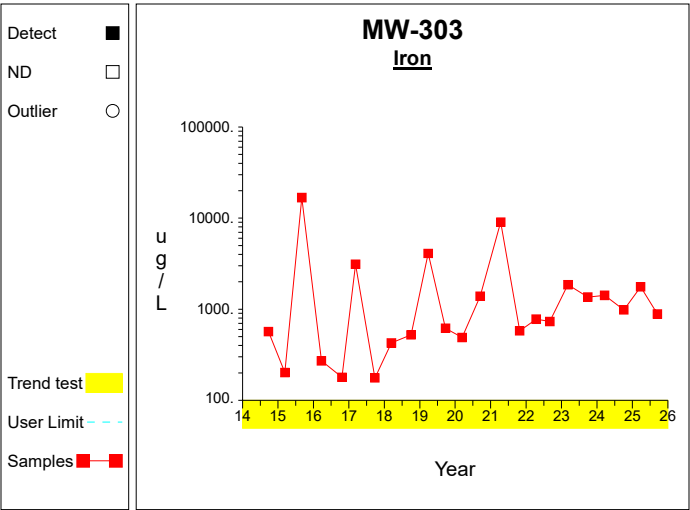
Time Series



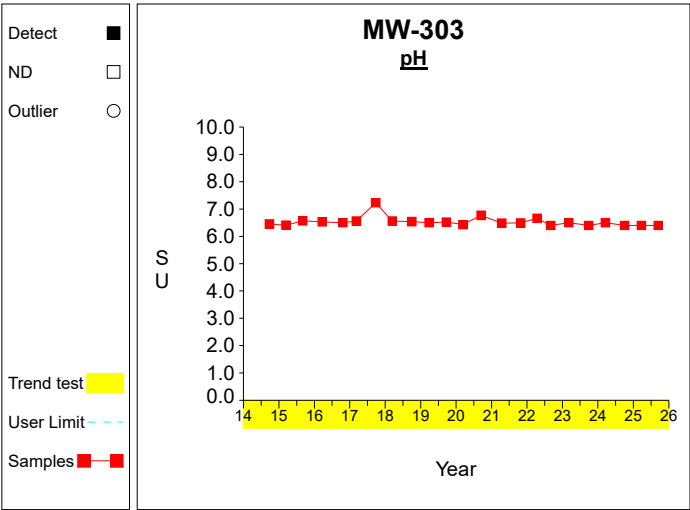
Graph 11



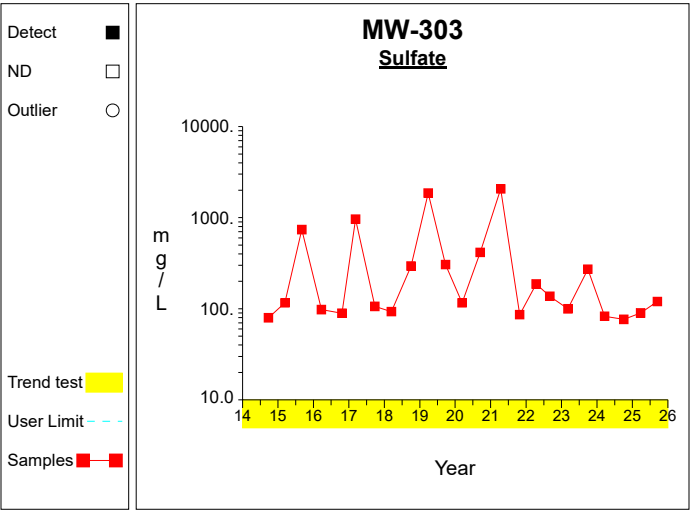
Graph 12



Graph 13



Graph 14



Graph 15

MW-304
Alkalinity as CaCO₃

mg / L

Year

Year	Alkalinity (mg/L)
16	470
17	450
18	420
19	400
20	420
21	420
22	450
23	350
24	370
25	390
26	370

MW-304
Aluminum

Year	u9 / L	Detect	ND	Outlier	Trend test	User Limit	Samples	Median ND
16	60				Yes	100	■	
17	105				Yes	100	■	
18	45				Yes	100	□	
19	45				Yes	100	□	
20	30				Yes	100	□	
21	15				No	100	□	
22	65				No	100	□	
23	100				No	100	□	
24	50				No	100	□	
25	50				No	100	■	
26	45				No	100	□	◇

MW-304
Iron

Y-axis: ug / L (log scale: 10.0, 100, 1000, 10000, 100000)

X-axis: Year (16 to 26)

Legend:

- Detect: ■
- ND: □
- Outlier: ○
- Trend test:
- User Limit: ---
- Samples: ■—■
- Median ND: ◇

Year	Concentration (ug/L)	Category
16	2000	Detect
17	8000	Detect
18	10000	Detect
19	5000	Detect
20	3000	Detect
21	8000	Detect
22	10000	Detect
23	1500	Detect
24	4000	Detect
25	1000	Detect
26	100	Median ND

MW-304
Sulfate

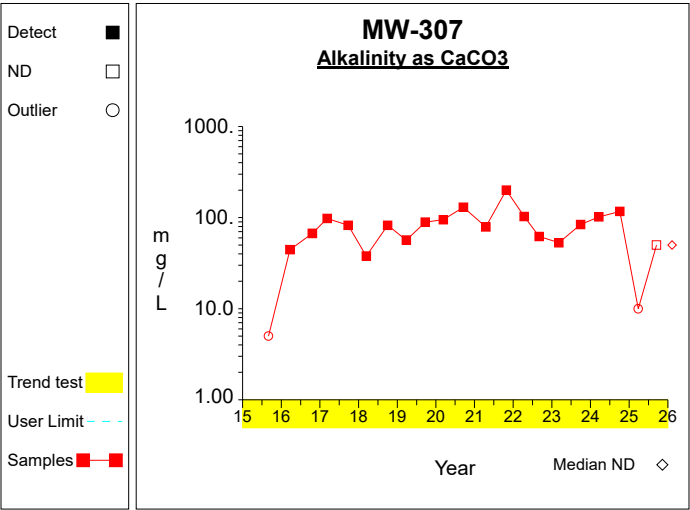
Legend:
 Detect: ■
 ND: □
 Outlier: ○

Y-axis: mg / L (log scale: 10.0, 100, 1000, 10000)
 X-axis: Year (16 to 26)

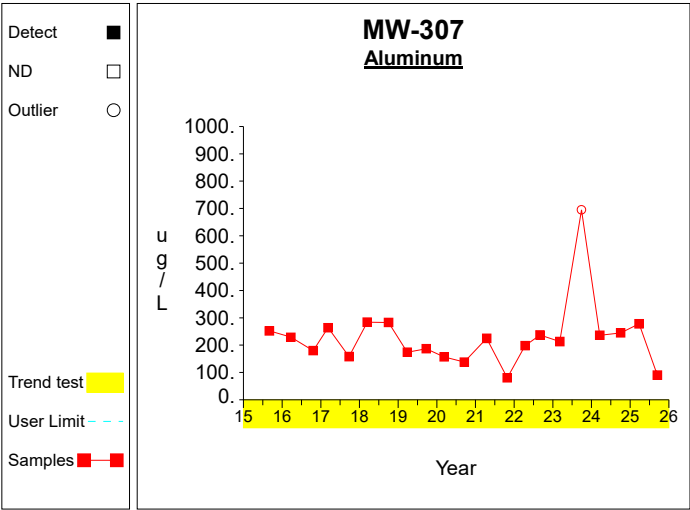
Year	Concentration (mg/L)	Type
16	70	Detect
17	120	Detect
18	90	Detect
19	100	Detect
20	150	Detect
21	150	Detect
22	600	Detect
23	150	Detect
24	80	Detect
25	40	Detect
26	45	Detect
21	1000	Outlier
22	1100	Outlier

Prepared by: Otter Creek Environmental

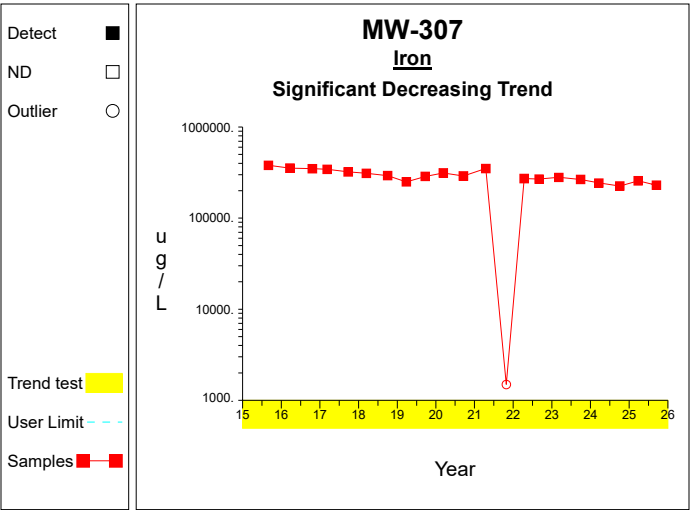
Time Series



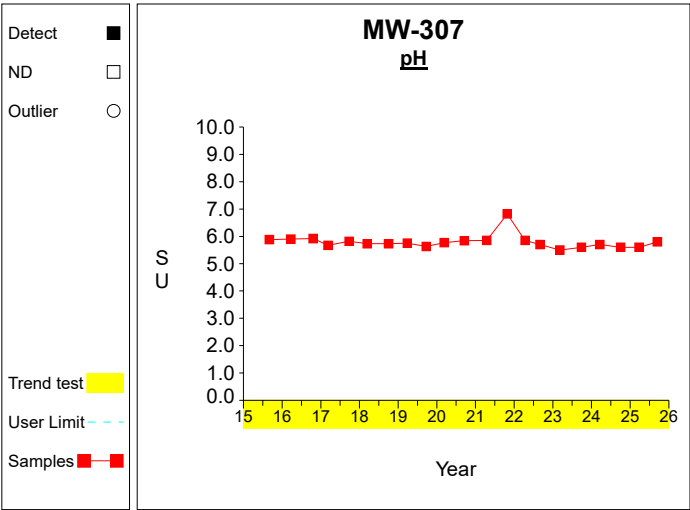
Graph 21



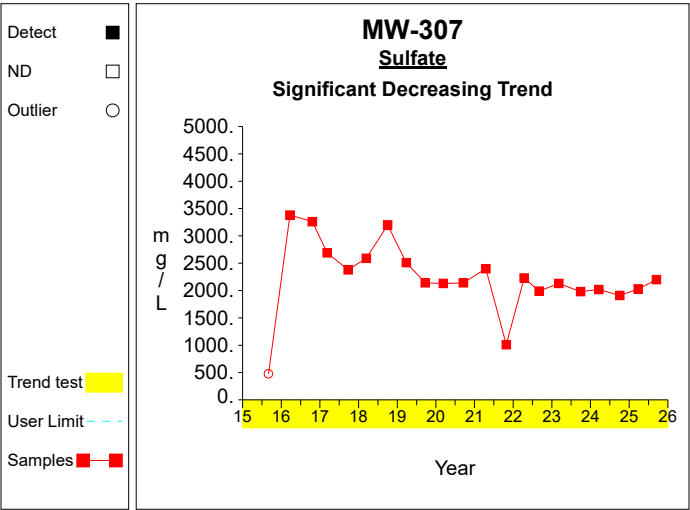
Graph 22



Graph 23

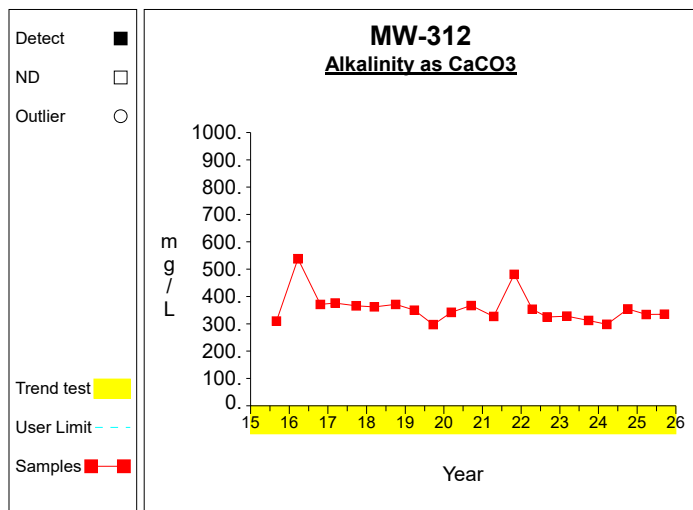


Graph 24

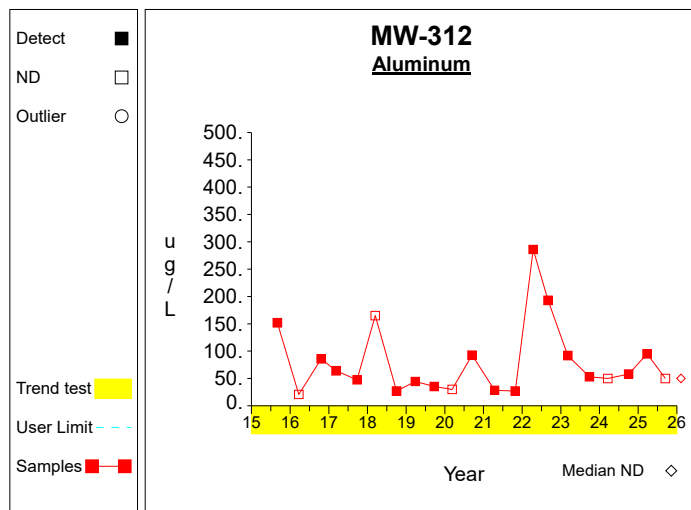


Graph 25

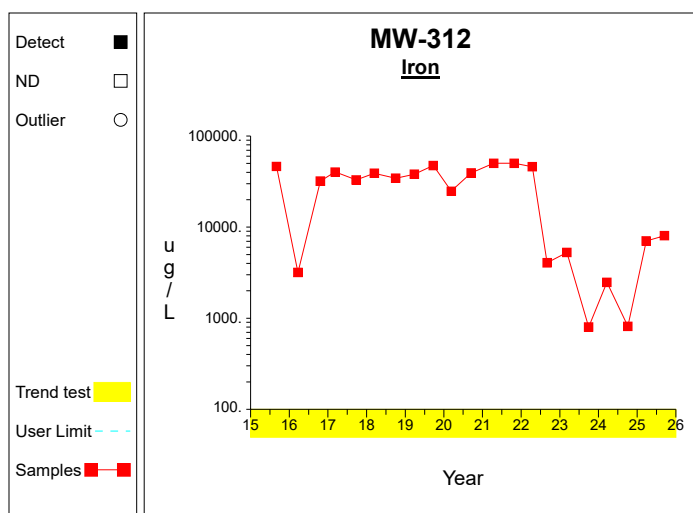
Time Series



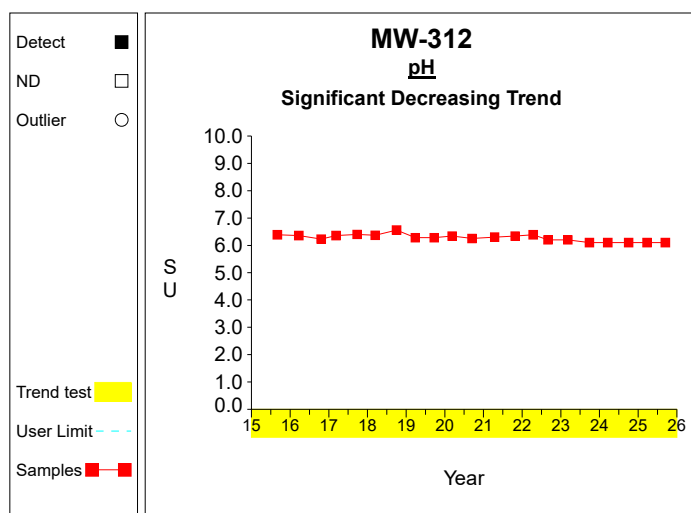
Graph 26



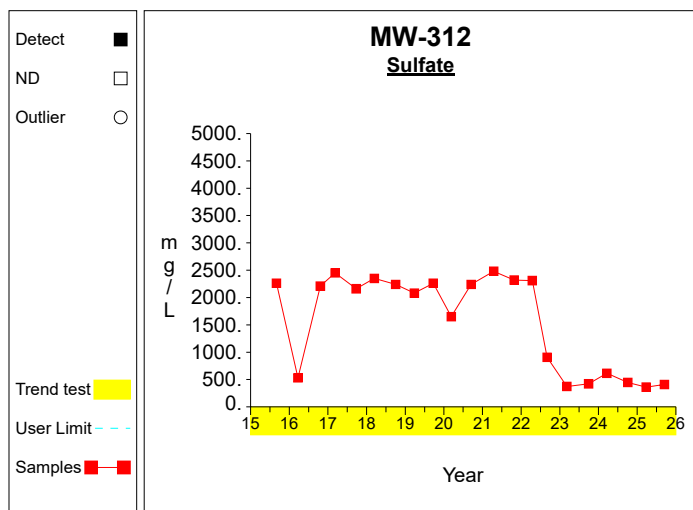
Graph 27



Graph 28

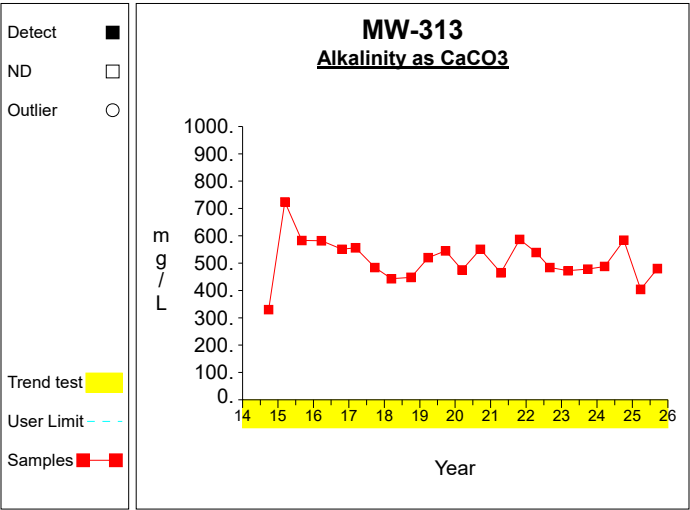


Graph 29

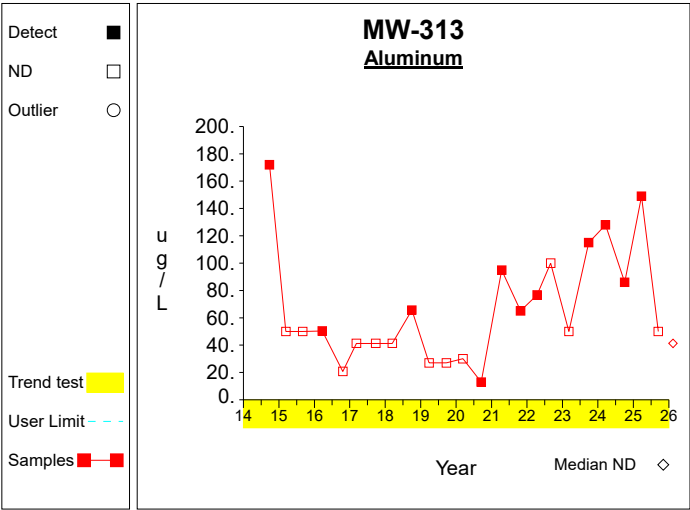


Graph 30

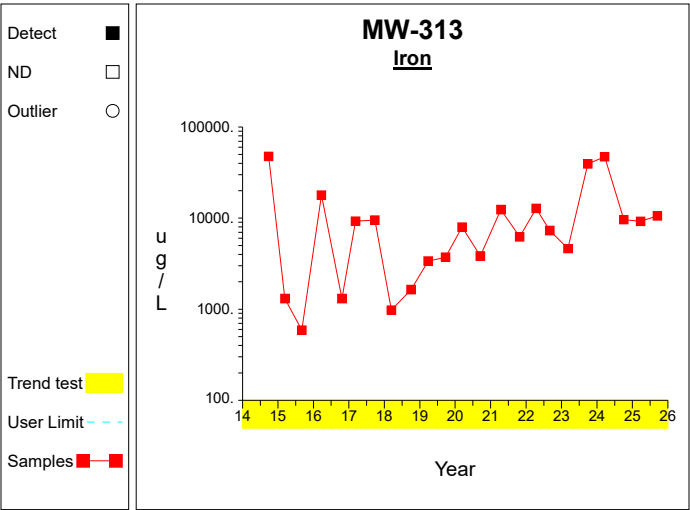
Time Series



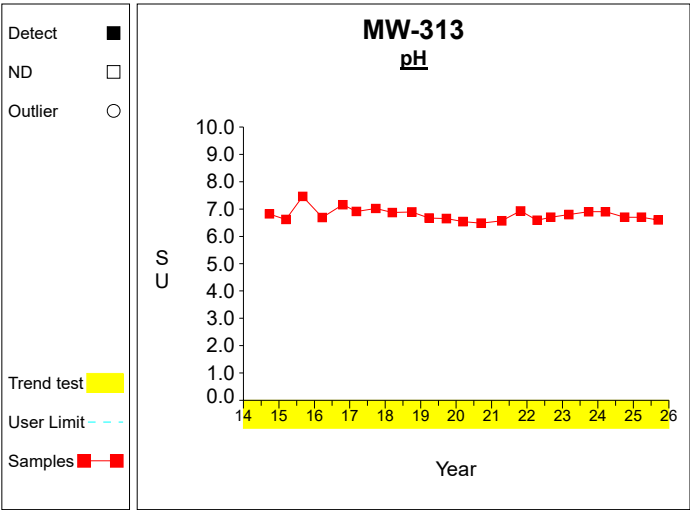
Graph 31



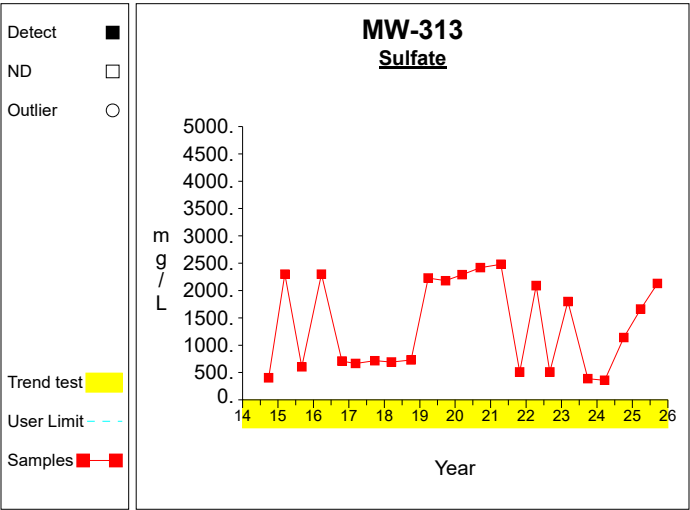
Graph 32



Graph 33

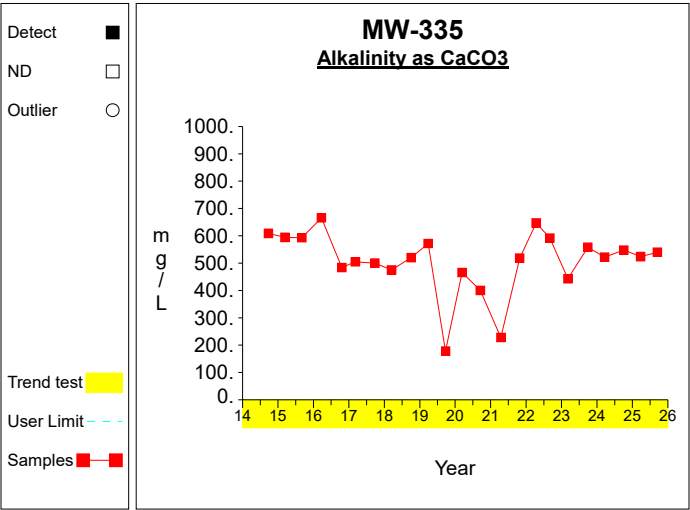


Graph 34

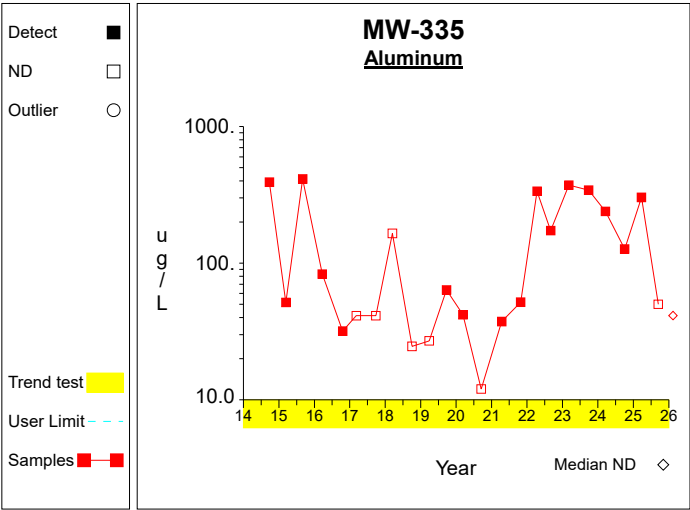


Graph 35

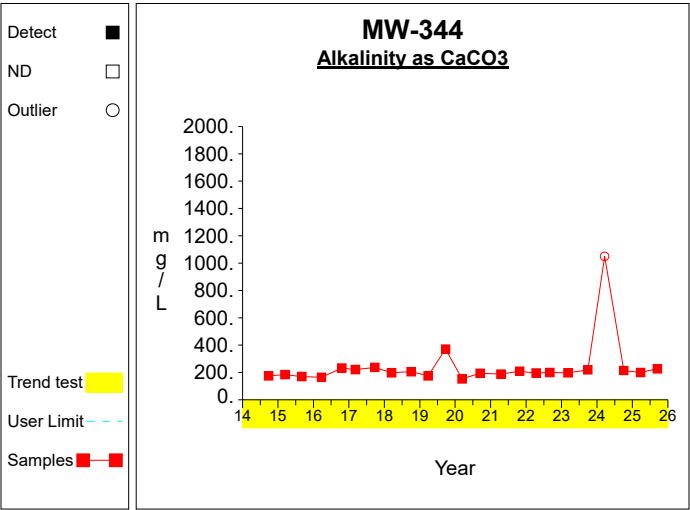
Time Series



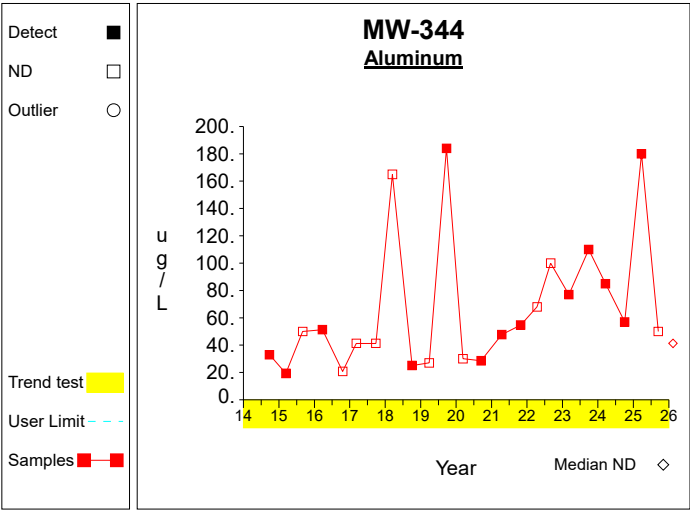
Graph 36



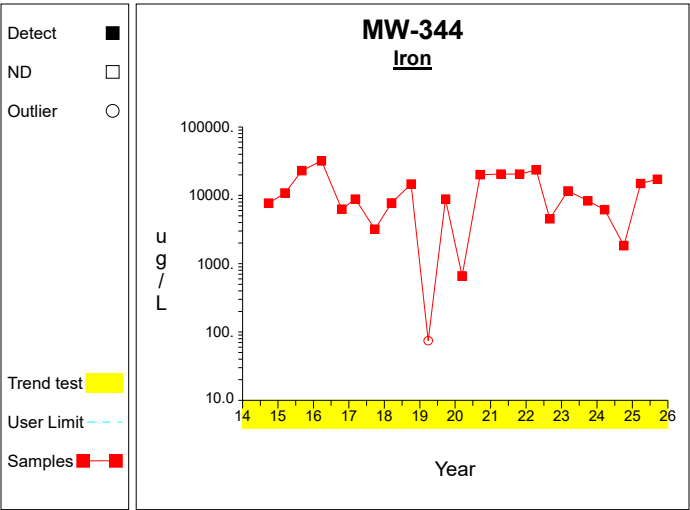
Time Series



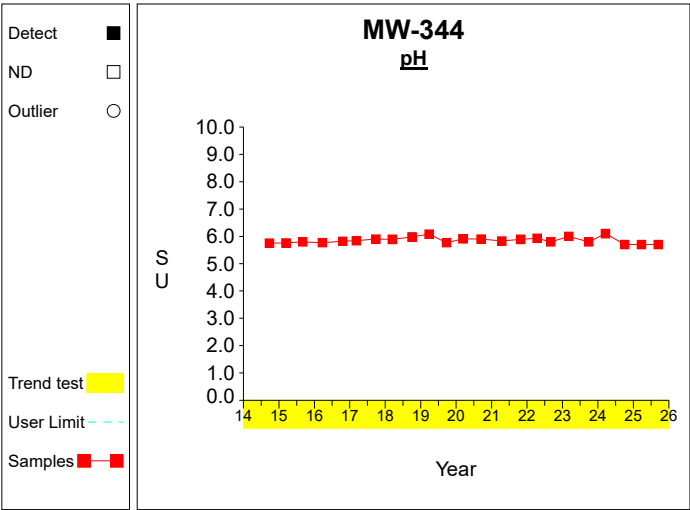
Graph 41



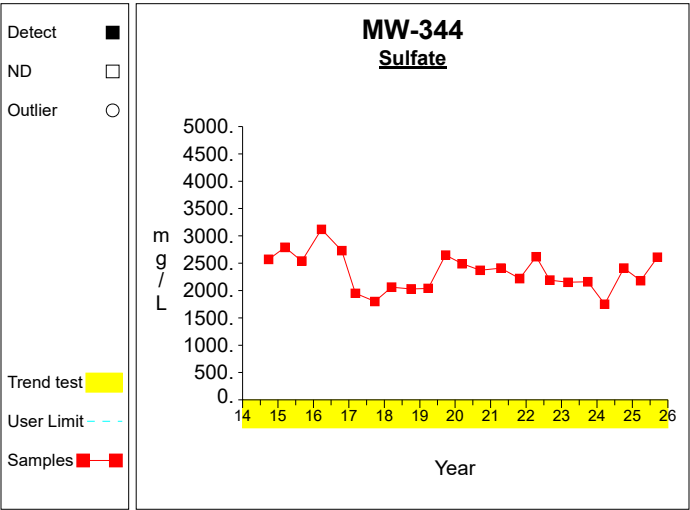
Graph 42



Graph 43

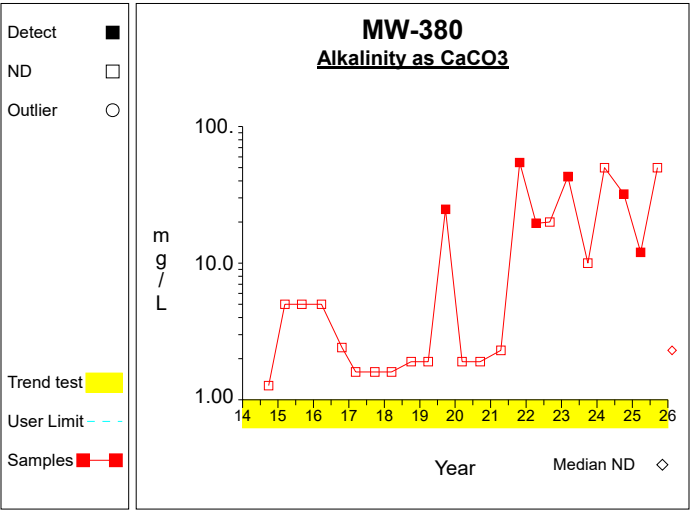


Graph 44

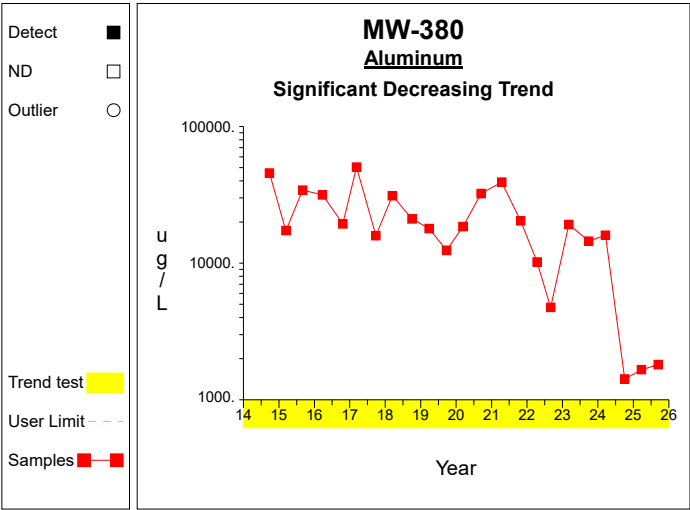


Graph 45

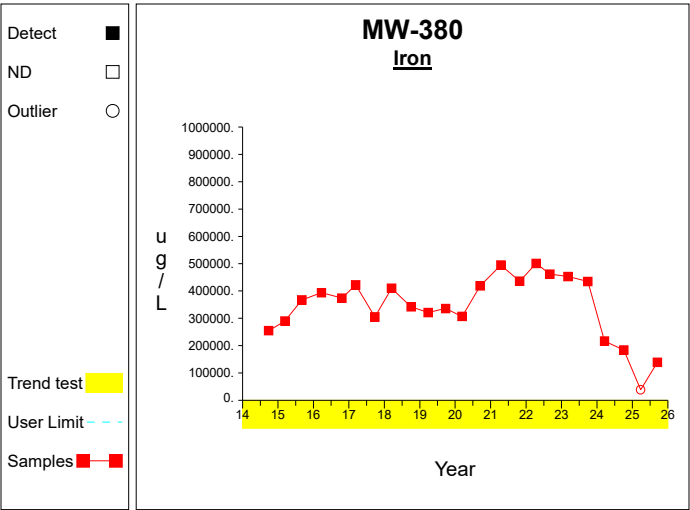
Time Series



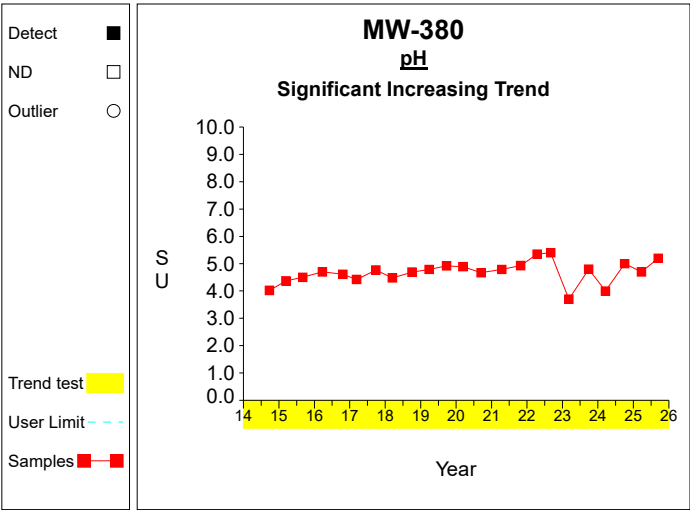
Graph 46



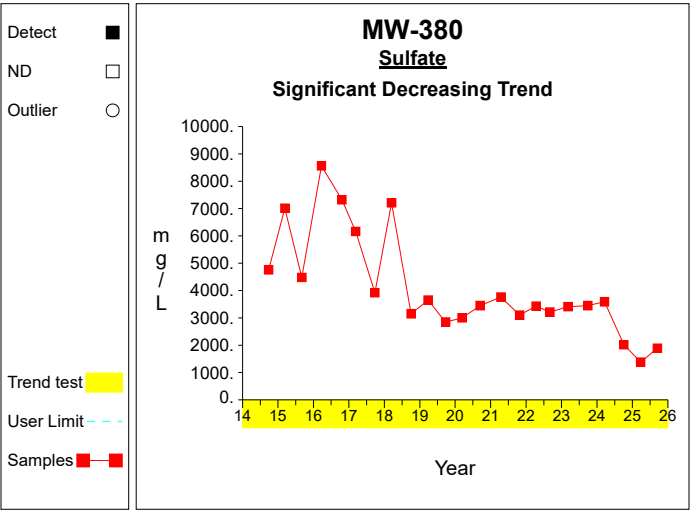
Graph 47



Graph 48

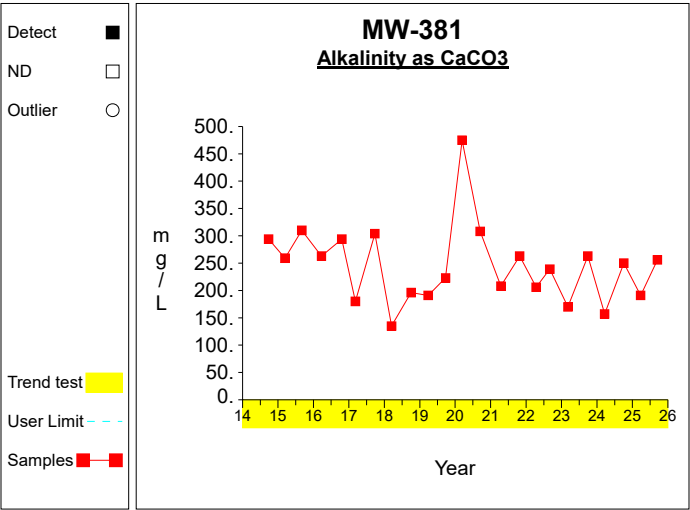


Graph 49

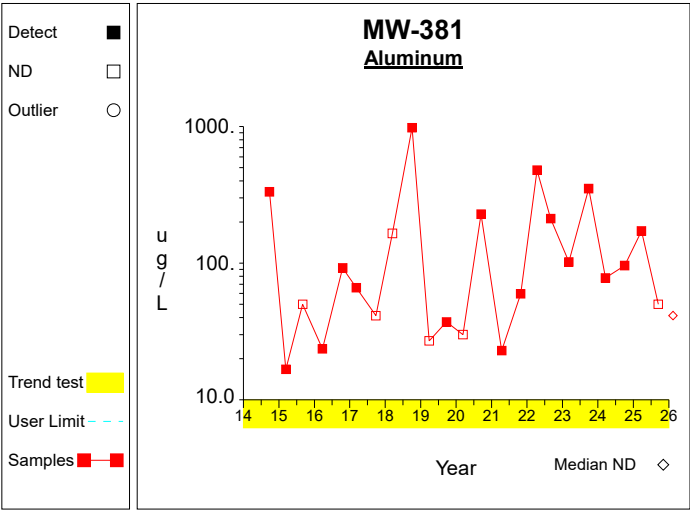


Graph 50

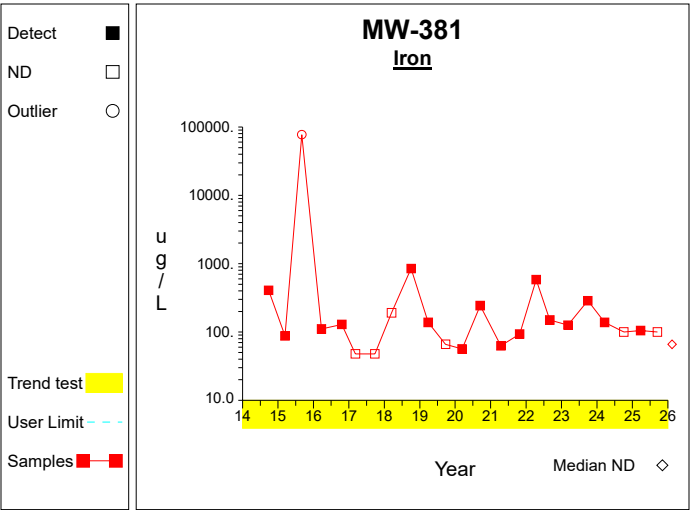
Time Series



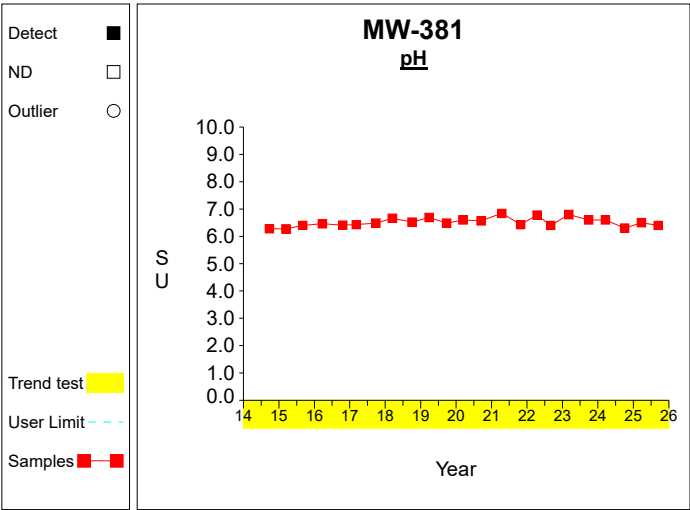
Graph 51



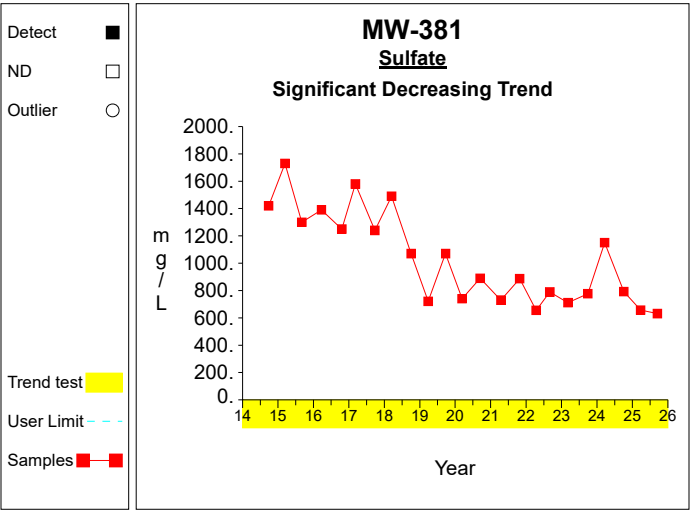
Graph 52



Graph 53

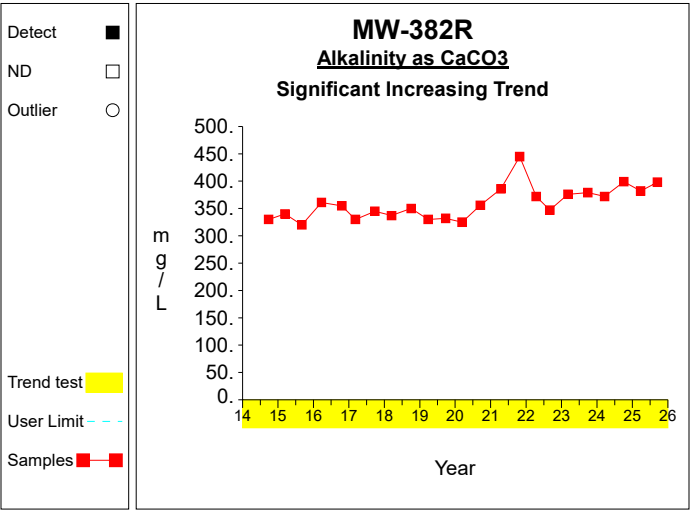


Graph 54

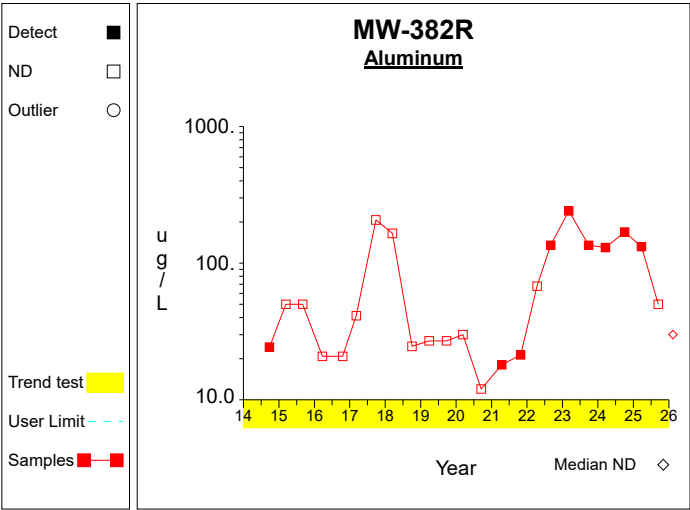


Graph 55

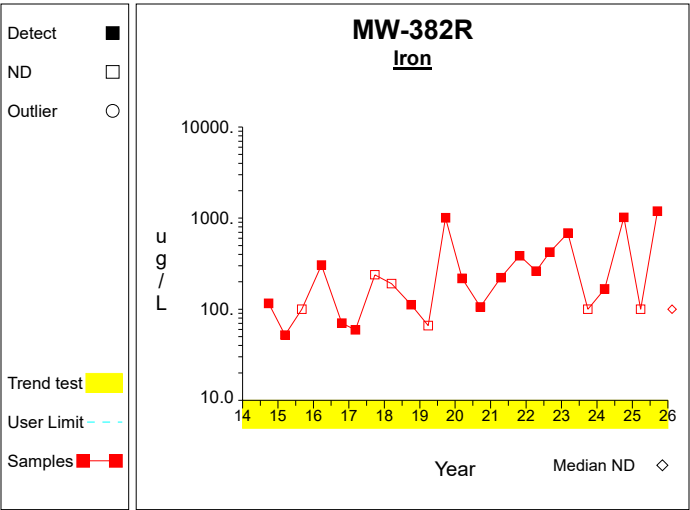
Time Series



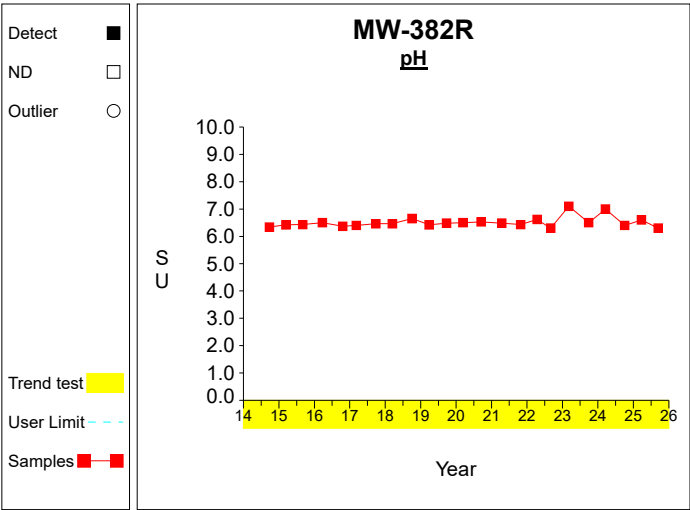
Graph 56



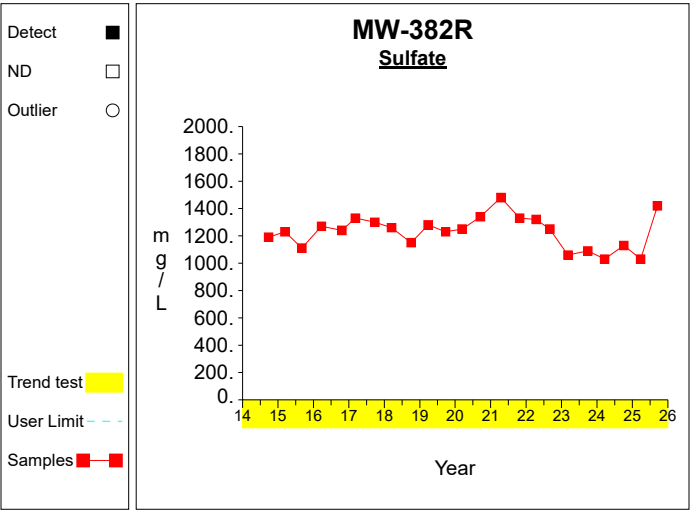
Graph 57



Graph 58

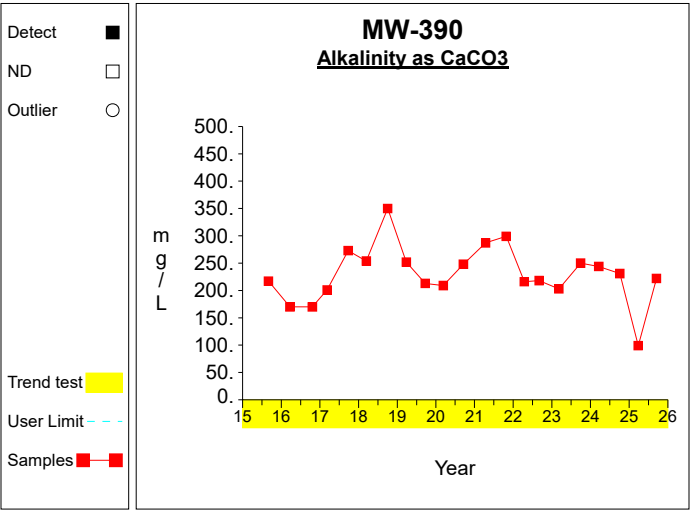


Graph 59

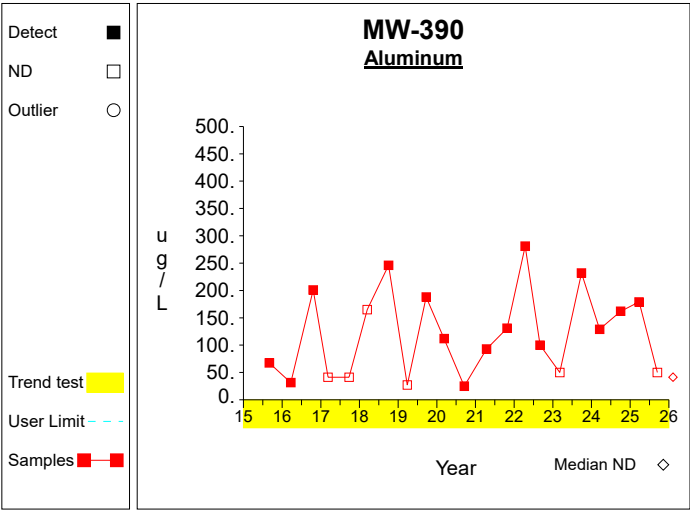


Graph 60

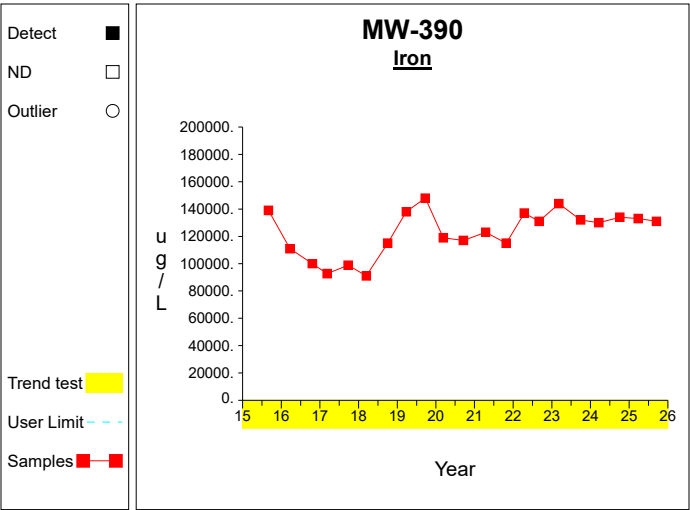
Time Series



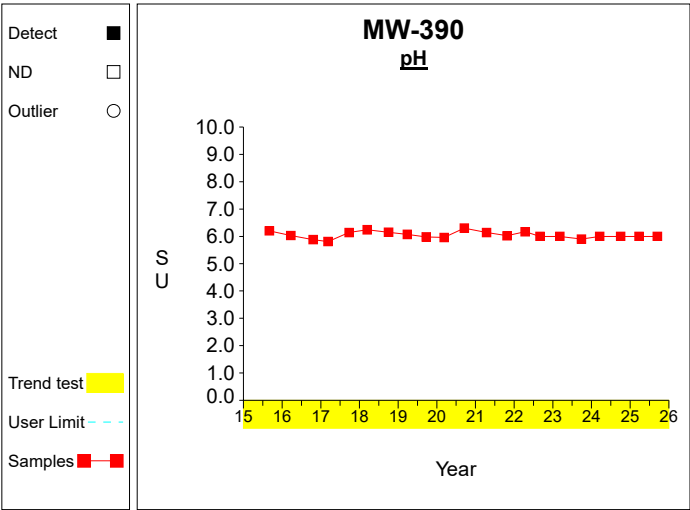
Graph 61



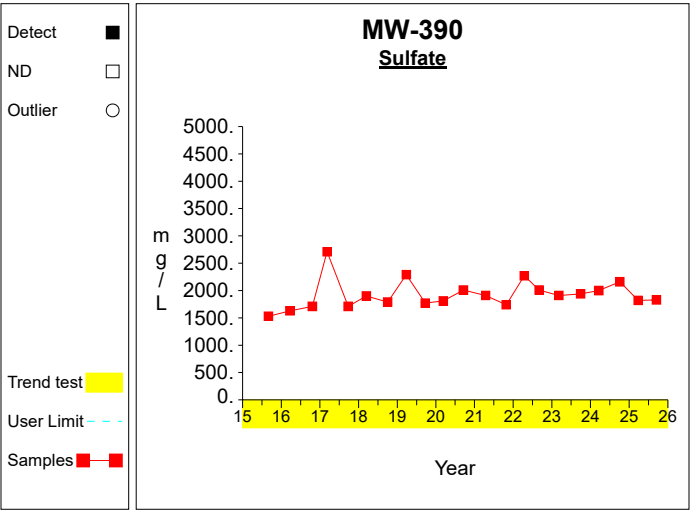
Graph 62



Graph 63

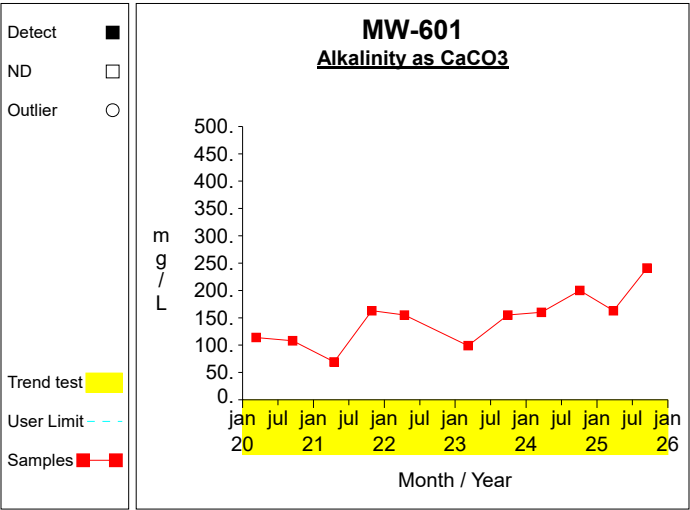


Graph 64

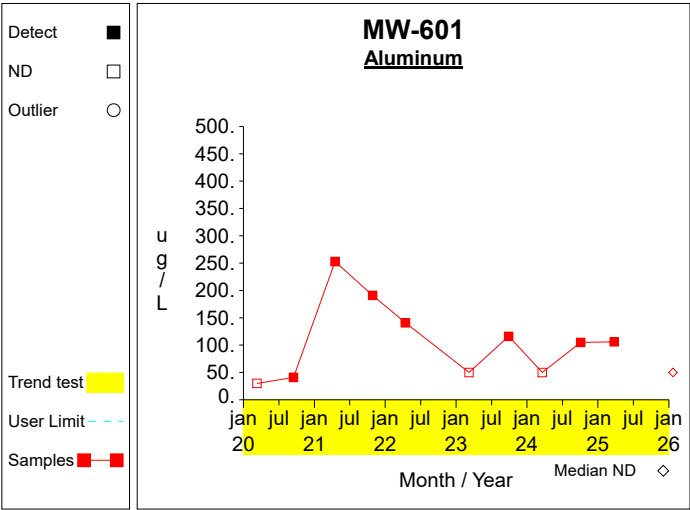


Graph 65

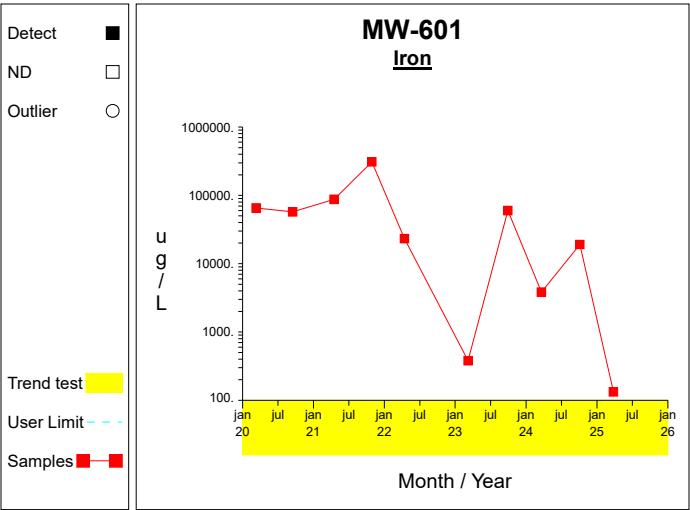
Time Series



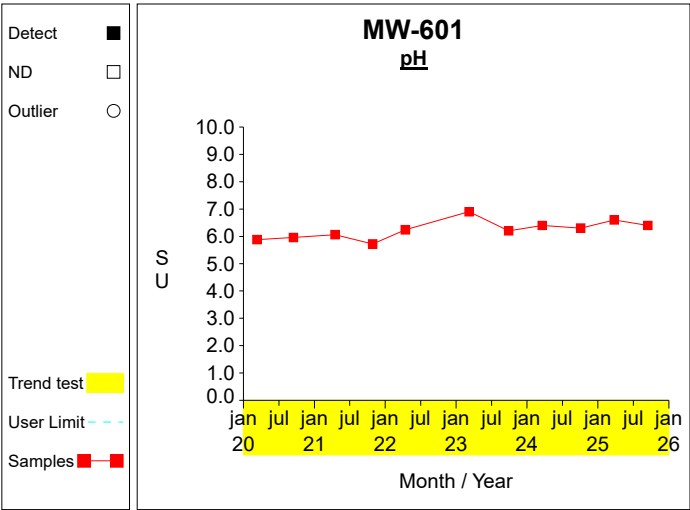
Graph 66



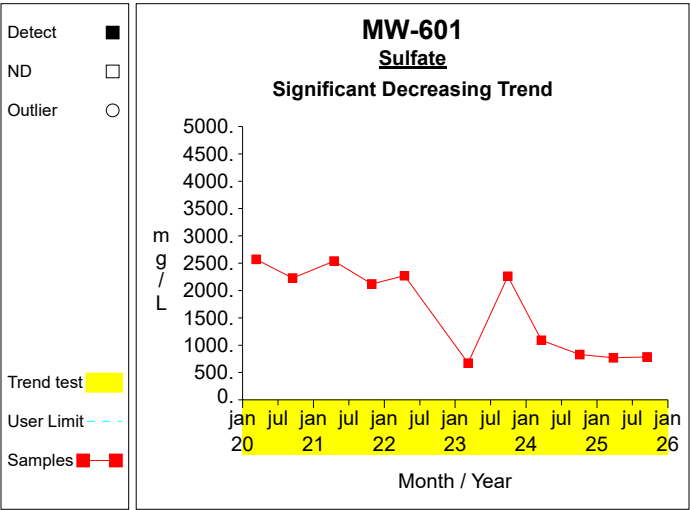
Graph 67



Graph 68

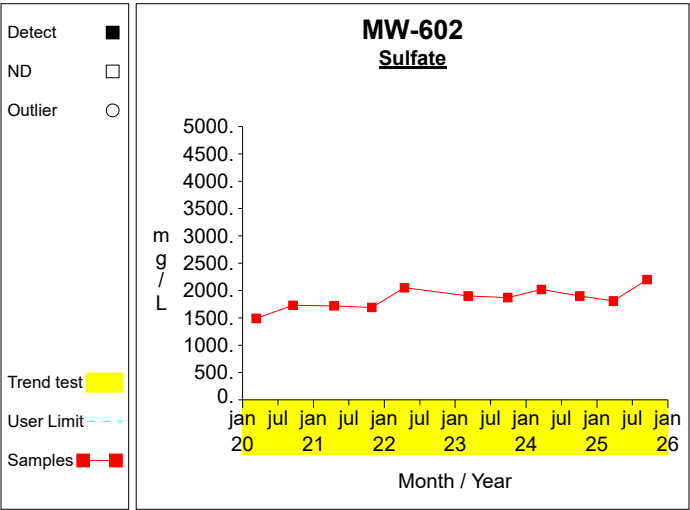
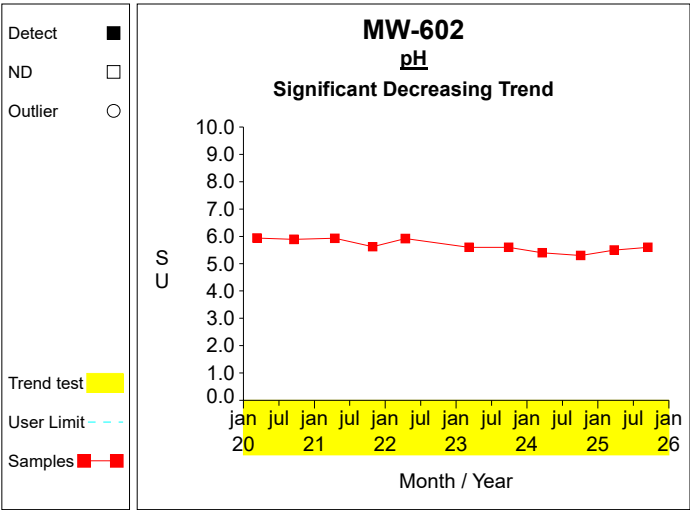
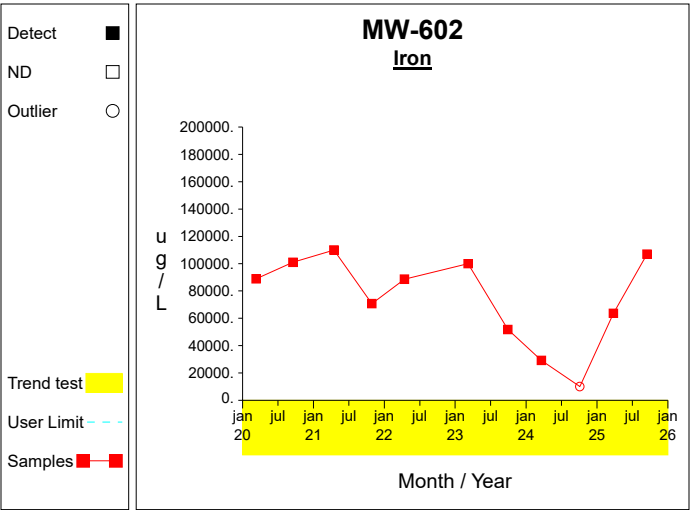
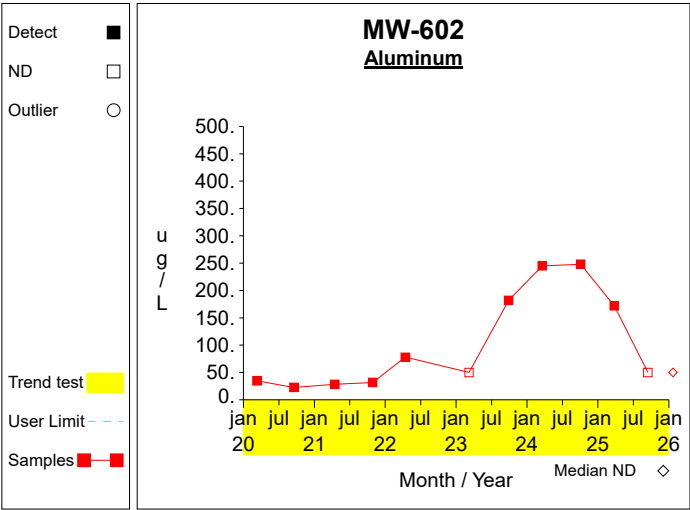
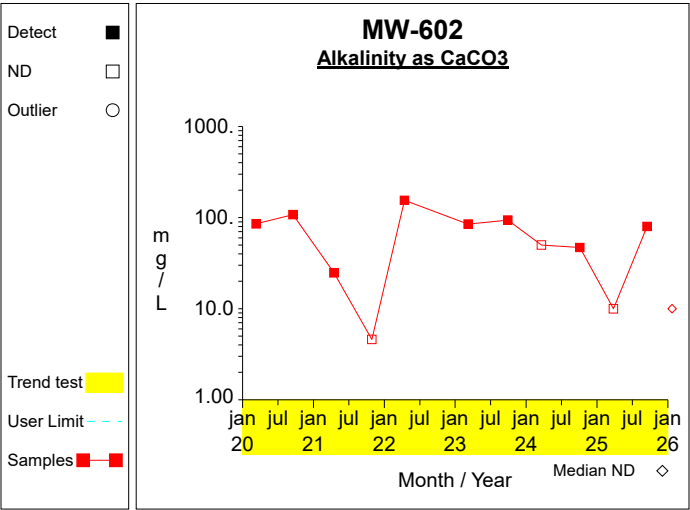


Graph 69



Graph 70

Time Series



Graph 71

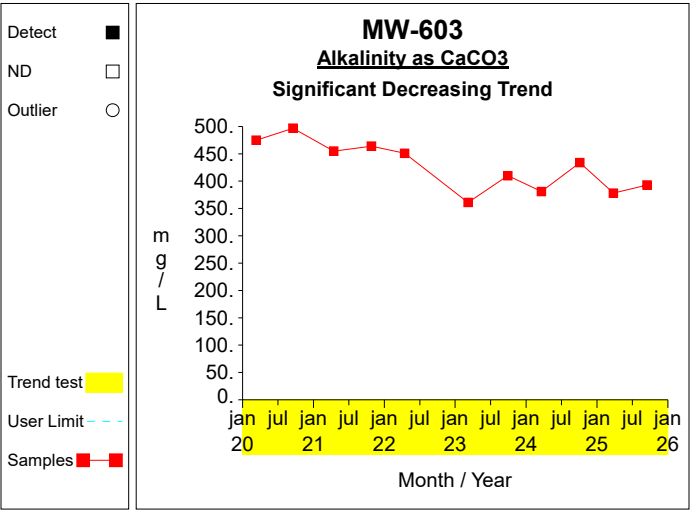
Graph 72

Graph 73

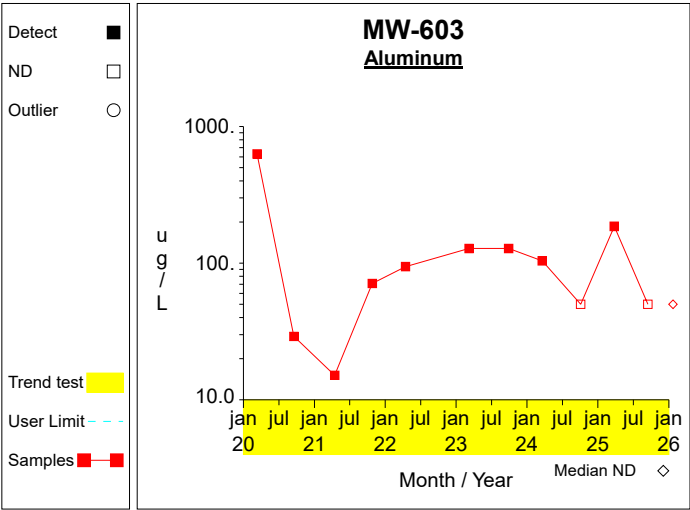
Graph 74

Graph 75

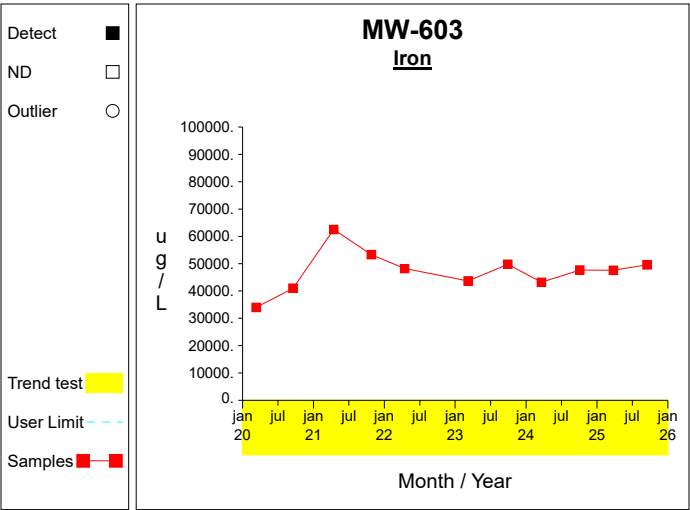
Time Series



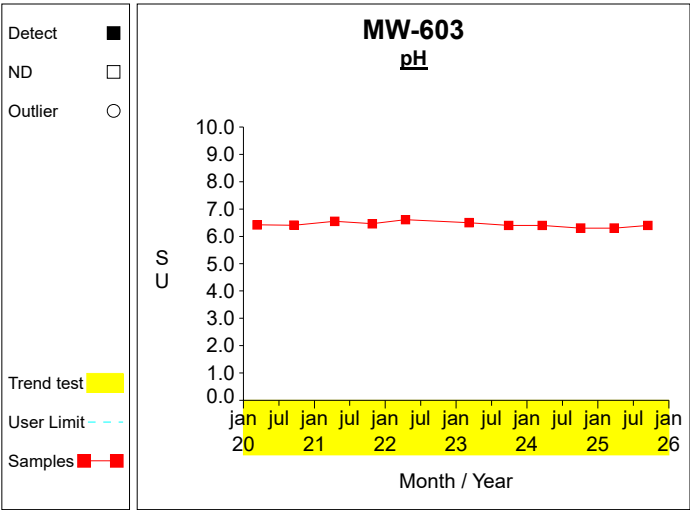
Graph 76



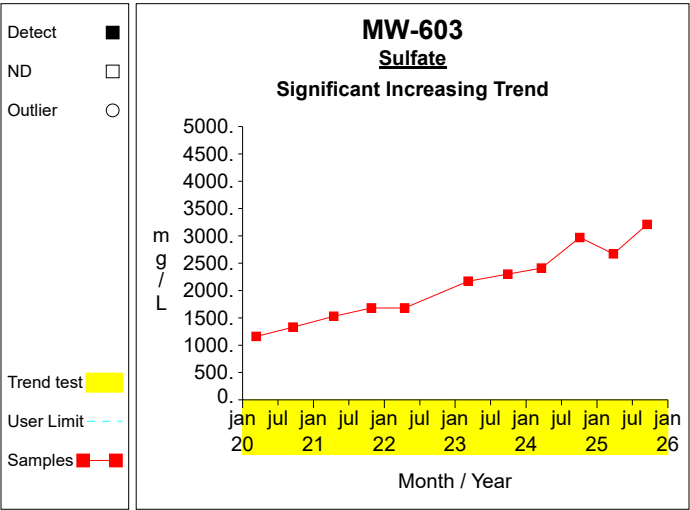
Graph 77



Graph 78

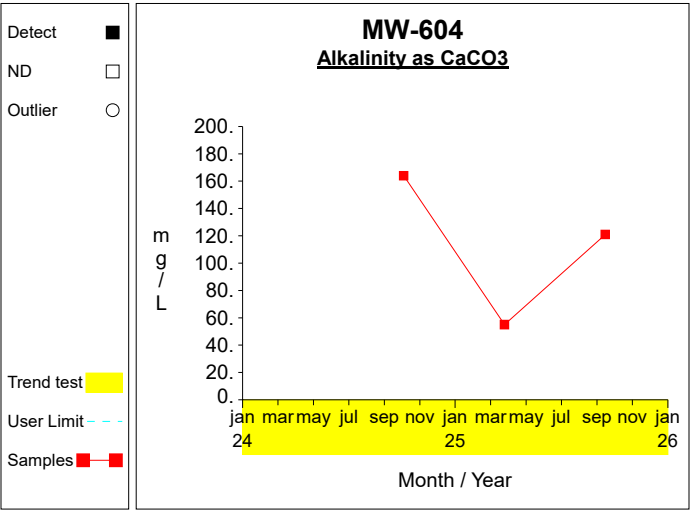


Graph 79

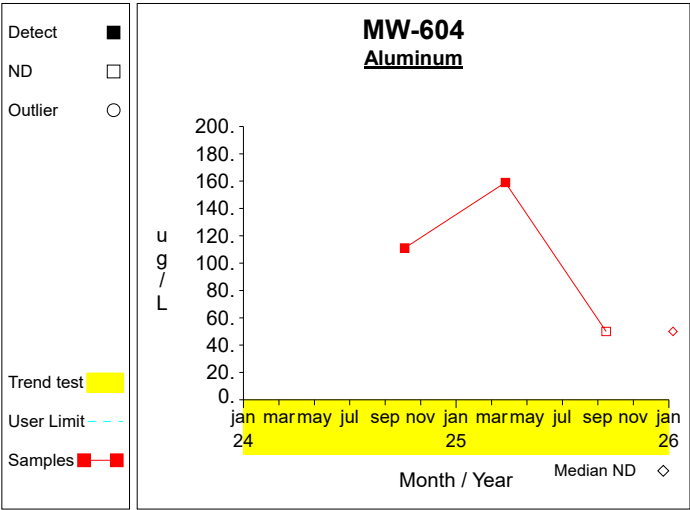


Graph 80

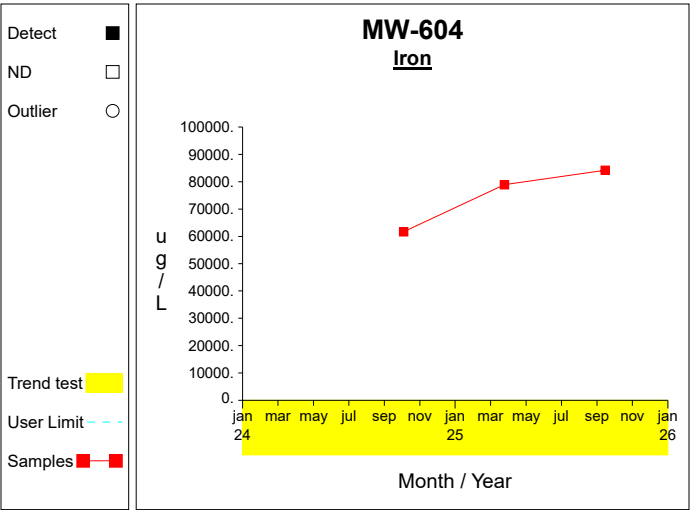
Time Series



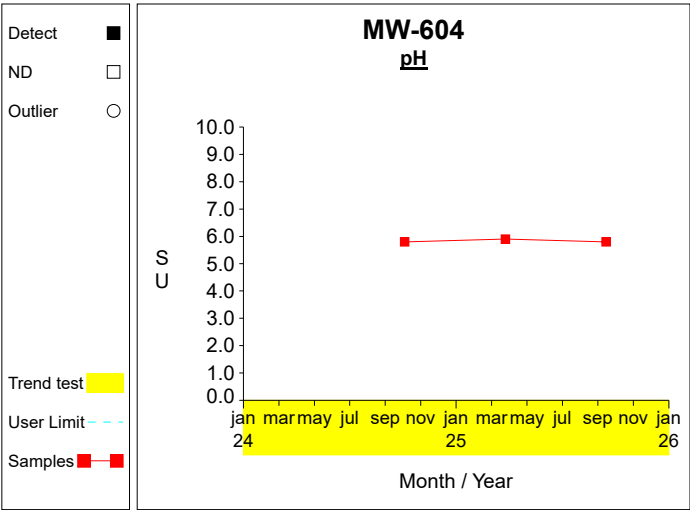
Graph 81



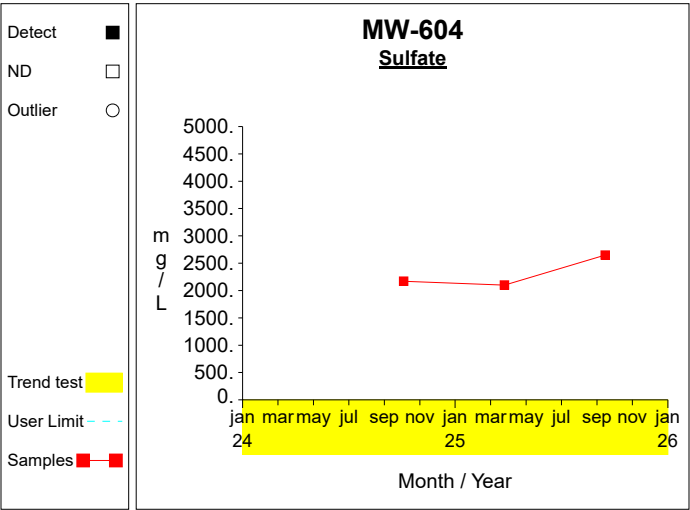
Graph 82



Graph 83

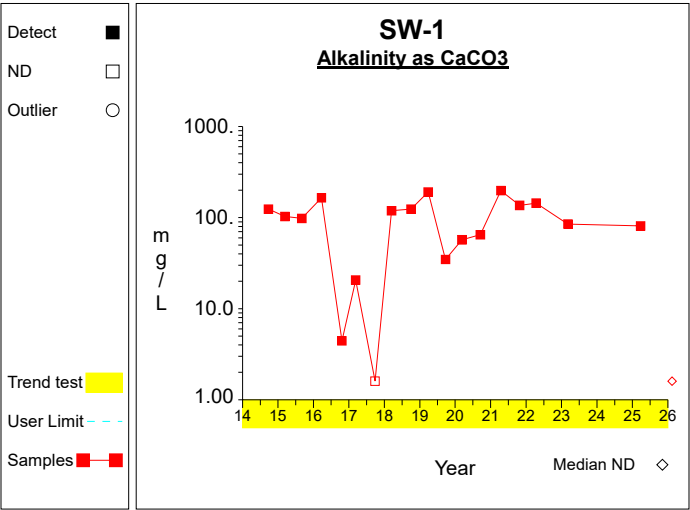


Graph 84

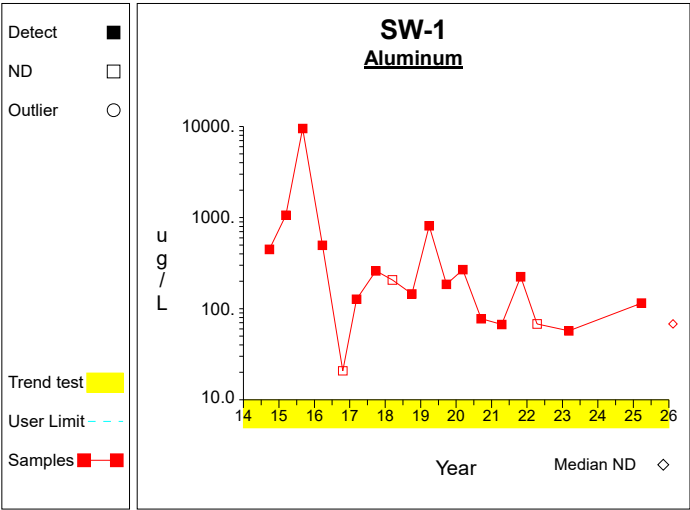


Graph 85

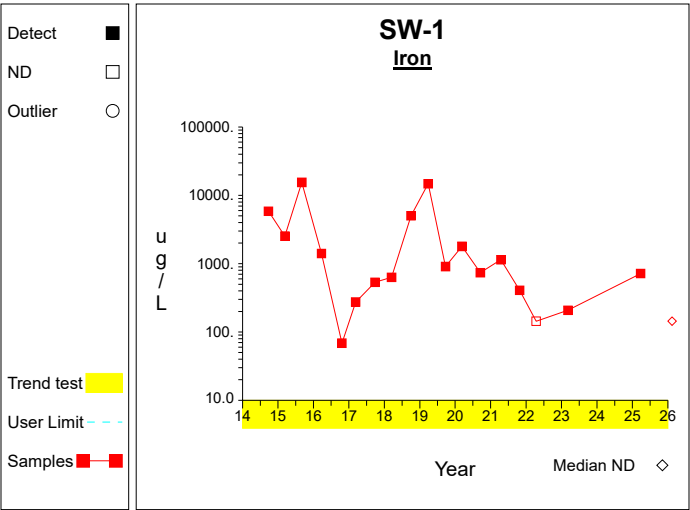
Time Series



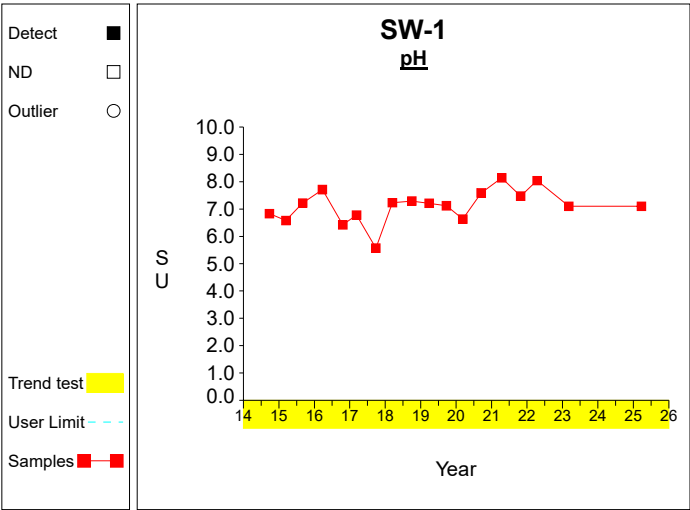
Graph 86



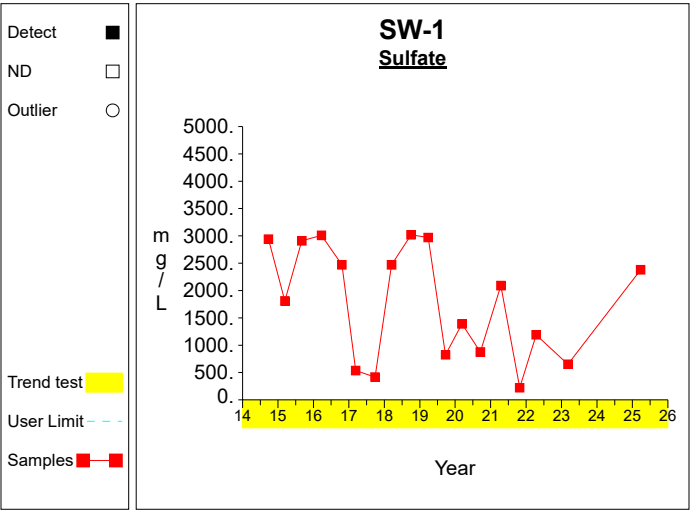
Graph 87



Graph 88



Graph 89



Graph 90

Appendix H

Assessment Testing Results Summary

Dichlorodifluoromethane (ug/L)

(green highlights = a full Appendix II sample)

Date	MW-344	MW-382R
Mar-2012	<3	3.11
Sep-2012	<3	<5
Mar-2013	NT	2.4J
Sep-2013	<3	2.73J
Apr-2014	NT	2.14J
Sep-2014	NT	2.7J
Mar-2015	NT	1.59J
Sep-2016	NT	<3
Mar-2016	NT	<1
Oct-2016	NT	1.77J
Mar-2017	NT	1.86J
Sep-2017	NT	0.898J
Mar-2018	NT	1.11J
Oct-2018	<3	0.962J
Mar-2019	NT	NT
Sep-2019	NT	NT
Mar-2020	NT	NT
Sep-2020	NT	NT
Apr-2021	NT	NT
Oct-2021	NT	NT
Apr-2022	NT	NT
9/1/2022	NT	NT
3/6/2023	NT	NT
9/29/23	<1	<1
3/19/24	NT	NT
10/3/24	NT	NT
3/25/25	NT	NT
9/15/25	NT	NT

Bis(2-ethylhexyl)phthalate (ug/L)

(green highlights = a full Appendix II sample)

Date	MW-344	MW-382R
Mar-2012	<10	<10
Sep-2012	<10	<10
Mar-2013	NT	NT
Sep-2013	<10	<10
Apr-2014	NT	NT
Sep-2014	NT	NT
Mar-2015	NT	NT
Sep-2016	NT	NT
Mar-2016	NT	NT
Oct-2016	NT	NT
Mar-2017	NT	NT
Sep-2017	NT	NT
Mar-2018	NT	NT
Oct-2018	<6	<6
Mar-2019	NT	NT
Sep-2019	NT	NT
Mar-2020	NT	NT
Sep-2020	NT	NT
Apr-2021	NT	NT
Oct-2021	NT	NT
Apr-2022	NT	NT
9/1/2022	NT	NT
3/6/2023	NT	NT
9/29/23	<6	16.0
3/19/24	NT	<6
10/3/24	NT	<6
3/25/25	NT	NT
9/15/25	NT	NT

Tin (mg/L)

(green highlights = a full Appendix II sample)

Date	MW-344	MW-382R
Mar-2012	<0.1	<0.1
Sep-2012	<0.1	<0.1
Mar-2013	NT	NT
Sep-2013	0.605	0.606
Apr-2014	<0.1	<0.1
Sep-2014	0.0935J	0.153
Mar-2015	0.0815	0.0377
Sep-2016	<0.2	<0.1
Mar-2016	<0.000255	<0.00255
Oct-2016	<0.000832	<0.00832
Mar-2017	NT	<0.00162
Sep-2017	<0.00162	<0.00162
Mar-2018	<0.00648	0.015J
Oct-2018	<0.00130	<0.00130
Mar-2019	<0.00180	NT
Sep-2019	NT	NT
Mar-2020	NT	NT
Sep-2020	NT	NT
Apr-2021	NT	NT
Oct-2021	NT	NT
Apr-2022	NT	NT
9/1/2022	NT	NT
3/6/2023	NT	NT
9/29/23	<0.020	<0.020
3/19/24	NT	NT
10/3/24	NT	NT
3/25/25	NT	NT
9/15/25	NT	NT

Appendix I

Leachate Collection System Performance Evaluation Report

Appendix I.1 - Leachate Recirculation Volumes

SCISWA LANDFILL LEACHATE VOLUMES 2025

Leachate Recirculation Log - with Tanker

[illegible]

0

gallons

Leachate Off Site -Loads

Date	DMWW Ticket #	Net Lbs	Ticket # ?	Gallons
None				

0

Maintenance and changes to leachate equipment in CY 2025:
No changes to leachate pond and recirculation pump

No changes to leachate pond and recirculation pump

Total gallons recirculated in 2025:

1,322,215

LEACHATE PUMPED FROM 4A AND NW1 PUMPS TO POND CY 2025

PUMP	START READING	FINISH READING	TOTAL GALLONS	
4A	48,247,738	49,982,968	1,735,230	
NW1	1,617,351	2,383,411	766,060	
COMBINED			2,501,290	GALLONS

(NOT RECIRCULATED)

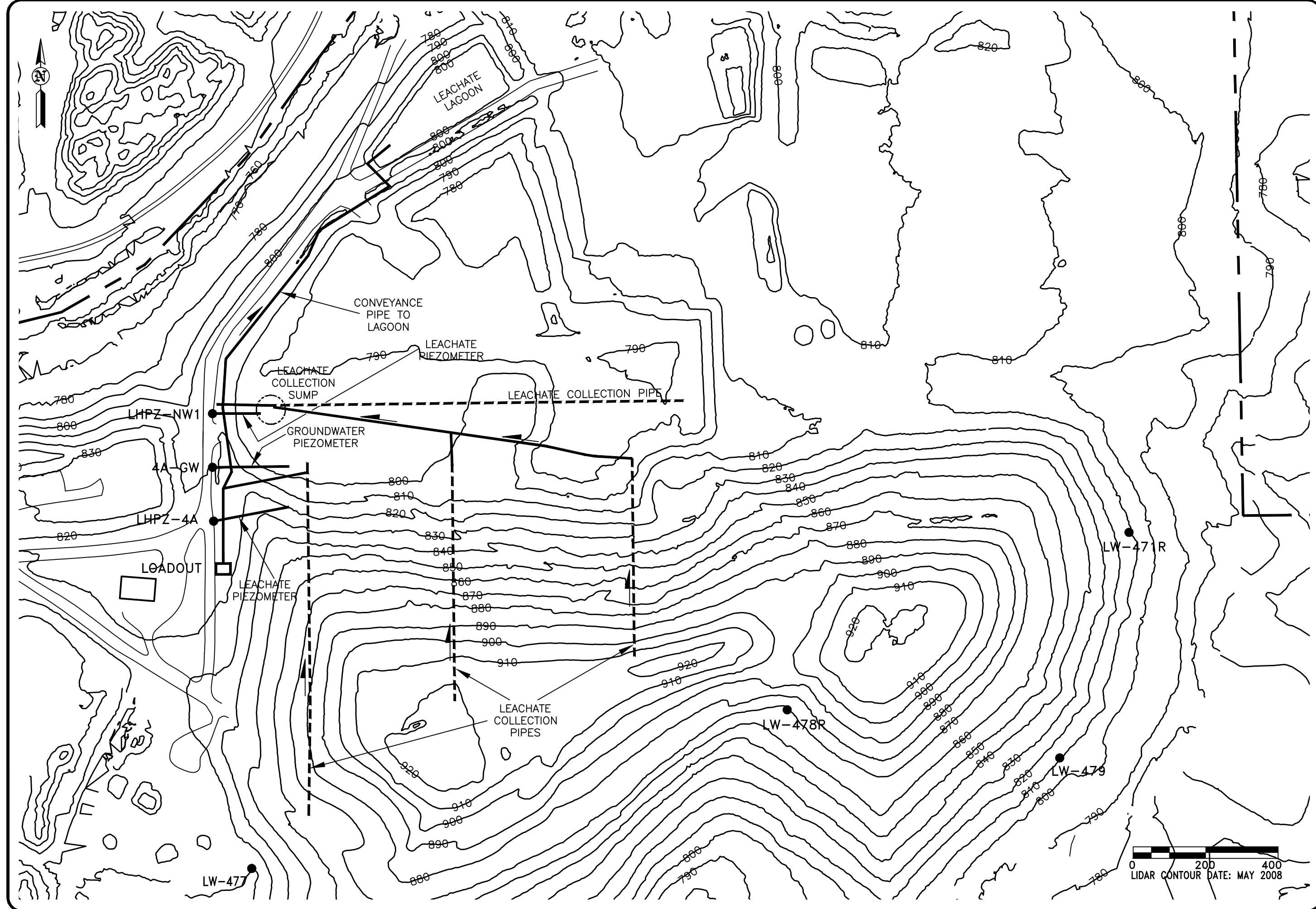
Leachate Recirculation Log -with Pond pump (metered)

[illegible]

2025 Leachate gallons recirculated with pump (TO 4A-F)	1,322,215

1,322,215

Appendix I.2 - Leachate Collection, Conveyance, Storage, and Monitoring Map





HLW Engineering Group
204 West Broad Street, P.O. Box 314
Story City, Iowa 50248
Phone: (515) 733-4144
FAX: (515) 733-4146

**LEACHATE COLLECTION, CONVEYANCE,
STORAGE AND MONITORING MAP**
SOUTH CENTRAL IOWA SOLID WASTE AGENCY SLF
TRACY, IOWA

FIGURE: 1

REVISION	NO.	DATE
DRAWN	6009	DATE
DRA		1-4-26